Science for Sight

Programme book

XXth EVER CONGRESS

EVER 2017 NICE

EVER
European Association for Vision and Eye Research

SEPTEMBER 27-30

www.ever.be

Final version on 24/08/2017

European Association for Vision and Eye Research
European University Professors of Ophthalmology

EVER 2018
EUPO

Course on Retina

October 4-6, 2018
in Nice, France

www.ever.be
www.eupo.eu

TABLE OF CONTENTS

Allergan

eyecare beyond now

Sight is our most precious sense, in fact, more than 80% of what we know is based on what we've seen.[1] Any loss of sight has the power to devastate every aspect of a person's life – until they develop new coping skills and strategies to deal with their family, work and social lives.

At Allergan, we don't want anyone's life to be devastated by visual loss. That's why we support research and development to protect sight, especially where patient needs are high and unmet.

We're impatient for the day that everyone's vision lasts a lifetime

1. Gosewade NB *et al.* J Clin Diagn Res 2013; 7(9): 1870-3.

Date of preparation: September 2017 FR/0428/2017

Word from the President

Dear EVER members, colleagues and friends,

I am honored and privileged to be President for EVER 2017. EVER flourishes because of you, EVER members and delegates. I am pleased to be able to serve and lead EVER, harnessing the energy and will of its members.

EVER remains the European meeting for scientific and clinical-scientific dialogue across our ophthalmic repertoire. It combines this with an increasing educational program and through links with other societies where EVER has an ever increasing presence.

Together with EVER support and mentorship through Woman for EVER program, young ophthalmic scientist programs makes EVER a vibrant community with much promise for the future. 2017 will continue in the EVER tradition, a culture for dissemination of great science, bringing highlights of top speakers and maintaining the social ambiance and fun afforded through the hospitality and ambiance of Nice.

Andrew DICK
President EVER 2017

ABOUT EVER

The European Association for Vision and Eye Research, EVER, is a non-profit organisation. The aims of the association are to encourage research and the dissemination of knowledge concerning the eye and vision by means of meetings, publications and exchange of information.
EVER is the leading ophthalmological research association in Europe which covers all areas of ophthalmology and the visual sciences. It provides an umbrella for other ophthalmological societies to meet during its annual congress and is an excellent place for networking.

Membership

EVER currently has members from 50 countries all over the world and represented by 11 scientific sections. Membership is open to individuals of any nationality, engaging in or with an interest in ophthalmic and vision research. Applications for membership - available on www.ever.be - may be submitted at any time, membership is on calendar year basis and starts on January 1. Every member must select one of the 11 scientific sections that best represents his or her primary area of interest.

The benefits of EVER membership are:

- significantly reduced registration fees for annual meeting
- submission of abstracts at annual meeting
- organizing Special Interest Symposia (SIS) and Courses
- free electronic subscription to the EVER journal, Acta Ophthalmologica (IF 3.157)
- voting rights for the election of the Board Members
- travel supports and poster prizes
- quarterly E-Newsletter

Elections 2017

Cast your vote for the elections of

- Secretary General
- Chair of section COS
- Chair of section Glaucoma

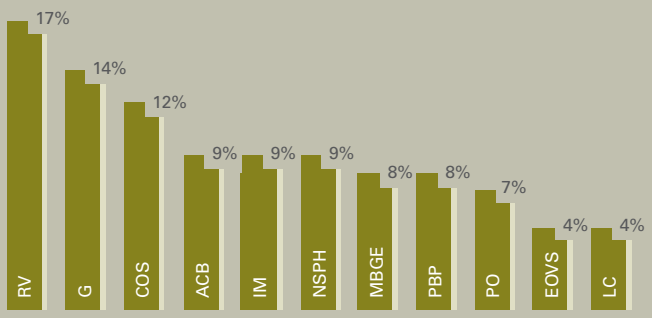
They will be elected by online voting.
Voting will close on Thursday, September 28, midnight . The result of the elections will be announced at the General Assembly on Friday, September 29, 12:30 -13:30.

Website: www.ever.be

On this website, you can

- obtain up-to-date information about the scientific programme and the EVER 2017 meeting and view the status (session, hour, place) of your presentation
- pay on-line and print your invoice
- access general information about EVER
- access Acta Ophthalmologica, the EVER journal
- cast your vote for officers
- print CME certificate after each congress you attended

Speakers' affiliation to scientific sections



RV	Retina / Vitreous
G	Glaucoma
COS	Cornea / Ocular Surface
ACB	Anatomy / Cell Biology
IM	Immunology / Microbiology
NSPH	Neuro-ophthalmology / Strabismology / Paediatric / History
MBGE	Molecular Biology / Genetics / Epidemiology
PBP	Physiology / Biochemistry / Pharmacology
PO	Pathology / Oncology
EOVS	Electrophysiology, physiological Optics, Vision Sciences
LC	Lens / Cataract

EVER - European Association for Vision and Eye Research

www.ever.be

EVER is the leading ophthalmological research association in Europe which covers all areas of ophthalmology and the visual sciences. One of the main activities of EVER is the organizing of a high quality research meeting every year at a location chosen for its access and its agreeable autumn climate. EVER collaborates closely with other societies and encourages them to convene annually with EVER.

EVER *f* - EVER Foundation

www.ever-f.eu

In 2010, the EVER Foundation was created to raise money to organize EVER *f* Research Fellowships to offer to young ophthalmologists or young vision scientists, especially from Eastern Europe or from developing countries outside Europe, the opportunity to gain experience in laboratory techniques and scientific research in leading European Departments for Vision and Eye Research. The duration of the fellowship is limited to 6 months.

Fellowships 2016:

1. Dr. Mahajan DEEPTI, India, host institute : Vision Lab, Cardiff Centre for Vision Sciences, Cardiff University, UK
2. Dr. Narine ADZHEMIAN, Russia - host institute : Medical University of Vienna, Austria

Fellowships 2015:

1. Dr. Sepehr FEIZI, Iran - host institute : Queens Medical Centre, Nottingham, UK
2. Dr. Sabina SAPETA, Poland - host institute : Medical University of Vienna, Austria

Fellowships 2014:

1. Dr. Ganne PRATYUSHA, India - host institute : Vision Lab, Cardiff Centre for Vision Sciences, Cardiff University, UK
2. Dr. Mohamed Shafik Mohamed ELALFY, Egypt - host institute : Queens Medical Centre, Nottingham, UK

Fellowships 2013:

1. Dr. Reka ALBERT, Hungary - host institute: Queens Medical Centre, Nottingham, UK
2. Dr. Minika JASIELSKA, Poland - host institute: Department of Experimental Ophthalmology at the Charite University Medicine in Berlin, Germany

Acta Ophthalmologica — EVER's journal

eu.wiley.com

Acta Ophthalmologica is the official scientific publication of the European Association for Vision and Eye Research (EVER) and of the five Nordic ophthalmological societies. Acta Ophthalmologica publishes clinical and experimental original articles, reviews, editorials, educational photo essays (Diagnosis and Therapy in Ophthalmology), case reports and case series, letters to the editor and doctoral theses. (IF 3.157)

COMPOSITION OF THE BOARD, 2017

Executive committee

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President

Catherine CREUZOT
Secretary General

Steffen HEEGAARD
Treasurer

Aki KAWASAKI
Past President

Francesca CORDEIRO
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Executive Officer

Lies VAN EYCKEN
Executive Assistant

Mieke AKKERS
Executive Assistant

Kapucijnenvoer 33, 3000 Leuven, Belgium - ever@ever.be

meco di www.mecodi.eu

Website and onsite support

COVR - IT solutions for scientific and medical associations

COVR
www.covr.be

Section chairs

Kai KAARNIRANTA
Anatomy / Cell Biology

Thomas FUCHSLUGER
Cornea / Ocular Surface

Miguel CASTELO-BRANCO
Electrophysiology, physiological Optics, Vision Sciences

Alain BRON
Glaucoma

Piergiorgio NERI
Immunology / Microbiology

Rafael BARRAQUER
Lens / Cataract

Jochen GRAW
Molecular Biology / Genetics / Epidemiology

Dominique BREMOND-GIGNAC
Neuro-ophthalmology / Strabismology / Paediatric / History

Frédéric MOURIAUX
Pathology / Oncology

Manuel Vidal Sanz
Physiology / Biochemistry /

Peter WIEDEMANN
Retina / Vitreous
Pharmacology

EVER representatives in Acta Board

Aki KAWASAKI

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Jost JONAS

Graham HOLDER

Einar STEFANSSON

Representatives

Bozena ROMANOWSKA-DIXON
Representative East Europe

Stephanie BAILLIF
Local representative France

Venue

EVER 2017 will be held at the Acropolis Convention Center in Nice, France
⇨ **www.nice-acropolis.com**

The scientific programme of the EVER congress starts on Wednesday, September 27 at 11:30 and concludes on Saturday, September 30 at 14:30.

Registration

Everyone attending the scientific sessions - whether or not an EVER member - must register and pay the registration fee. Onsite registration starts on Wednesday, September 27 at 9:00.
Please note that:

- being or becoming an EVER member – or having an abstract accepted – does not imply that you are registered
- if you register as a member-in-training, you need to prove your traineeship with a document signed by the Head of your Department
- if you register as an Eye-care, Technician or Nurse, you need to prove your status

Registration fees on-site

	EUR
Member / Course invited speakers	546
Member-in-training	275
Non-member	960
Non-member-in-training	440
Eye-Care / Technician / Nurse	220

EVER 20th Anniversary

- Friday, 18:15 - 18:45 Chibret lecture in room Hermes
- Friday 19:00 - 22:00 Walking dinner in the Exhibition area, Acropolis Convention Center

The EVER 20th Anniversary walking dinner is open for all participants and exhibitors.

Coffee / tea / refreshments

Included in the registration fee are the coffee / tea and soft drinks offered throughout the whole meeting.
In addition coffee & croissants will be served early morning.

Internet access

Wi-Fi internet access is available in the Convention Center. Wifi login code: ever2017

Photographs

It is strictly forbidden to take photographs or videos of the presentations in all lecture halls.
Please respect this rule.

No-shows

Please note that any first author, whose paper or poster has been accepted, will be prohibited from presenting papers at EVER for the next two years if a valid reason is not sent to the EVER office in writing.

CME credits

Continued Medical Education credits

An application has been made to the UEMS EACCME® for CME accreditation of the EVER 2017 congress.

Liability

The organisers cannot accept liability for personal accidents, loss of or damage to private property of participants and accompanying persons either during, or directly arising from the Meeting. Participants must make their own arrangements with respect to health and travel insurance.

All congress information in a nutshell:

Information about EVER - Browse sessions by day, type, section, ... - Visit the exhibitors and sponsors - My congress bag: create your personal agenda - Receive the latest news - Make notes - Rate sessions - etc.

Publication of the abstracts

The abstracts of the EVER 2017 congress are published on-line in a special issue of Acta Ophthalmologica, the EVER journal. Access for members-only through EVER homepage.

Section Business Meetings

Friday, September 29 from 15:45 to 16:15

EVER Section Business Meetings of the scientific sections

- ACB ..... Gallieni 4
- COS ..... Rhodes 2
- EOVS ..... Rhodes 1
- G ..... Rhodes 1
- IM ..... Gallieni 1 & 2
- LC ..... Hermes
- MBGE ..... Gallieni 1 & 2
- NSHP ..... Rhodes 2
- PO ..... Rhodes 3
- PBP ..... Rhodes 3
- RV ..... Hermes

The sections
- LC
- RV

will nominate at least 2 candidates for the succession of their representatives in the Board of EVER for elections in 2018.
Agenda see page 95

EVER General Assembly

Friday, 12:30 - 13:30 in room Hermes
Agenda see page 83

Prize award ceremony and Closing remarks

Saturday, 12:00 - 13:00 in room Hermes
Agenda see page 115

Women 4 EVER

Friday, September 29 from 11:00 to 12:30 in Gallieni 5

Women 4 EVER wishes to assist women in developing tools for career advancement and to foster gender equality in ophthalmology and visual science. We encourage mentorship, collaboration, and communication. In this informal and open session, we invite all interested members of EVER to come and meet colleagues, share experiences and ask for advice. It is also a venue where ideas about gender-based studies in ophthalmology may be developed. *See page 82.*

Coffee with Profs

Thursday, September 28 from 16:00 to 17:00 in poster area

In an initiative to encourage dialogue amongst speakers and EVER members, we have organised a session called "Coffee with Profs". This will be a table of 6-8 "guests" at a table headed by one of the EVER speakers: Alfredo Sadun, Michael Belkin, a.o. The idea is to provide a casual yet personal venue where colleagues, in particular the younger faction, can share comments and ideas with an expert.
See page 66.
Please sign in at the registration desk.

YOS for EVER

Young Ophthalmologist/Scientist

Thursday, September 28 from 17:00 to 18:30 in Gallieni 4

YOS is a well-recognized acronym for "young ophthalmologist" and as not only ophthalmologists attend EVER, YOS stands for "young ophthalmologist/scientist". YOS for EVER represents the trainee and young specialist group within EVER. This is a networking assembly of students, residents, post-docs and junior scientists to focus on objectives and goals relevant to the early stages of career development. Such topics include board examinations, information exchange, research and/or educational programs, fellowship and job opportunities. The 2017 inaugural symposium will be organized by Gauti Jóhannesson, a young ophthalmologist/scientist and member of the organization committee for YOS sessions at the Nordic Ophthalmologic Congress. All interested parties are encouraged to attend as guidelines and objectives and representatives for this new subgroup will be discussed at this first meeting. Immediately following the symposium, there will be a reception with light food and beverages on site. *See page 70.*

TRAVEL SUPPORT

EVER section Travel Support

We are pleased to announce that the following 14 members have received an EVER section Travel Support of 500 EUR each:

- ACB - RANTA-AHO Sofia - Finland
  T004 - Effects of HSP90 inhibitor TAS-116 on the inflammasome activation in ARPE-19 cells
- COS - SMEDOWSKI Adrian - Poland
  S026 - Confocal characterization of recurrent corneal erosion syndrome suspects
- COS - JEPPESEN Helene - Denmark
  1543 - Ocular Chronic Graft-Versus-Host Disease after allogeneic Haematopoietic Stem Cell Transplantation in Denmark (1971-2011): - Incidence and Risk Factors in Adults
- EOVS - MAHAJAN Deepti - India
  T061 - Can the retina be used to diagnose and plot the progression of Alzheimer's disease?
- G - ABBASI Mojdeh - Australia
  4122 - Effects of Caveolin-1 ablation in the inner retina under healthy and experimental glaucoma conditions
- G - LIM Suho - South-Korea
  S040 - Comparative study of retinal nerve fiber layer and ganglion cell complex thickness between Korean patients with unilateral exfoliation syndrome and normal control
- IM - HERETH Esther - France
  3181 - Ocular inflammatory diseases in ebola survivors
- LC - CHAMMAS Jimmy - France
  S078 - Robotic surgery - a new way to perform cataract surgery
- MBGE - VELISSARIS Stavros - United Kingdom
  2684 - Characteristics, socioeconomic status and ethnic variations of primary idiopathic macular hole repair in vitreoretinal centers in the United Kingdom
- NSPH - ROUX Lauriane - France
  2673 - In vitro modeling of aniridia-related PAX6 haploinsufficiency by the use of CRISPR/Cas9 on limbal epithelial cells
- PBP - SANCHEZ RAMON Ariadne - Spain
  F088 - Influence of metabolic control in patients with refractory diabetic macular edema treated with Ozurdex
- PO - CABRÉ ESTIVILL Eduard - Spain
  S083 - Protein kinase inhibitors for targeting tumor-initiating cells in uveal melanoma
- RV - CHOTARD Geraldine - France
  F052 - Ocular manifestations associated with takayasu arteritis: a multimodal imaging study
- RV - JENKINS Kevin Sean - Australia
  F039 - Ophthalmoscopic and video OCT methods to detect spontaneous venous pulsation in individuals with apparently normal intracranial pressure: the rebirth of the SVP?

The Travel Support certificates will be handed over during the Prize Award Ceremony on Saturday, 12:00 - 13:00 in room Hermes.

EVER Poster Prizes

Poster Prizes will be awarded for the best posters across all sections.

The winners will be chosen by the poster moderators and will be announced in the Prize Award Ceremony on Saturday, 12:00 - 13:00 in room Hermes. No prize will be given after the congress.
The winners will be waived registration to the EVER congress 2018.

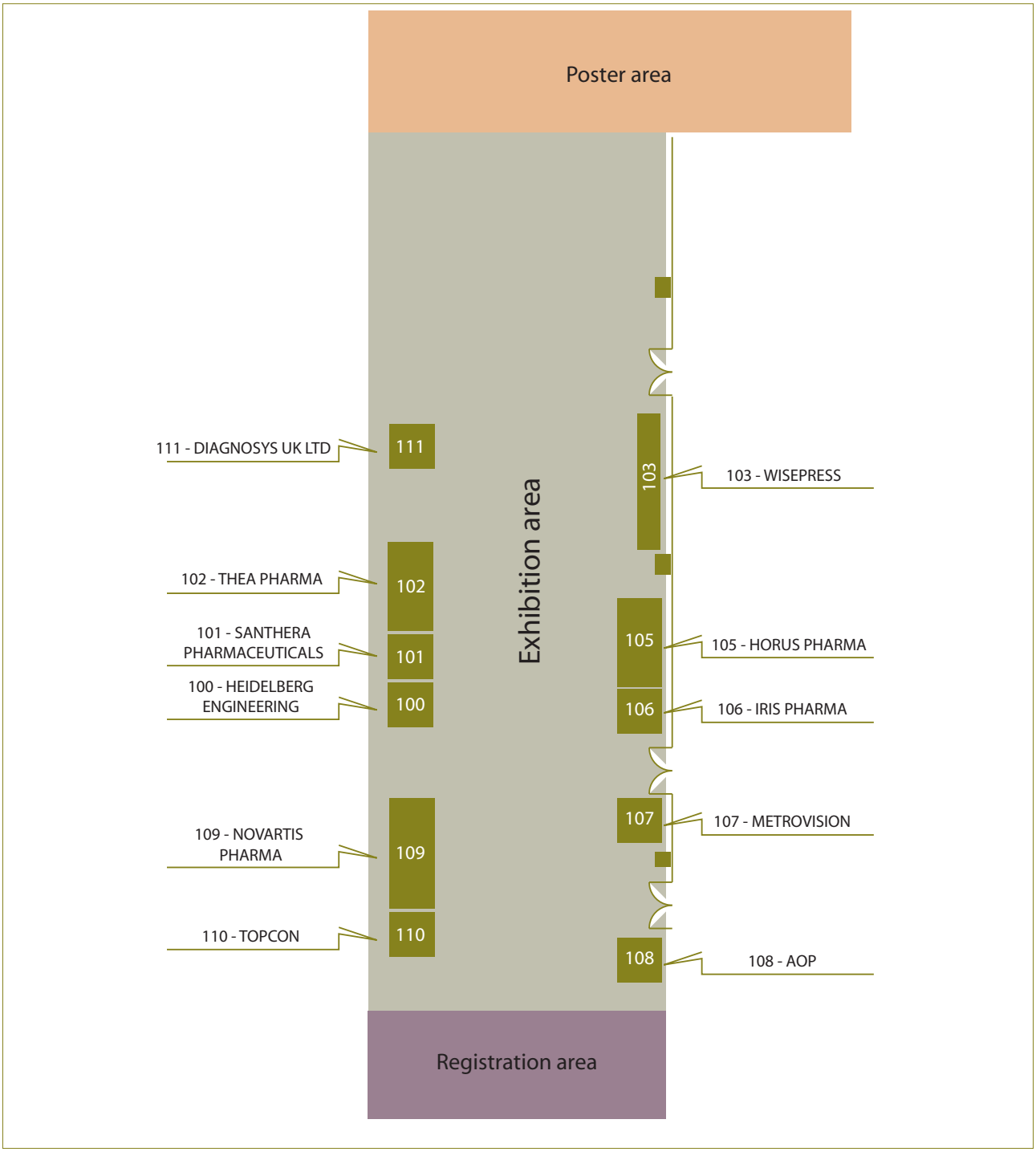
Best paper for presentation

Certificate to be given at each free paper session of ‘best paper’ without money.

FLOORPLAN ACROPOLIS CONVENTION CENTER, 2nd FLOOR

Floorplan

Exhibitors



108 - AOP	106 - Iris Pharma	102 - Thea Pharma
111 - Diagnosys UK Ltd	107 - Metrovision	110 - Topcon
100 - Heidelberg Engineering	109 - Novartis Pharma	103 - Wisepress
105 - Horus Pharma	101 - Santhera Pharmaceuticals	

PARTNERS

ARVO - Association for Research in Vision and Ophthalmology

www.arvo.org

In many senses the counterpart of EVER in North America, the purposes of ARVO are to encourage and assist research, training, publication, and dissemination of knowledge in vision and ophthalmology. Since 2005, EVER and ARVO are collaborating in many fields, including an ARVO symposium held every year during EVER and an EVER symposium scheduled during ARVO.

See page 75

EUPO - European University Professors of Ophthalmology

www.eupo.eu

EUPO is the organizer of the annual structured subspecialty course for residents in training in Europe since 1988. Most of the ophthalmology curriculum is covered over a 4 year period to allow residents to get an overview of theoretical knowledge during their residency rotation. EUPO courses are held in different places in Europe. The EUPO 2018 course on Retina is organised in conjunction with the EVER congress in Nice, France.

EBO - European Board of Ophthalmology

ebo-online.org

The European Board was founded in 1992 to guarantee the highest standards of care in ophthalmology in the countries of the European Union by ensuring that the training is raised to the best possible level. It makes recommendations regarding the standards and syllabus for training ophthalmologists, assesses the content and quality of training by site visits and the annual EBO Diploma Examination, facilitates the exchange of trainees and teachers, and promotes CME in ophthalmology. EBO works under the Section of Ophthalmology of the European Union of Medical Specialists (UEMS). Since 2007, EBO has organized review courses open to all delegates during the EVER congress.

See pages 25, 30

FAN - European Fluorescein Angiography Club

www.fan-int.org

The FAN Club started as a friendly reunion of pioneers of Medical Retina, in the early days of fluorescein angiography and lasercoagulation of the retina. The FAN received a semi-official status, being invited to organize a session of Medical Retina Case Presentations during large meetings in Ophthalmology. The Club runs itself without official status, there is no membership fee, and no registration fee for the meetings. Upcoming meetings are decided within the group, trying to change the location from country to country, and offering all members the opportunity to organize at least once a full day reunion in their hospital. Since 2012, FAN has organised joint meetings open to all delegates during the EVER congress.

See page 96

FRO - Belgian Fund for Research in Ophthalmology

www.fro-online.org

The aim of the FRO association is to stimulate research in ophthalmology and in visual function by awarding grants to research projects carried out under order of Belgian institutions. The FRO candidates have presented their research work to an international jury during the EVER congress since 2002.

See pages 106, 119

OOG - The Ophthalmic Oncology Group

www.oog.eu

OOG is an independent scientific workgroup devoted to basic and clinical ophthalmic oncology. It has convened with EVER since 1998. The aims of the OOG are to improve the practice of ophthalmic oncology in Europe, develop internet-based databases to share scientific information, organise multicenter studies and quality control studies, and meetings and other activities with the aim of improving the treatment of eye tumours and knowledge about them. OOG encourages all EVER delegates to take part in its sessions.

See pages 97, 105, 117

GOA - Groupe Ophtalmo Allergo

In ocular surface pathologies the cooperation between clinical ophthalmology and allergology created the GOA. The GOA allowed the development of clinical research in ocular allergic disease. Vernal keratoconjunctivitis and atopic keratoconjunctivitis create severe ocular inpairment that must be recognized and treated.

See page 81

Optic Nerve Meeting

www.optic-nerve-online.com

Intended for basic scientists and clinicians to address important topics in translational research, including scientists in interdisciplinary areas such as neurology, neurodegenerations and autoimmunity. Next Optic Nerve Meeting:
Obergurgl, Austria, December 12-14, 2017

See page 84

ABOUT THE PROGRAMME BOOK

Sessions

BM	Business Meeting	JM	Joint Meeting
C	Course	KN	Keynote lecture
CIS	Industry Sponsored Symposium	SIS	Special Interest Symposium
FP	Free Paper session	SOC	Social
GA	General Assembly	POS	Poster session
		PS	Plenary session

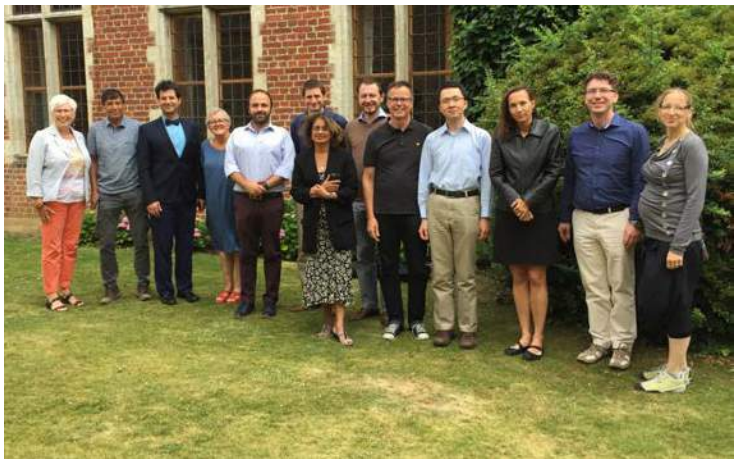
Symbols

	=	EVER section travel support recipient
rf	=	Rapid fire presentation
✶	=	Conflict of interest disclosed

Scientific sections

ACB	=	Anatomy / Cell Biology
COS	=	Cornea / Ocular Surface
EOVS	=	Electrophysiology, Physiological Optics, Vision Sciences
G	=	Glaucoma
IM	=	Immunology / Microbiology
LC	=	Lens and Cataract
MBGE	=	Molecular Biology / Genetics / Epidemiology
NSPH	=	Neuro-ophthalmology/Strabismology / Paediatric Ophthalmology / History of Ophthalmology
PBP	=	Physiology / Biochemistry / Pharmacology
PO	=	Pathology / Oncology
RV	=	Retina / Vitreous Section programme secretaries

Programme Secretary, Francesca M CORDEIRO



EVER programme committee meeting in Leuven on June 24

2017 Section programme secretaries

ACB	Anatomy/Cell Biology	Goran PETROVSKI
COS	Cornea/Ocular Surface	Thomas FUCHSLUGER
EOVS	Electrophysiology, Physiological Optics, Vision Sciences	Franziska RAUSCHER
G	Glaucoma	Eduardo NORMANDO
IM	Immunology/Microbiology	Joachim VAN CALSTER
LC	Lens and Cataract	Stefan LÖFGREN
MBGE	Molecular Biology/Genetics/Epidemiology	Petra LISKOVA
NSPH	Neuro-ophthalmology/Strabismus/Paediatric Ophthalmology/ History of Ophthalmology	Patrick YU-WAI-MAN
PBP	Physiology/Biochemistry/Pharmacology	Neville OSBORNE
PO	Pathology/Oncology	Alexandre MOULIN
RV	Retina/Vitreous	Anita LEYS

C

Courses throughout the EVER 2017 congress:

B Beginner
I Intermediate
A Advanced

Wednesday, September 27

IM	11:30	Rhodes 2	I	EBO course: Intraocular inflammation and infection (part I) 25	EBO
ACB	11:30	Rhodes 4	I	Why and how to perform proteomics? 26	
EOVS	11:30	Gallieni 4	A	Basic principles of state-of-the-art ophthalmic instrumentation 27	
IM	14:00	Rhodes 2	I	EBO course: Intraocular inflammation and infection (part II) 29	EBO
LC/RV/COS	14:00	Rhodes 3	I	Flat-mount techniques of eye tissues 30	
G	16:50	Rhodes 1	B I	Glaucoma Hot Topics Course in association with EVICR.net 34	
ACB	16:50	Gallieni 4	I	Imaging in retinal disease models and differential diagnosis 37	

Thursday, September 28

PO	08:30	Rhodes 4	I	Ophthalmic pathology: new and old insights 46	
PO	14:30	Rhodes 4	A	Tumors and pseudo-tumors of the iris : diagnosis and management ... 57	
COS	17:00	Rhodes 4	I	An update on corneal infectious diseases 69	
G	17:00	Gallieni 4	B	YOS - The ABC of fellowship opportunities - what to expect, where to go and how to pay for it? 70	

Friday, September 29

EOVS/MBGE	08:30	Rhodes 4	I	Structure and function in retinal disease; the role of iscev standard electrophysiology 76	
PBP	16:20	Gallieni 1+2	B	Noninvasive morphological and functional imaging in the eye 98	

Saturday, September 30

RV	14:00	Hermes	A	OCT-angiography for the evaluation and management of macular pathologies 106	

EVER 2017
WEDNESDAY
SEPT 27

FP

11:30 - 13:00 | HERMES

RV - Anti-VEGF, surgery, toxic maculopathy

SOUIED E , POURNARAS C

1111	✶	11:30	Ranibizumab in patients with neovascular age-related macular degeneration: results from the real-world LUMINOUS™ study *SOUIED E , Clemens A , Macfadden W - Creteil*
1112		11:42	Aflibercept in neovascular age related macular degeneration previously refractory to standard intravitreal therapy: An Irish perspective to compare against international trends *MCCLOSKEY C , Mongan AM , Chetty S , McAteer D , Quinn S - Sligo*
1113		11:54	Internal limiting membrane peeling in retinal detachment complicated by grade B proliferative vitreoretinopathy *FOVEAU P , Leroy B , Ameloot F , Berrod JP - Vandoeuvre-les-Nancy*
1114	*rf*	12:06	Photostimulation with subthreshold yellow micropulsed laser for chronic residual subfoveal rhegmatogenous retinal detachment after surgery *ESPOSTI G , Esposti PL , Fruschelli M , Hadjistilianou T - Siena*
1115	*rf*	12:12	Evaluation of efficacy and safety of dexamethasone intravitreal implants between vitrectomized and non-vitrectomized eyes in a real-life study *REZKALLAH A , Malcles A , Dot C , Voirin N , Agard E , Vie A L , Denis P , Kodjikian L - Lyon*
1116	*rf*	12:18	Popper associated maculopathy – Case report and literary synthesis *MURPHY R , James M , Cullinane A - Dublin*

FP

11:30 - 13:00 | RHODES 1

G - Advances in glaucoma diagnosis

NORMANDO EM , CORDEIRO MF

1121		11:30	Automated gonioscopy photography for iridocorneal angle grading *TEIXEIRA F , Sousa D , Leal I , Marques-Neves C , Abegão-Pinto L - Lisboa*
1122		11:42	Subject specific angular waist of the optic nerve head nerve fiber layer allows follow up detection of local nerve fiber bundle loss *SODERBERG P , Malmberg F , Sandberg-Melin C - Uppsala*
1123		11:54	Advanced vascular exams improve the accuracy of conventional parameters in distinguishing normal tension from primary open angle glaucoma *BARBOSA BREDA J , Van Keer K , Abegão Pinto L , Nassiri V , Willekens K , Vandewalle E , Rocha Sousa A , Stalmans I - Leuven*
1124		12:06	Changes of anterior chamber morphometry with age in children using hand-held spectral domain optical coherence tomography *EDAWAJI B , Proudlock F , Gottlob I - Leicester*
1126	*rf*	12:24	Screening for glaucoma progression by using non-parametric tests *PANTALON A , Chiselita D , Feraru C - Iasi*
1127	*rf*	12:30	Prospective comparison of global visual field indices and cluster progression in glaucoma and their relationship to structural changes *BONO V , Normando EM , Davis B , Cordeiro MF - Avellino*
1128	*rf*	12:36	Reproducibility of angle metrics in children using hand-held spectral domain optical coherence tomography: intra-observer and inter-observer variability *EDAWAJI B , Shah S , Proudlock F , Gottlob I - Leicester*

C

11:30 - 13:00 | RHODES 2

IM - EBO course : Intraocular inflammation and infection (part I)

✶✶ Intermediate

The aim of this course is to review major topics of intraocular inflammation and infection. MCQs will be proposed during the course to evaluate the basic knowledge of the participants. The test will be associated with 6 consecutive general presentations for the understanding of different uveitis features. The course will be interactive allowing general discussion and the participation of the audience. MCQs will be discussed during each presentation. At the end of this course, participants will be prepared for the MCQ part of the EBO examination in uveitis.

BODAGHI B , HERBORT JR. CP

1131	11:30	Pathophysiology of uveitis *DICK A - Bristol*
1132	11:45	Classification of uveitis *MARKOMICHELAKIS N - Athens*
1133	12:00	Signs and symptoms of uveitis *NERI P , Calamita R , Pelliccioni P , Gorgoni F , Lassandro N , Pirani V - Agugliano*
1134	12:15	Laboratory work-up and specialized investigations *KHAIRALLAH M , Khochtali S , Jelliti B - Monastir*
1135	12:30	Imaging in uveitis: modalities and applications *HERBORT CP - Lausanne*
1136	12:45	Therapeutic management of uveitis *DICK A - Bristol*

SIS

11:30 - 13:00 | RHODES 3

PBP - Physiological imaging

Advancement of technology creates more opportunities to study both structure and physiology of the retina through imaging. This special interest symposium will discuss various aspects of physiological imaging. Blood flow measurements with three technologies will be covered: OCT, laser speckle flowgraphy and adaptive optics. The SIS will also include discussion of analysis of retinal vessel diameters and retinal vessel oximetry.

HARDARSON S , HEITMAR R

1141	11:30	Measurement of retinal blood flow using Doppler OCT in diabetic retinopathy *BEK T - Aarhus C*
1142	11:48	Retinal oximetry in central retinal vein occlusion *JEPPESEN SK , BEK T - Aarhus C*
1143	12:06	Retinal microvascular imaging with adaptive optics *KALITZEOS A - London*
1144	12:24	Static vessel parameters in health and disease *HEITMAR R - Birmingham*
1145	12:42	Assessment of retinal blood flow using Laser Speckle Flowgraphy *SCHMIDL D , Witkowska K , Luft N , Bolz M , Fondi K , Bata A , Wozniak P , Werkmeister R , Garhofer G , Schmetterer L - Vienna*

C

11:30 - 13:00 | RHODES 4

ACB - Why and how to perform proteomics?

✶✶ Intermediate

Proteomics is a powerful tool to analyze complex mechanisms in cells and tissues. It can be used for discovery of proteomic biomarkers. They can predict risk of disease, most suitable therapeutic options, complications of the diseases or therapies. Biomarkers can reflect the severity of the disease or act as end points for clinical studies. The idea of this course is give practical advice why, when and how to perform proteomic analyses and how to select the most suitable technology for experimental or clinical studies.

UUSITALO H , BEUERMAN R

1151	✶	11:30	Using biomarkers in clinical trials in ophthalmology *BEUERMAN R - Singapore*
1152		11:52	Executing clinical proteomic studies using mass spectrometry *JYLHA A - Tampere*
1153		12:14	Bioinformatic analysis of experimental and clinical proteomic data *NATTINEN J - Tampere*
1154		12:36	Practical examples of proteomic studies *UUSITALO H - Tampere*

SIS

11:30 - 13:00 | GALLIENI 1+2

MBGE - Genes and regulation of eye development

During embryonic development of the eye, transcription factors and signaling molecules play important roles in the coordination of the process and the differentiation of the various cell types into the complex system of an eye. Errors in these processes lead to congenital diseases affecting the cornea, the lens, the retina, the optic nerve and in many cases the entire eye. The speakers of this SIS will discuss the cellular and molecular principles of vertebrate eye development using different model organisms, but also including human data.

GRAW J , CVEKL A

1161	11:30	Neural retina identity is specified by lens-derived BMP signals *GUNHAGA L , Pandit T , Patthey C , Jidigam V - Umeå*
1162	11:48	The role of Meis genes is lens and retina development *KOZMIK Z , Antosova B - Prague*
1163	12:06	Neural crest FGF signaling controls lacrimal gland development *Garg A , ZHANG X - New York*
1164	12:24	Genes and regulation of eye development *SEMINA E , Sorokina E , Muheisen S , Hendee K , Weh E , Reis L - Iowa City*
1165	12:42	Transcriptional dynamics, denucleation, and gene regulation in embryonic lens development *CVEKL A , Limi S , Zhao Y , McGreal R , Zheng D - Bronx*

C

11:30 - 13:00 | GALLIENI 4

EOVS - Basic principles of state-of-the-art ophthalmic instrumentation

★★★ Advanced

This course is aimed at providing an overview of the basic principles of various state-of-the-art ophthalmic instruments such as scanning laser ophthalmoscopy, optical coherence tomography, as well as adaptive optics. The goal is to illuminate for the clinician and scientist the underlying optical concepts and principles of various devices, even when not familiar with the particular technology employed within the instrument.

IRSCH K , BERNARDES R

1171	11:30	Scanning laser ophthalmoscopy – basic optical principles *IRSCH K - Paris*
1172	11:45	Optical coherence tomography – basic optical principles *IRSCH K - Paris*
1173	12:10	Optical coherence tomography – machine learning *BERNARDES R , Castelo-Branco M - Coimbra*
1174	12:35	Adaptive optics – basic optical principles *IRSCH K - Paris*

FP

11:30 - 13:40 | GALLIENI 5

EVER 2017 Late-breaking session

NEW!

BIRD AC , BHATTACHARYA SS

1181	*	11:30	Omega-3 fatty acids supplementation: therapeutic potential in a mouse model of Stargardt's disease *PROKOPIOU E , Kolovos P , Kalogerou M , Neokleous A , Nicolaou O , Sokratous K , Kyriacou K, Georgiou T - Nicosia*
1182	*	11:40	Vision improvement in dry and wet Age-Related Macular Degeneration (AMD) patients after treatment with new corneal CPV procedure for light redirections onto the retina *SERDAREVIC O , Tasindi E , Dekaris I , Berry M - Goshen*
1183		11:50	Optical coherence tomography angiography in occlusive retinal vasculitis *BEN ABDERRAHIM K , Zina S , Khairallah M , Ksiaa I , Jelliti B , Khairallah M - Medenine*
1184		12:00	Choroidal thickness assessed by swept-source optical coherence tomography in patients with diabetes *HORVATH H , Kovács I , Sándor G , Czakó C , Récsán Z , Somogyi A , Zoltán Nagy Z , Ecsedy M - Budapest*
1185		12:10	Bilateral quantification of vascular density in diabetic patients using optical coherence tomography angiography *CZAKO C , Ecsedy M , Récsán Z , Szepessy Z , Resch M , Borbándy A , Tátrai E , Sándor G , Horváth H , Zsolt Nagy Z , Kovács I - Budapest*
1186		12:20	Differential diagnosis of cystoid macular edema by optic disc thickness in optical coherence tomography *CARDIGOS J , Crisostomo S , Basilio A , Costa L , Carvalho B , Vieira L , Flores R - Lisbon*
1187		12:30	Macular thickness after intraocular pressure reduction following trabeculectomy *DRUKTEINIENE E , Strelkauskait E , Kadziauskien A , Ašoklis R , Schmetterer L - Vilnius*
1188		12:40	27-Gauge vitrectomy – the smaller the better? *FALKNER-RADLER C , Bukaty E , Krebs I - Vienna*
1189		12:50	Bidirectional cross talk between uveal melanoma cells and hepatic myofibroblasts promotes inflammation-induced chemokines expression *BABCHIA N , Landreville S , Clement B , Coulouarn C , Mouriaux F - Rennes*
1190		13:00	Intraconal hybrid neurofibroma - schwannoma of the orbit *VERHELST E , Lauwers N , Siozopoulou V , De Keizer RWJ , De Groot V - Antwerpen*
1191		13:10	Alternated intra-arterial and intravitreal chemotherapy: successes and failures of advanced intraocular retinoblastoma treated without systemic chemotherapy *DE FRANCESCO S , Hadjistilianou T , Borri M - Siena*
1192		13:20	Nanostructured hydroxyapatite used as an augmenting material to expand the orbit *POPA CHERECHEANU A , Istrate S , Iancu R , Popescu M , Bastian A , Ciuluvica R - Bucharest*
1193		13:30	The advantages of serological tests of blood and tears for the diagnosis and the follow up of corneal rickettsiosis *BENABDERRAHIM K , Feki J , Khairallah M - Medenine*

C

14:00 - 15:30 | HERMES

RV - OCT-angiography for the evaluation and management of macular pathologies

★★★ Advanced

OCT angiography (OCT-A) as a new non-invasive imaging technology that enables the monitoring of the macular retinal and choroidal circulation.
OCT-A allows a detailed detection either of the macular retinal capillaries plexus as well as the subretinal choroidal neovascularisation. The correlation of OCT-A with OCT longitudinal or "en face" sections resulted to a better understanding of the pathologic features of the macular degenerative or vascular pathologies. OCT-A became a useful imaging modality in the evaluation and management of macular hemodynamic changes observed during the evolution of the retinal ischemic micronagiopathies, age related maculopathies related to a subretinal neovascularisation as well as the vitreoretinal interface surgical pathologies.
The aim of this course is to present the most recent findings for the evaluation of macular pathologies and to have an interactive session.

COSCAS G , POURNARAS C

1311		14:00	Principles and techniques; pearls and pitfalls *LUPIDI M , Coscas G , Coscas F - Perugia*
1312	✶	14:12	OCT-A et critères d'activité *COSCAS G , Lupidi M , Coscas F - Creteil*
1313	✶	14:24	OCT-A and VRO *COSCAS F , Coscas G , Souied EH - Creteil*
1314	✶	14:36	OCT-A A in CSC and in MacTel type 2 *MAUGET-FAYSSE M , Wolff B , Vasseur V , De Bats F - Paris*
1315		14:48	OCT-A in ocular oncology *ZOGRAFOS L - Lausanne*
1316		15:00	OCT-A: Diagnosis and management of surgical macular pathologies *POURNARAS C - Genève*
1317		15:12	OCT-A and Diabetic maculopathy; automated assessement *LUPIDI M , Cagini C , Coscas F , Coscas G - Perugia*

SIS

14:00 - 15:30 | RHODES 1

G - Glaucoma neuroprotection - feasibility and application

This SIS which is also organised through the auspices of the European Glaucoma Society Special Interest Group hopes to update the glaucoma community on what is happening in terms of neuroprotection in glaucoma.
It will address the following questions:
- Can we use neuroprotection in glaucoma?
- What proof do we currently have?
- Is it feasible?
- If we can, which patients would benefit?

CORDEIRO MF , LEVIN L

1321		14:00	Doctor is there anything else that I can do for my glaucoma?: Alternative therapy for glaucoma, what is the evidence? *SUNARIC MEGEVAND G - Geneva*
1322	✶	14:30	Do we need to treat? *MEIER-GIBBONS F - Rapperswil*
1323		15:00	Is it feasible to treat? *LEVIN L - Montreal*

C

14:00 - 15:30 | RHODES 2

IM - EBO course: Intraocular inflammation and infection (part II)

✶✶ Intermediate

The first part on general aspects of uveitis will be followed by case presentations in different basic or more challenging situations. Important points will be discussed during each practical situation. The course will be interactive allowing general discussion and the participation of the audience. It will be intermediate and present entities that are frequently observed in routine. At the end of this course, participants will be prepared for the viva voce part of the EBO examination in uveitis.

BODAGHI B , HERBORT JR. CP

1331		14:00	B27-associated uveitis, Fuchs uveitis *WILLERMAIN F - Bruxelles*
1332		14:18	Infectious posterior uveitis *MARKOMICHELAKIS N - Athens*
1333		14:36	Behçet's disease, VKH, sarcoidosis *KHAIRALLAH M , KSIAA I , JELLITI B - Monastir*
1334		14:54	Choroiditis (non-infectious) *HERBORT CP - Lausanne*
1335	✶	15:12	Retinal vasculitis *BODAGHI B - Paris*

C

14:00 - 15:30 | RHODES 3

LC/RV/COS - Flat-mount techniques of eye tissues

✶✶ Intermediate

This is a cross-sectional course inviting participants from the Cornea/Ocular surface, Lens/Cataract and Retina/Vitreous Sections. The course aims at describing various techniques in flat-mounting ocular tissues. Flat-mounting is a necessity for many subsequent analytic techniques involving optics, and the globular shape of the eye introduces technical challenges when a flat-mount is performed.

LOFGREN S ,THURET G

1341	14:00	Flat-mount preparation of cornea *THURET G , He Z - Saint Etienne*
1342	14:30	Flat-mount preparation of lens epithelium *LOFGREN S - Stockholm*
1343	15:00	Flat-mount of retina, including preparation of choroid and iris *ANDRE H - Stockholm*

SIS

14:00 - 15:30 | RHODES 4

MBGE - Grand rounds in human and mouse ophthalmic genetics

This SIS will provide a forum to discuss clinical and molecular cases with peers and leaders from the field of ophthalmic genetics, with the specific aim to stimulate interaction between human and mouse ophthalmic geneticists. The format is simple and is comparable to that of the Grand Rounds in departments of ophthalmology around the World.
All EVER participants are invited to come and discuss cases during this session. As such, the format will be similar to the FAN Club meeting.

LEROY B , GRAW J

1351	14:00	Mouse case *ROUX M , Amiot C , Maréchal D , Hérault Y - Illkirch*
1352	14:18	Human case *LISKOVA P - Prague*
1353	14:36	Deficiency in the expression of Vps13C is associated with altered retinal and lens development in mice *AMARIE O , Rathkolb B , Fuchs H , Gailus-Durner V , Hrab de Angelis M , Graw J - Neuherberg*
1354	14:54	Human case *LEROY BP , Hamel C , Bocquet B , Manes G , Meunier I - Montpellier*
1355	15:12	Human case *SERGOUNIOTIS P , Ellingford J , Hall G , Ramsden S , Biswas S , Ashworth J , Black G - Manchester*

SIS

14:00 - 15:30 | GALLIENI 1+2

PBP - Insults related to a cause for retinal disease processes

Neural signals from the rods and cones undergo processing by other cell-types of the retina. The output takes the form of action potentials in retinal ganglion cells whose axons form the optic nerve. Several important features of visual perception can be traced to the retinal encoding and processing of light. In retinal diseases, specific retinal cell-types are affected that results in diseases like glaucoma, AMD or diabetic retinopathy. Basic science studies suggest that the cause for individual cell-types initially being affected that result in a defined disease might be due to genetics or specific insults such as raised IOP, light, inflammation, autoimmunity or oxidative stress. The aim of this SIS is to provide information as to why this is the likely case.

OSBORNE N , VIDAL-SANZ M

1361	14:00	Inflammation in relation to retinal diseases *DICK A - Bristol*
1362	14:18	Autoimmunity in relation to retinal diseases like glaucoma *GRUS F - Mainz*
1363	14:36	Role of taurine in cone death *PICAUD S , Trouillet A , Hadj-Saïd W , Dubus E , García-Ayuso4 D , Sahel J , El-Amraoui A , Petit C - Paris*
1364	14:54	Elevation of intraocular pressure in relation to retinal diseases *VIDAL-SANZ M , Valiente-Soriano FJ , Rovere G , Nadal-Nicolás FM , Salinas-Navarro M , Agudo-Barriuso M , Villegas-Pérez MP - Murcia*
1365	15:12	Insult dependent oxidative-induced cell death *OSBORNE N - Oxford*

FP

14:00 - 15:30 | GALLIENI 4

ACB - Anatomy and cell biology of the eye - from retina to cornea and back

PETROVSKI G , KAUPPINEN A

1371		14:00	Phenotype of human corneal stroma-derived cells obtained by different isolation techniques from various corneal regions *NAGYMIHALY R , Veréb Z , Facskó A , Moe M , Petrovski G - Oslo*
1372		14:12	The role of p62/SQSTM1 in IL-1 -mediated cytokine production in retinal pigment epithelial cells *KAUPPINEN A , Korhonen E , Piippo N , Hytti M , Kaarniranta K - Kuopio*
1373		14:24	Mitochondrial impairment regulates inflammasome activation in human retinal pigment epithelial cells *KORHONEN E , Piippo N , Hytti M , Kaarniranta K , Kauppinen A - Kuopio*
1374		14:36	National diabetic retina screening programme: Identifying non-diabetic eye disease *MURPHY R , Keegan D - Dublin*
1375	*rf*	14:48	Loss of Nrf-2 and PGC1-alpha genes changes macromorphology of the eye and evokes microstructural and pigmentation pattern changes of the retinal pigmented epithelium *FELSZEGHY S , Viiri J , Koskela A , Paterno J , Kettunen M , Jokivarsi K , Kaarniranta K - Kuopio*
1376	*rf*	14:54	Effects of HSP90 inhibitor TAS-116 on the inflammasome activation in ARPE-19 cells *RANTA-AHO S , Piippo N , Korhonen E , Hytti M , Kinnunen K , Kaarniranta K , Kauppinen A - Kuopio*
1377	*rf*	15:00	The supportive role of interferon- in retinal differentiation of mesenchymal stem cells *HERMANKOVA B , Kossl J , Javorkova E , Bohacova P , Hajkova M , Zajicova A , Krulova M , Holan V - Prague*
1378	*rf*	15:06	Remote ischemia affects the diameter of larger retinal vessels in normal persons *EL DABAGH Y , Petersen L , Pedersen M , Bek T - Aarhus C*

SIS

14:00 - 15:30 | GALLIENI 5

Roundtable Innovations in imaging part I

NEW!

A platform for Industry & Academy

CREUZOT C , SOUIED E

1381	14:00	When OCT angio can help us: from diagnosis to follow-up *SOUIED E - Creteil*
1382	14:18	OCT A from anatomy to imaging, vascular remodeling in macular diseases *MIERE A - Creteil*
1383	14:36	OCT angiography in diabetic retinopathy: what for? *KOROBELNIK JF - Bordeaux*
1384	14:54	Adaptative optics: the optical Stiles-Crawford effect in the clinics *PAQUES M - Paris*
1385	15:12	Diabetic retinopathy screening and deep learning *LAMARD M - Brest*

PS

15:45 - 16:30 | HERMES

Opening ceremony

15:45
WELCOME BY THE EVER PRESIDENT 2017

Andrew DICK - Bristol

16:00
EVER LECTURE DELIVERED BY THE PAST PRESIDENT: THE PUPIL: A MARKER OF VISUAL AND NON-VISUAL LIGHT SENSITIVITY

Aki KAWASAKI - Lausanne

FP

16:50 - 18:20 | HERMES

RV - Imaging

AMBRESIN A , POURNARAS C

1511	✶	16:50	Fluorescence lifetimes of drusen in age-related macular degeneration *DYSLI C , Fink R , Wolf S , Zinkernagel MS - Bern*
1512		17:02	Deep learning to screen for referable diabetic retinopathy *DE BOEVER P , Malik R , Afifi N , Elen B - Mol*
1513		17:14	Macular changes in patients with multiple sclerosis – A texture analysis of optical coherence tomography data *BERNARDES R , Silva G , Batista S , Sousa L , Castelo Branco M - Coimbra*
1514		17:26	Structural Bscan OCT correlation with OCT angiography biomarkers of activity in neovascular age related macular degeneration *AMBRESIN A , Mantel I , Bergin C , Naso S - Lausanne*
1515	*rf*	17:38	Cross-sectional static retinal vessel analysis in routine optometric practice *FRENCH C , Heitmar R - Birmingham*
1516	*rf*	17:44	Ophthalmoscopic and video OCT methods to detect spontaneous venous pulsation in individuals with apparently normal intracranial pressure: the rebirth of the SVP? *JENKINS KS , Layton CJ , Adams MKM - Brisbane*
1517	*rf*	17:50	Inner retina changes in hydroxychloroquine patients *BARATA A , Leal I , Sousa F , Teixeira F , Pinto F - Lisboa*
1518	*rf*	17:56	Idiopathic retinal vasculitis, arteriolar macroaneurysms and neuroretinitis (IRVAN): Case series of three patients with multimodal imaging. *YU JEAT C , Logeswaran A , Damato E - Birmingham*

C

16:50 - 18:20 | RHODES 1

✶ Basic

✶✶ Intermediate

G - Glaucoma Hot Topics Course in association with EVICR.net

This course is aimed at glaucoma clinicians (basic and intermediate), clinical trial CROs and technicians, and industrial collaborators.

CORDEIRO MF

1521		16:50	Summary of main clinical trials *NORMANDO EM - London*
1522	✶	17:12	Evidence for successful treatment in glaucoma: who to treat and when? *GANDOLFI S - Parma*
1523		17:34	The three P's of testing new drugs in glaucoma: Pilot, POC and Pivotal *LEVIN L - Montreal*
1524	✶	17:56	Outcomes and endpoints in glaucoma *CORDEIRO MF - London*

SIS

16:50 - 18:20 | RHODES 2

IM - Top mistakes in uveitis and how to avoid them: a case-based approach

Misunderstanding laboratory evaluation
- o False positive rate in quantiferon TB test
- o The importance of urinalysis (TINU)
- o Misinterpreting the updated syphilis algorithm
- o Multiple positive tests can lead to multiple diagnoses

Mistaking infection for inflammation
- o Peripheral punctate lesions in sarcoidosis and syphilis
- o Inflammatory "masquerades" of herpetic viruses
- o Dealing with intravitreal steroids in an infected eye

Forgetting malignancies
- o Atypical presentations of intraocular lymphoma

Over-interpreting white dots
- o Placoid syphilis
- o Punctate inner choroidopathy vs multifocal choroiditis
- o Relentless and persistent placoid chorioretinopathies

Choosing the wrong imaging modalities
- o When to get fluorescein angiography in anterior uveitis
- o When fundus autofluorescence alone can evaluate inflammatory activity
- o Underestimating indocyanine green angiography

Fear of the correct treatment dose
- o Underdosing valacyclovir
- o Underdosing immunosuppressive therapy

PICHI F , LOWDER C

1531	16:50	Misunderstanding laboratory evaluation *NERI P , Pirani V , Cesari C - Agugliano*
1532	17:05	Mistaking infection for inflammation *ALBINI T - Miami*
1533	17:20	Forgetting malignancies *SEN HN - BethesdaMD*
1534	17:35	Over-interpreting white dots *SRIVASTAVA S - Cleveland*
1535	17:50	Choosing the wrong imaging modalities *PICHI F - Abu Dhabi*
1536	18:05	Fear of the correct treatment dose *LOWDER C - Cleveland*

FP

16:50 - 18:20 | RHODES 3

COS - Dry eye & corneal transplantation

JEPPESEN H , KESTELYN P

1541		16:50	Sicca syndrome - disease continnum. Anatomical, functional and systemic assessment *CARDIGOS J , Crisostomo S , Costa L , Vaz Patto J , Maduro V , Barcelos F , Alves N - Lisbon*
1542	✶	17:02	Estimating basal rear osmolarity in normal and dry eye subjects *WILLSHIRE C , Buckley R , Bron A - Cambridge*
1543		17:14	Ocular chronic graft-versus-host disease after allogeneic haematopoietic stem cell transplantation in Denmark (1971-2011): - Incidence and risk factors in adults *JEPPESEN H , Sengeloev H , Eriksson F , Kiilgaard JF , Lindegaard J , Julian HO , Heegaard S - Copenhagen*
1544		17:26	Preclinical validation of an innovative corneal bioreactor versus organ culture for long term storage: a randomized controled study *GARCIN T , Forest F , Verhoeven P , Pugniet J L , Peyragrosse T , Rogues F , Herbepin P , Perrache C , Acquart S , He Z , Gain P , Thuret G - Saint Etienne*
1545	✶ *rf*	17:38	Efficacy of a RAR selective agonist eye drop formulation on improvement of tear production and corneal fluorescein staining in the BTX-B mouse model of dry eye disease *LEMIRE I , Harvey M , Grogan D , Desjardins C - Montreal*
1546	*rf*	17:44	Graft blues: case report *THURET G , Marcon A , Perillat N , Jullienne R , Garcin T , He Z , Peoc'H M , Gain P - Saint Etienne*

FP

16:50 - 18:20 | RHODES 4

ACB - From retinal biochemistry and angiogenesis to dry eye disease

KAUPPINEN A , ANDRE H

1551		16:50	Modulation of Muller cell membrane organization by 24S-hydroxycholesterol *GABRIELLE PH , Gambert S , Masson E , Leger-Charnay E , Ferrerro A , Vannier A , Gendrault C , Lachot M , Creuzot-Garcher C , Bon A , Gregoire S , Leclere L , Martine L , Lucchi G , Truntzer C , Bretillon L - Dijon*
1552		17:02	Plasmalogens and cell-cell communication between retinal glial cells *BRON A , Mazzocco J , Leclere L , Fenech C , Grall S , Buteau B , Gregoire S , Creuzot-Garcher C , Leloup C , Bretillon L , Fioramonti X , Acar N - Dijon*
1553		17:14	Gene therapy strategies for hypoxia-inducible angiogenesis in ocular neovascularization *ANDRE H , Hertzman M , Kristiansson A , Svensson E , Alatar S , Ruononen J , Lu Y , Kvanta A - Stockholm*
1554		17:26	A holistic dynamic concept on dry eye disease identifies several different interacting self-enforcing vicious circles of disease progression *KNOP E , Knop N - Berlin*
1555	*rf*	17:38	A novel in vivo model of puncture-induced iris neovascularization *LOCRI F , Beaujean O , Aronsson M , Kvanta A , André H - Stockholm*
1556	*rf*	17:44	Modulation of the rod outer segment aerobic metabolism diminishes the production of radicals due to light absorption *PANFOLI I , Calzia D , Degan P , Caicci F , Manni L , Traverso C E - Genova*
1557	*rf*	17:50	Protective effects of sulforaphane on STZ-induced diabetic retinopathy via activation of Nrf2/HO-1 antioxidant pathway and inhibition of NADPH oxidase *HE M , Luan L , Zhang Y , Nan Y - Beijing*
1558	*rf*	17:56	The 8-fold quadrant dissection method for ex vivo human interventional retinal experimentation *MURALI A , Ramlogan-Steel C , Andrzejewski S , Dhungel B , Steel J , Layton C - Brisbane*

FP

16:50 - 18:20 | GALLIENI 1+2

PBP - Retinal physiology, biochemistry and pharmacology

OSBORNE N , VIDAL-SANZ M

1561		16:50	Biological model of Zebrafish- a new research trend in ophthalmology, for an antiangiogenic treatment *DANIELUK K , Swiech- Zubilewicz A , Oseka M , Mackiewicz J - Lublin*
1562		17:02	Importance of cellular factors in the retention of melanin-binding drugs in pigmented ocular tissues *RIMPELA AK , Urtti A - Helsinki*
1563		17:14	Optic nerve cupping and lamina cribrosa sclerae depth as a resultant of translaminar pressure difference *CZAK W , Piróg - Mulak M , Nowakowski J , Misiuk - Hojło M - Wroclaw*
1564	*rf*	17:26	Alzheimer's disease: can the retina be a window to the brain? *NEVES AC , Chiquita S , Carecho R , Campos E , Moreira P , Baptista F , Ambrósio F - Coimbra*
1565	*rf*	17:32	Electrical direct current stimulation affects retinal vessel diameter and vasodilation in healthy subjects *FREITAG S , Klee S , Haueisen J - Ilmenau*
1566	*rf*	17:38	Influence of metabolic control in patients with refractory diabetic macular edema treated with Ozurdex *SANCHEZ RAMON A , Lopez Galvez MI , Ortega Alonso E , Hernandez Rodriguez R , Portilla Blanco RR , Roberts I , Zarzosa Martin E - Burgos*

C

16:50 - 18:20 | GALLIENI 4

ACB - Imaging in retinal disease models and differential diagnosis

✶✶ Intermediate

This course aim to help scientists and clinicians better understand the principles of, and the main trends in modern scanning and imaging modalities used in ophthalmology. It is intended to ease the communication between basic scientists and clinicians in the field of modern imaging. Potential of microscopic imaging, spectral imaging, fluorescence and optical coherent imaging are discussed in retinal disease models and differential diagnoses.

UUSITALO H , PETROVSKI G

1571	16:50	Critical points in scientific retinal imaging *FELSZEGHY S , Viiri J , Kettunen M , Kositinen A , Kai K - Kuopio*
1572	17:08	Different light spectra to better visualize retinal detail *UUSITALO H , Lensu L , Hauta-Kasari M - Tampere*
1573	17:26	Old and new retinal imaging techniques in research and differential diagnosis of retinal diseases *PETROVSKI G - Szeged*
1574	17:44	What is the meaning of autofluorescence in retinal diseases? *KAARNIRANTA K - Kuopio*
1575	18:02	Histological analysis with OCT *PATERNO J - Kuopio*

SIS

16:50 - 18:20 | GALLIENI 5

Roundtable Innovations in imaging part II

NEW!

A platform for Industry & Academy

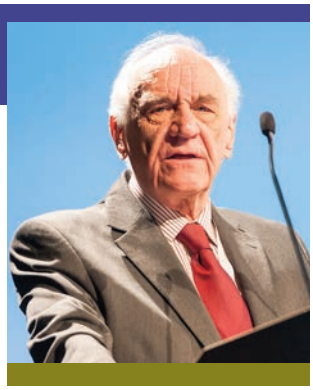
CREUZOT C , BRON A

1581	16:50	Retina assessment: Imaging or function? *SCHMETTERER L - Vienna*
1582	17:08	3D surgery: new tool or just a toy? *CREUZOT C - Dijon*
1583	17:26	Glaucoma: structure assessment and imaging *BRON A - Dijon*
1584	17:44	OCTA Predictive factors of CNV re treatment *COSCAS F - Creteil*
1585	18:02	Corneal nerves: from imaging to disease *ROUSSEAU A - Le Kremlin Bicêtre*

PS

18:30 - 19:00 | HERMES

European Ophthalmology Heritage Lecture by Alan C BIRD



EVOLUTION OF OUR UNDERSTANDING AND MANAGEMENT OF MONOGENETIC RETINAL DISORDER

Alan C BIRD - London

HERMES

18:30 Introduction by Andrew DICK

18:35 **Evolution of our understanding and management of monogenetic retinal disorders**
Night blindness as a hall mark of many monogenetic retinal disorders has been known for over a thousand years. Indirect evidence implies that this was due to vitamin A deficiency in some of these early descriptions. In the 18th. century it was recognised that it may be seen in families implying a genetic origin of disease. A secure diagnosis of retinitis pigmentosa became possible with the invention of the ophthalmoscope in the mid-19th century and by 1908 Nettleship synthesised reports of over 1,000 reported cases. He generated an accurate clinical description of the disorders and there was little revision of his conclusions until the 1970's apart from early electrophysiological studies. Thereafter, there has been highly productive research that has led to identifying the causes, and pathogenetic mechanisms involved in disease, followed by early attempts at intervention. It is likely that over the next 10 years successful treatment will become available in disorders that were ill understood 40 years ago.

19:00 *Award presentation of the EVER Certificate of Honour*

Biography of Prof. Alan C BIRD:

Alan C. Bird, Chief Scientist for The MacTel Project, is a Professor and Consultant at the Institute of Ophthalmology at the Moorfields Eye Hospital in London, UK. Since joining Moorfields in 1969, Dr. Bird has held numerous positions. For the past several years, Dr. Bird's his main area of interest is retina. Under his direction, The Medical Retinal Service now holds 24 clinics each week, and has 7 Consultants. A productive multidisciplinary research team developed for the investigation of monogenic retinal disorders and age-related macular disease. Investigative techniques included molecular genetics, electrophysiology, psychophysics, specialised imaging and morphology. Along with his colleagues, Dr. Bird as established research programs in inflammatory eye disease, and retinal vascular diseases. Dr. Bird has done extensive international work in Africa on river blindness and in Jamaica on retinal changes in sickle cell disease. Dr. Bird has received a number of awards in recognition of his work.

KN

19:00 - 19:30 | HERMES

Keynote Lecture by Carol SHIELDS

UVEAL MELANOMA: MILLIMETERS, PERSONALIZED PROGNOSIS, AND NEW THERAPIES

Carol SHIELDS - Philadelphia

HERMES

19:00 Introduction by Frédéric MOURIAUX and Steffen HEEGAARD

19:05 **Uveal melanoma: millimeters, personalized prognosis, and new therapies**
The management of uveal melanoma is going through tremendous transition into the realm of early detection, personalized prognostication and potentially new systemic and local therapies. In this Keynote Lecture, we will discuss four topics relevant to current melanoma management including (1) the importance of detection of small melanoma where thickness is approximately 3 mm or less, (2) optical coherence tomography angiography (OCTA) of melanoma before and after plaque radiotherapy, (3) DNA analysis of >1000 cases of uveal melanoma and the ability to personally prognosticate each patient based on cytogenetic profile, and (4) new systemic and local therapies.

19:30 *Award presentation of the EVER Certificate of Honour*

Biography of Dr. Carol SHIELDS:

Dr. Carol Shields completed her residency in ophthalmology at Wills Eye Hospital in Philadelphia in 1987 and subsequently did fellowship training in ocular oncology, oculoplastic surgery, and ophthalmic pathology. She is currently Co-Director of the Oncology Service, Wills Eye Hospital, and Professor of Ophthalmology at Thomas Jefferson University in Philadelphia.

She has authored or coauthored 12 textbooks, over 1500 articles in major peer-reviewed journals, over 300 textbook chapters, given over 700 lectureships, and has received numerous professional awards. The 7 most prestigious awards include:

- The Byron Kanaley Award (1979) given to the top student-athlete at the University of Notre Dame. She was the first woman ever to receive this award.
- The Donders Award (2003) given by the Netherlands Ophthalmological Society every 5 years to an ophthalmologist worldwide who has contributed extensively to the field of ophthalmology. She was the first woman ever to receive this award.
- Honorary Doctorate of Science Degree from the University of Notre Dame (2005) and the Catholic University (2011) bestowed at the graduation ceremonies from each University. She was the first woman graduate of Notre Dame to receive this award.
- The American Academy of Ophthalmology Life Achievement Honor Award (2011) for significant contributions to the field of ophthalmology.
- Induction into the Academic All-American Hall of Fame (2011) for lifetime success in athleticism and career.
- President of the International Society of Ocular Oncology (2013-2015) – This is the largest international society of clinicians and basic scientists interested in ocular tumors. She was the first elected President of this society.
- Ophthalmology Power List - Nominated by peers as one of the top 100 leaders in the field of ophthalmology and published in The Ophthalmologist. There have only been 2 "Top 100" power lists in 2014 and 2016 and she was on both.

Dr. Carol Shields is a member of numerous ocular oncology, pathology, and retina societies and has delivered 47 named lectures in America and abroad. She has been active in the American Academy of Ophthalmology. She serves on the editorial/advisory board of 27 journals including JAMA Ophthalmology, Retina, Journal of Pediatric Ophthalmology and Strabismus, Ophthalmic Plastic and Reconstructive Surgery, and International Journal of Clinical Oncology.

She practices Ocular Oncology on a full time basis with her husband, Dr. Jerry Shields and associates on the Oncology Service at Wills Eye Hospital. Each year the Oncology Service manages approximately 500 patients with uveal melanoma, 120 patients with retinoblastoma, and numerous other intraocular, orbital, and adnexal tumors from the United States and abroad. She and her husband Jerry are the parents of 7 children, ranging in age from16 to 28 years.

EVER 2017
THURSDAY
SEPT 28

SIS

8:30 - 10:00 | HERMES

RV - OCT-angiography in every day practice

OCT angiography (OCT-A) as a new non-invasive imaging technology that enables the monitoring of the macular retinal and choroidal circulation.
OCT-A allows a detailed detection either of the macular retinal capillaries plexus as well as the subretinal choroidal neovascularisation.
The correlation of OCT-A with OCT longitudinal or "en face" sections resulted to a better understanding of the pathologic features of the macular degenerative or vascular pathologies. OCT-A became a useful imaging modality in the evaluation and management of macular hemodynamic changes observed during the evolution of the retinal ischemic micronagiopathies, age related maculopathies related to a subretinal neovascularisation and the vitreoretinal interface surgical pathologies.

POURNARAS C , ZOGRAFOS L

2111		8:30	Acute retinal ischemia *AMBRESIN A - Lausanne*
2112	✶	8:45	OCT-A: guided treatment of diabetic retinopathy *COSCAS G , Lupidi M , Coscas F - Creteil*
2113	✶	9:00	OCT-A based management and treatment of RVO *COSCAS F , Coscas G , Souied EH - Creteil*
2114		9:15	OCT-A evaluation and treatment of the macular surgical pathologies *POURNARAS C - Genève*
2115		9:30	Irradiation induced retinopathy: OCT-A in the management and treatment *ZOGRAFOS L - Lausanne*
2116		9:45	AMD type I and II: OCT-A based management and treatment *LUMBROSO B - Rome*

SIS

8:30 - 10:00 | RHODES 1

G - Untrabitional glaucoma surgery - second line procedures for tough or refractory cases

Primary glaucoma surgeries, whether minimally invasive or trabeculectomy, are usually effective in lowering intra-ocular pressure. However, in a proportion of cases the initial procedure is ineffective or the procedure fails; in this eventuality comprehensive glaucoma specialists need to be skilled in a number of other surgical strategies. This special interest symposium will address a variety of the more complex and innovative glaucoma treatment options for such refractory cases, in a series of lectures delivered by glaucoma sub-specialists working in busy glaucoma referral centres.

BLOOM P , CRAWLEY L

2121	✶	8:30	Tube surgery techniques *GANDOLFI S - Parma*
2122		8:52	Tube surgery in scarry eyes! *AHMED F - London*
2123		9:14	Pars plana & ciliary sulcus drainage tubes *BLOOM P - London*
2124		9:36	ECP - limbal & pars plana techniques *BLOOM P - London*

JM

8:30 - 10:00 | RHODES 2

IM - SOIE : Quantitative measurement methods for the management of uveitis and for the design of trials are to be privileged

In the last 25 years, uveitis represented one of the fields in ophthalmology where the evolution was tremendously fast. Ophthalmologists not only gained access to more effective, more targeted and better tolerated treatments, but in parallel precise and quantitative measurement techniques developed, allowing the specialists to evaluate the balance between safety and efficacy of therapies and adjust such interventions with a higher degree of precision. Precise measurement of intraocular inflammation became possible for most inflammatory diseases, thanks to new technologies such as laser flare photometry and indocyanine green angiography. Furthermore, the introduction of new softwares for optical coherence tomography can allow the measurement of anterior chamber and vitreous involvement in uveitis.
In addition, in very severe cases, the anterior chamber tap and the vitreous biopsy can provide important data which can be not only important for the visual prognosis but can even lead to the correct diagnosis in uncertain cases, such as for vitreo-retinal lymphoma.The aim of this SIS is to bring new concepts on diagnostic techniques in uveitis and discuss the possible perspectives of the evolution of such methods. In addition, we will highlight the impact of these tools in the clinical practice.

NERI P , HERBORT JR. CP

2131		8:30	Ocular angiography: dual FA/ICGA scoring of posterior uveitis *HERBORT CP - Lausanne*
2132		8:52	Ocular fluid analysis to pin down the cause of inflammation *NERI P , Gorgoni F , Pirani V , Pelliccioni P , Nicolai M - Agugliano*
2133		9:14	The place of OCT-angiography in uveitis *KHAIRALLAH M , Khochtali S , Abroug N - Monastir*
2134		9:36	The potential impact of new OCT technology for the measurement of ocular inflammation *PICHI F - Cleveland*

SIS

8:30 - 10:00 | RHODES 3

PBP/RV - Novel therapeutics and drug delivery approaches for eye diseases

A number of innovations in drug development as well as drug delivery are dramatically expanding the therapeutic options for treating diseases of the eye, particularly those affecting the back of the eye. The purpose of this session is to introduce recent innovations in therapeutic agents, biomaterials, delivery systems, and routes of delivery intended for improving treatment of eye diseases. The specific topics to be discussed include new protein drugs; development of biocompatible and bioresorbable materials for sustained intraocular drug delivery; manufacturing and characterization of ophthalmic implants for sustained drug delivery; mathematical models to explain ocular pharmacokinetics and drug effects; and suprachoroidal drug delivery, which is enabling targeted, sustained drug delivery for posterior as sell as anterior segment diseases.

KOMPELLA UB , RITTENHOUSE K

2141	✶	8:30	New protein drugs for retinal diseases: Attributes, efficacy, and safety *BEHAR-COHEN F - Paris*
2142	✶	8:48	New biomaterials and ocular drug delivery *SHEARDOWN H , Muirhead B , Zhang J - Hamilton*
2143		9:06	Biodegradable implants for sustained drug release: Manufacturing considerations, drug stability, and drug release *KOMPELLA UB - Aurora*
2144		9:24	Ocular pharmacokinetics and pharmacodynamics *URTTI A , Del Amo E , Pelkonen L , Rimpelä A K , Kidron H , Reinisalo M - Helsinki*
2145		9:42	Iontophoretic targeting of drug delivery in the eye via the suprachoroidal space *JUNG JH , Chiang B , Prausnitz M - Atlanta*

C

8:30 - 10:00 | RHODES 4

PO - Ophthalmic pathology: new and old insights

✶✶ Intermediate

Ophthalmic pathology: new and old insights: do we still need wet tissue to investigate by old techniques. Which biopsies are still necessary and how do newer techniques change our diagnostic modalities?
Newer diagnostic modalities as OCT, ultrasound, confocal microscopy, high-definition MRI-CT can provide the clinician with a very high change of correct diagnosis. Pcr and new genetic techniques pinpoint to the exact mutation and disease process. In more and more diseases a therapy of radiotherapy or chemotherapy can be delivered without surgery or with minimal invasive techniques. Nevertheless in most cancer cases and strange inflammations a wet biopsy with tissue processing is still necessary. By newer techniques in surgery and laboratory smaller biopsies are used in the advantage of the patient. This course will highlight clinical-pathologic correlations and stress on the advancements and the consequences for clinician and laboratory in disease processes in the eye.

VAN GINDERDEUREN R , HEEGAARD S

2151	8:30	Tips and tricks in grossing & processing specimens *MOULIN A - Lausanne*
2152	8:45	Overview of conjunctival and eyelid tumours *VAN GINDERDEUREN R - Leuven*
2153	9:00	Overview of adult and paediatric orbital pathology *HEEGAARD S - Copenhagen*
2154	9:15	Anterior to posterior "tour" of ocular disease processes *VAN GINDERDEUREN R - Leuven*
2155	9:30	Molecular techniques in ocular pathology *MOULIN A - Lausanne*
2156	9:45	Comparative ocular pathology and animal models used in eye research *HEEGAARD S - Copenhagen*

SIS

8:30 - 10:00 | GALLIENI 1+2

EOVS - The role of pre-receptoral filters of short wavelength light in the eye with emphasis on macular pigment

We propose a SIS on the role of pre-receptoral filters of short wavelength light in the eye with emphasis on macular pigment. We believe this is timely following recent interest in the effects carotenoids can have on various aspects of human vision (e.g. visual acuity, scattered light, functional contrast sensitivity, red/green and yellow/blue colour vision and rod and cone mediated flicker sensitivity). Carotenoids, including beta-carotene, lycopene, lutein, zeaxanthin and meso-zeaxanthin are regarded as effective antioxidants. In addition to 'optical' effects that link directly to spatial distribution of carotenoids in the retina e.g. scattered light and spectrally selective absorption of short wavelength light, other health benefits such as enhanced immune function and reduction in risk of some eye diseases have also been reported and may play a role in mediating observed improvements in visual performance. The aim of the SIS is to examine the latest research findings on the optical and health-related benefits of carotenoids in human vision with emphasis on colour vision and rod/cone rapid flicker sensitivity. This will be of interest to ophthalmologists, psychologists, optometrists, vision scientists and nutritionists.

CTORI I , HUNTJENS B

2161	8:30	A review of the nature & role of pre-receptoral, wavelength-selective, ocular filters in vertebrates *DOUGLAS R - London*
2162	8:50	A review of motion photometry in the assessment of macular pigment distribution profiles obtained over two decades; applications and insights *ROBSON A , Moreland J - London*
2163	9:05	Does ethnicity and foveal morphology play a role in the spatial distribution of macular pigment? *CTORI I , Huntjens B - London*
2164	9:20	Is macular pigment spatial profile a clinical biomarker in children of AMD parents? *RICHER S , Huntjens B , Pratt S , Rutledge G , Perry B , Novil S , Pratt G - Chicago*
2165	9:35	Pre-receptoral filters in the eye and their effect on vision *BARBUR J - London*

8:30 - 10:00 | GALLIENI 4
ACB - RPE cells in function

RPE is a key player in maintaining the integrity of retina via their multiple functions e.g. in phagocytosis, secretion of growth factors, epithelial barrier and transport and visual cycle. Impairment of these vital functions are common cause of retinal diseases e.g. AMD. Special Ínterest Symposium "RPE in function" is focusing in demonstration of novel characteristics of these functions and their development during differentiation by means of molecular biology, electrophysiology and proteomics. In the development of replacement therapies or personalized disease models based on RPE cell differentiation from iPSC or hESC, the evaluation of the stage of differentiation could be functionally determined by using these analyses.

UUSITALO H , KAARNIRANTA K

2171	8:30	Circadian regulation of outer segments phagocytosis by RPE cells: more complexity than meets the eye *NANDROT E - Paris*
2172	8:52	Novel roles for voltage sensitive ion channels in retinal pigment epithelium and phagocytosis *NYMARK S , Johansson JK , Skottman H , Ihalainen TO - Pirkkala*
2173	9:14	The importance of the polarity proteins CRB in the differentiation process of the RPE cells *LILLO C , Paniagua A E , Segurado A , Fernandez-Dolón J , Valle V , Albertos H , Velasco A - Salamanca*
2174	9:36	Proteomic tools for studying RPE functions *HONGISTO H , Jylhä A , Nättinen J , Rieck J , Ilmarinen T , Veréb Z , Aapola U , Beuerman R , Petrovski G , Uusitalo H , Skottman H - Tampere*

8:30 - 10:00 | GALLIENI 5
MBGE - Ophthalmic epidemiology

Ophthalmic epidemiology contributes to the understanding of the distribution of eye diseases and the association of those diseases with risk indicators and potential causal risk factors. This SIS brings together experts of various fields of ophthalmic epidemiology to discuss causative factors including genetics from different points of view.

GRAW J , MCCARTY C

2181	8:30	Ophthalmic ophthalmology *MCCARTY C - Duluth*
2182	9:00	A genome-wide association study suggests that the NADPH Oxidase 4 (*NOX4*) gene is associated with severe diabetic retinopathy in a Scottish diabetic population *MENG W , Hebert H , Palmer C - Dundee*
2183	9:30	Ophthalmic ophthalmology *KLAVER C - CA Rotterdam*

Acta Ophthalmologica

PS

10:20 - 10:50 | HERMES

EVER-Acta Lecture by Leopold SCHMETTERER

OCULAR IMAGING: WHAT WE SEE AND WHAT WE WOULD LIKE TO SEE

Leopold SCHMETTERER - Singapore

HERMES

10:20 Introduction by Einar STEFANSSON

10:25 **Ocular imaging: What we see and what we would like to see**
Imaging is a highly innovative field in ophthalmology. Optical coherence tomography (OCT) has gained widespread clinical importance for both, the anterior and the posterior segment of the eye and is routinely used in diagnosis, follow up and treatment monitoring. While OCT has continuously improved in performance the question is what comes next: higher resolution, faster data acquisition, functional imaging, molecular contrast? In the present talk a perspective is given in terms of clinical needs. Unsolved challenges in terms of screening, diagnosis, follow up and treatment monitoring will be discussed and potential ways to overcome these issues will be provided.

10:50 *Award presentation of the EVER Certificate of Honour*

Biography of Prof. Leopold SCHMETTERER:

Prof Schmetterer is Professor of Ophthalmology and head of ocular imaging at Singapore Eye Research Institute. His interests span a wide range of ocular imaging from development of novel technologies to applications in preclincal research and clinical settings. Prof Schmetterer is also interested in clinical trials and is involved in many studies in retina, glaucoma, cornea and dry eye. He has published more than 280 peer reviewed publications, was invited for more than 200 lectures including more than 15 keynote lectures and has been awarded more than 15 million Euro in research grant funding. He is a member of the Editorial Boards of Acta Ophthalmologica, Journal of Ocular Pharmacology and Therapeutics, Current Eye Research and five other journals.

FP

11:00 - 12:30 | HERMES

RV - Diabetic retinopathy

VAN CALSTER J , AMBRESIN A

2311		11:00	Interventions to increase attendance for diabetic retinopathy screening: a systematic review and meta-analysis *LAWRENSON JG , Graham-Rowe E , Lorencatto F , Bunce C , Burr JM , Francis JJ , Rice S , Aluko P , Vale L , Peto T , Presseau J , Ivers NM , Grimshaw J - London*
2312		11:12	A systematic review of the associations between dietary intake and diabetic retinopathy *WONG M , Man R , Gupta P , Fenwick E , Li L J , Lamoureux E - Singapore*
2314		11:24	Towards a shared care model for stable diabetic retinopathy patients: a feasibility trial in Singapore *MATHUR R , De Korne DF , Wong TY , Chiang PP , Wong EY , Goh D , Chakraborty B , Nguyen H , Wai C , Tan DH , Lamoureux EL - Singapore*
2315	*rf*	11:36	Cost-effectiveness of intravitreal therapy with both anti-VEGF and Dexamethasone implant in patients with Diabetic Macular Edema *D'AMICO RICCI G , Bouzios D , Boscia F , Lupino M , Pinna A - Sassari*
2316	*rf*	11:42	Topical betamethasone sodium phosphate, tetracycline hydrochloride and nonsteroidal anti-inflammatory drugs in the treatment of diabetic macular edema: a case report *D'AMICO RICCI G , Bouzios D , Boscia F , Pinna A - Sassari*
2313		11:48	Vitrectomy with fibrovascular membrane delamination for proliferative diabetic retinopathy with or without preoperative Avastin *GARNAVOU-XIROU C , Papavasileiou E , Velissaris S , McHugh D , Jackson T L - London*

SIS

11:00 - 12:30 | RHODES 1

G - Ocular manifestation of neurodegenerative diseases

Neurodegenerative disorders such as Alzheimer Disease, Parkinson Disease and Multiple Sclerosis present ocular manifestations which could precede general signs and symptoms. This correlation between the eye and the brain has been confirmed by recent advances in imaging technologies.
Hardware and software improvements have given the possibility of examining structures previously inaccessible. The assessments of these structures could lead to novel diagnostic and therapeutic approaches.
The first objective of this SIS is to generate a multidisciplinary discussion between ophthalmologists and non-eye experts; novel synergic approaches to neurodegenerative conditions will be discussed.
The second objective is to explore the current application of retinal imaging in neurodegenerative diseases.

NORMANDO EM , BARBONI P

2321	11:00	Leber's hereditary optic neuropathy: the ophthalmologist point of view *BARBONI P - Bologna*
2322	11:18	Leber's hereditary optic neuropathy: the neurologist point of view *CARELLI V , La Morgia C - Bologna*
2323	11:36	Fluorescence lifetime imaging ophthalmoscopy *DYSLI C , Wolf S , Zinkernagel MS - Bern*
2324	11:54	AD in the eye *DAVIS B , Ravindra N , Guo L , Cordeiro MF - London*
2325	12:12	MS and optic neuritis *NORMANDO EM - London*

FP

11:00 - 12:30 | RHODES 2
IM - New insights in Uveitis 1

BODAGHI B , KESTELYN P

2331	✶	11:00	Activation of retinal microglia and accumulation of sub-retinal fluid after systemic challenge with Lipopolysaccharide in mice *KOKONA D , Ebneter A , Zinkernagel M - Bern*
2332		11:12	Chronic exposure to TNF impairs RPE barrier and immunosuppressive functions *TOUHAMI S , Beguier F , Augustin S , Reichman S , Goureau O , Nandrot E , Guillonneau X , Bodaghi B , Sennlaub F - Paris*
2333		11:24	Uveitic macular edema : efficacy and safety of subconjonctival triamcinolone injections *VERMUSO L , Gueudry J , Ngo C , Portmann A , Muraine M - Rouen*
2334	*rf*	11:36	INFLIXIMAB and ADALIMUMAB in uveitic macular edema *LEJOYEUX R , Diwo E , Vallet H , Bodaghi B , Le Hoang P , Fardeau C - Paris*
2335	✶	11:42	Results from the SAKURA program: central retinal thickness changes with intravitreal sirolimus in subjects with non-infectious uveitis of the posterior segment and macular edema at baseline *BODAGHI B , White S - Paris*

SIS

11:00 - 12:30 | RHODES 3
PO - Controversies in ophthalmic oncology

This symposium will allow a debate and a confrontation of different opinions in ophthalmic oncology
Should we perform an intraocular biopsy when we treat a uveal melanoma with radiotherapy? Some of us do it as a routine procedure to offer a better prognostication to their patients but other are against this procedure which can cause tumor dissemination and does not improve survival as we do not have efficient adjuvant therapy.
Can we perform endoresection surgery without any previous radiation therapy? Bertil Damato uses this technique but most ophthalmic oncologist prefers to use radiation before endoresection to prevent tumor dissemination.
How should we treat iris melanoma? Surgery has been used for a long time but proton beam is now the preferred treatment in, many centers.
Finally what should we do when a patient has a suspicious naevus: observe all of them, or treat? Dermatologists have reduced melanoma mortality by removing all suspicious naevi should we do this as well?
Experts in ophtalmic oncology will give arguments pro and against for each of these clinical situation

DESJARDINS L , CAUJOLLE JP

2341	11:00	uveal melanoma biopsy or not (pro) *SHIELDS C - Philadelphia*
2342	11:11	Uveal melanoma biopsy or not (against) *CAUJOLLE JP - Nice*
2343	11:22	Endoresectiopn of uveal melanoma without radiotherapy *DAMATO B - San Francisco*
2344	11:33	Endoresection after proton beam *CASSOUX N - Paris*
2345	11:44	Surgery of iris melanoma *MOURIAUX F - Rennes*
2346	11:55	Radiotherapy of iris melanoma *LUMBROSO L - Paris*
2347	12:06	Suspicious naevi: treat *DESJARDINS L , Cassoux N , LumbrosoLeRouic L , Levy C , Dendale R - Paris*
2348	12:17	Suspicious naevi: observe *ZOGRAFOS L - Lausanne*

SIS 11:00 - 12:30 | RHODES 4

PBP/RV - Update on retinal imaging

Retinal imaging is a highly dynamic field with enormous achievements over the recent years. OCT angiography is a functional extension of OCT that allows for the non-invasive visualization of the ocular microvasculature. An important aspect of the technique is the potential to visualize choroidal neovascularization secondary to diseases such as age-related macular degeneration and pathological myopia.The technique has, however, also been used to visualize perfusion changes in a wide variety of diseases such as diabetic retinopathy, glaucoma and non-ateritic ischemic optic neuropathy. Whereas OCT has found its way to clinical practize already soon after its introduction adaptive optics imaging is still at the stage of research and is available only at a few centers. In the present SIS we will discuss whether adaptive optics will make it into widespread clinical use in the next years. Another issue that has attracted much attention is the possibility to use imaging as endpoint in clincal trials. This topic will be discussed with a focus on geographic atrophy.

SCHMETTERER L , GARHOFER G

2351		11:00	OCT angiography in retinal disease *SOUIED E - Creteil*
2352		11:15	OCT angiography in ONH disease *SCHMETTERER L - Vienna*
2353		11:30	AO Imaging - will it become a clinical tool? *PAQUES M - Paris*
2354		11:45	Imaging endpoints in clinical trials *GARHOFER G - Vienna*
2355		12:00	Ultrawidefield OCT *KOLB JP , Klee J , Klein T , Kufner C , Wieser W , Neubauer A , Huber R - Lubeck*
2356	*	12:15	Updates on retinal imaging technology for screening and diagnosis *WONG T , Schmetterer L - Melbourne*

SIS 11:00 - 12:30 | GALLIENI 1+2

NSPH - Update in pediatric retina and low vision

Retinal dystrophies in children are degenerative diseases of the retina that have marked clinical and genetic heterogeneity.These disorders include a low vision in children that should be early diagnosed with a complete work-up.The low vision has to be rehabilitated in order to keep the best quality of life of the children and parents.The review also provides insight to recent advances in clinical features, genomic molecular diagnosis and prevention of retinal dystrophies.

BREMOND-GIGNAC D , ROBERT M

2361		11:00	Targeted NGS: an effective approach for molecular diagnosis of hereditary vitreoretinopathies *BURIN DES ROZIERS C , Rothschild PR , Barjol A , Clément CA , Edelson C , Derrien S , Metge F , Michau S , Robert M , Prévot C , Dollfus H , Layet V , Delphin N , Bernardelli M , Ghiotti T , Hanein S , Fourrage C , Bonnefont JP , Rozet JM , Brézin A , Caputo G , Brémond-Gignac D , Valleix S - Paris*
2362		11:22	Update in low vision reeducation *ATILLA H - Ankara*
2363		11:44	Update in vitreoretinal diseases in children *ROTHSCHILD P - Paris*
2364		12:06	New insights on the anatomy and function of the retina in sickle cell disease *MARTIN GC , Brousse V , De Montalembert M , Albuisson E , Grevent D , Denier C , Michel S , Abadie V , Chalumeau M , Boddaert N , Bremond-Gignac D , Robert MP - Paris*

SIS

11:00 - 12:30 | GALLIENI 4

ACB - Knife or bowl - scleral contact lens in irregular cornea and ocular surface disease

Scleral Contact Lenses have evolved into a high-tech and versatile tool for the treatment in many different scenarios of ocular surface dysfunction and disease. They are custom made from novel materials according to the ocular surface topography of an individual patient and are much easier to fit and to wear than the historic scleral glass lenses. Sclerals are thus an ideal medical tool in the hands of the clinician for optical restoration of irregular corneas, in keratoconus, in severe dry eye disease and as a measure to improve or even heal corneal recurrent erosions, ulcers, opacities and scars without the need to undergo surgery or even keratoplasty. The aim of the present SIS is to evaluate and discuss the chances and limits of Scleral Contact Lenses in relation to surgical approaches.

KNOP E , MEKKI MB

2371		11:00	What makes ocular surface anatomy attractive for a scleral lens? *KNOP E - Berlin*
2372	✶	11:18	Scleral lens as lifeline for dissatisfied patients after refractive reshaping corneal surgery *MEKKI MB , Yahiaoui S , Titah O , Belaoudmou R - Algiers*
2373		11:36	Sclerals contact lenses in daily practise – When is it bowl and when knife? *ROSENBLATT M - Chicago*
2374		11:54	Scleral lenses - What we don't (but should) know *NAU A - Boston*
2375		12:12	SURGERY: When do I still prefer surgery instead of Sclerals ? *ROSENBLATT M - Chicago*

FP

11:00 - 12:30 | GALLIENI 5

COS - Corneal imaging & keratoconus

STACHS O , SZENTMARY N

2381		11:00	Rostock Cornea Module 2.0 - a versatile extension for anterior segment imaging *STACHS O , Sperlich K , Bohn S , Stolz H , Guthoff R - Rostock*
2382		11:12	Comparison of four technics of surface roughness assessment of corneal lamellar cuts *GAIN P , Jumelle C , Hamri A , Egaud G , Mauclair C , Reynaud S , Dumas S , Pereira S , Thuret G - Saint-Etienne*
2383		11:24	Revisiting corneal collagen crossliniking (CXL) safety: Evaluation of the effect of ultraviolet-A (UVA) radiation on the retina with multifocal electroretinogram (mf-ERG) and optical coherence tomography (OCT) *LAZARIDIS A , Tsamassiotis S , Besgen V , Sekundo W , Wenner Y , Droutsas K - Abu Dhabi*
2384		11:36	Long term outcome of Intrastromal corneal ring segment in keratoconus *KANG M J , Lee J H , Choi M H , Joo C K - Seoul*
2385	*rf*	11:48	Two photon microscopic findings of sonoporation-assisted enhancement of corneal penetration of fluoroquinolone antibiotics *LEE J A , Jeong H , Kim JY , Tchah H , Kim KH , Kim MJ - Seoul*
2386	*rf*	11:54	Hydrops: Not that bad! *MEKKI MB , Said Y , Okba T , Taibi A - Algiers*

CIS

12:40 - 13:40 | RHODES 2

Lunchtime CIS - Demodex under the spotlight

2431	12:40	Prevalence and clinical practice in management across Europe *KAYA S - Vienna*
2432	13:00	Detection of Demodex in the clinical setting *MARKOMICHELAKIS N - Athens*
2433	13:20	Presentations of case management *OZCAN AA - Adana*

KN

13:50 - 14:20 | HERMES

Keynote Lecture by Shomi BHATTACHARYA

THE GENETICS REVOLUTION AS SEEN THROUGH THE EYE

Shomi BHATTACHARYA - London

HERMES

13:50 Introduction by Francesca M. CORDEIRO

13:55 **The genetics revolution as seen through the eye**

Up to the early 1980s, a molecular understanding of the disease process for retinal dystrophies such as retinitis pigmentosa (RP) was almost nil. Given the complex nature of the retina, it was clear that significant clinical variability would exist but no clues that could explain the disease. Fortunately at this time molecular biology techniques were maturing that started the new genetics revolution and the field of ophthalmology saw the greatest progress in understanding the molecular basis of inherited retinopathies. A "reverse genetics" approach laid the foundation for the eventual isolation of the first gene for RP, namely 'rhodopsin' in 1989. Family based studies became the driving force that began unraveling the immense genetic heterogeneity defining retinal dystrophies. RP affects 1 in 3000 people worldwide. Initially the rod photoreceptor cells are affected leading to night-blindness and constriction of the visual field. In later stages cone cells may also die often resulting in total blindness. RP can be inherited as an autosomal dominant or autosomal recessive or X-linked trait. So far over 60 retina-specific as well as ubiquitously expressed genes have been implicated, describing a wide variety of functions including enzymes, structural proteins, transcription factors and splicing factors. Taken together that include RP, cone-rod dystrophy, cone dystrophy and a variety of macular dystrophies, well over 250 genes have been identified so far (RetNet, http://www.sph.uth.tmc.edu/Retnet/), underpinning a real advance in our knowledge of retinal dystrophies. This knowledge is steadily leading the way to developing exciting new genetic therapies for these incurable diseases.

14:20 *Award presentation of the EVER Certificate of Honour*

Biography of Prof. Shomi BHATTACHARYA:

Shomi Bhattacharya graduated in Chemistry from University of Mumbai in 1969 and then came to UK in 1970. He completed his M.Sc. in 1971 followed by Ph.D. from University of Newcastle upon Tyne in 1977. In 1980 he joined University of Edinburgh where in 1984 identified the first genetic locus for retinitis pigmentosa (RP). In 1986 he started his own research group and in 1987 he returned to Newcastle where he was appointed as head of Molecular Genetics in the department of Human Genetics.

In 1992 he joined the Institute of Ophthalmology in London as Sembal Professor of Experimental Ophthalmology. Shomi retired in January 2016 and is now an Emeritus Professor of Ophthalmology at UCL. He is currently appointed as a Distinguished Researcher & Principal Investigator at the Andalusian Centre of Molecular Biology & Regenerative Medicine (CABIMER) in Seville, Spain. He was Director of CABIMER from 2008 to 2016.

Prof Bhattacharya received the Paul Kayser International Award of Merit in 1986 followed by the Alcon Research Institute Award in 1991. He was elected Fellow of the Academy of Medical Sciences (FMedSci) in 2001 and Fellow of the Royal Society of Edinburgh (FRSE) in 2006. He was awarded the Chair of Excellence in France in 2007 where he holds a Full Professor appointment at the Institut de la Vision, Paris.

His major research interests are in gene mapping and gene identification of inherited eye diseases. His notable achievements have been in gene identification for retinal degeneration (NRL, PRPF31, 3 & 8, CRB1, AIPL1,TOPORS, EYS, GCAP1, CRX and RetGC1), cataract (connexins 46 & 50, alpha-B crystallin and MIP) and dominant optic atrophy (OPA1). Established proof of principle of gene based therapy by the rescue of the rds mouse. His current research includes disease modeling in vitro in cell lines generated through iPSC technology and cell therapy. During the course of his academic career he has published over 375 peer-reviewed papers, two books, 15 book chapters and supervised 40 Ph.D. students.

14:30 - 16:00 | HERMES

RV/PBP - Topical delivery of therapeutics for retinal disease

The development of topically applied agents for retinal diseases is a potentially paradigm shift in treatments of many diseases. Multiple approaches have been tried, and agents are now in clinical trial for age related macular degeneration, diabetic retinopathy and other conditions. However, a clear understanding of the properties required to deliver agents from the ocular surface to the retina are still not clearly laid out, and proof of concept for therapeutic agents is still awaited. This session will explore the latest advances in understanding how agents can be designed to penetrate to the retina, and highlight some of the pitfalls with drug design that could hinder effective drug delivery.

BATES D

2611		14:30	Topical delivery for retinal angiogenesis - an overview of clinical developments *BATES D - Nottingham*
2612	*	15:00	Optimisation of novel small molecule inhibitors of SRPK1-mediated VEGF-A splicing through modelling of permeability properties required for trans-scleral eye drop delivery *BATSON J , Toop H , DAUBNEY J , Liddell S , Stewart E , Bourne J , Blackley Z , Morris J , Bates DO - Nottingham*
2613	*	15:30	Nanoparticle delivery for diabetic macular edema *STEFANSSON E - Reykjavik*

14:30 - 16:00 | RHODES 1

G - Simulated ocular surgery

Surgical training in the field of Ophthalmology is a complex process for both trainers and trainees. It requires a fine balance between allowing younger generations to adquire technical skills and the ethical requirements to provide the patient with the best possible medical treatment.
Centers throughout the world have been developing strategies to minimize both the steepness of the learning curve and the rate of surgical complications. One such strategy is simulated training. By allowing the trainee to test protocols, manual procedures and routines in a risk-free environment, the concept has been implemented in several areas of knowledge where the risks of malperforming are unacceptable (such as in the airline industry). In the field of Ophthalmology, this strategy has had several approaches, from virtual training to wet-lab facilities.
We expect from our SIS to have a shared experience between centers and to provide a discussion on the role simulated surgery can play in filling in the gap of the perceived lack of surgical training.

ABEGAO PINTO L , SUNARIC MEGEVAND G

2621	14:30	Simulation in flight safety - what can we learn from the airline industry? *DOW I - London*
2622	14:48	SOS - Simulated Ocular Surgery website and applications *MCNAUGHT A - Cheltenham*
2623	15:06	Real-life Experience with glaucoma surgical training using SOS eyes *MERCIECA K - Manchester*
2624	15:24	The Royal College of Ophthalmologists and Surgical Training Evolution in the UK *SPENCER F - Manchester*
2625	15:42	Simulation in Mainland Europe - the present and future *ABEGAO PINTO L - Lisbon*

SIS

14:30 - 16:00 | RHODES 2

IM - The new era of non-infectious uveitis treatment: from old concepts to new perspectives

PICHI F , ALBINI T

2631		14:30	Local steroidal treatments: what's new *LOWDER C - Cleveland*
2632	✶	14:52	New intraocular therapies for non-infectious uveitis *ALBINI T - Miami*
2633		15:14	Traditional immunesuppressive therapy: is there something we should know further? *PICHI F - Cleveland*
2634	✶	15:36	Biologic therapy: let the Copernican revolution begin! *NERI P , Gorgoni F , Gennari G , Cesari C - Agugliano*

SIS

14:30 - 16:00 | RHODES 3

EOVS/MBGE - Doctor, I don't like bright lights

A discussion of the investigation and management of the patient with photophobia.

HOLDER G , LEROY BP

2641	14:30	The first consultation *DE ZAEYTIJD J - Ghent*
2642	14:52	Photophobia in retinal disease *LEROY BP - Ghent*
2643	15:14	Photophobia in neuro-ophthalmic disorders *KAWASAKI A - Lausanne*
2644	15:36	The role of electrophysiology *HOLDER G - London*

C

14:30 - 16:00 | RHODES 4

PO - Tumors and pseudo-tumors of the iris : diagnosis and management ✶✶✶ Advanced

Diagnosis and management of iris tumors and pseudo-tumors in selected cases may be challenging.
The aim of this course is to describe the clinical presentation of the most frequent iris tumors and pseudo-tumors and to describe all possible therapeutic approaches as well as the management of secondary glaucoma which may be associated to the melanocytic tumors of the irido-ciliary complex.

ZOGRAFOS L , DESJARDINS L

2651	14:30	Tumors and pseudo-tumors of the iris: classification and imaging techniques *ZOGRAFOS L - Lausanne*
2652	14:48	Nevus, melanocytoma and melanoma: differential diagnosis *SHIELDS C - Philadelphia*
2653	15:06	Circumscribed irido-ciliary melanoma: surgery versus irradiation *DESJARDINS L , Cassoux N , LumbrosoLeRouic L , Dendale R - Paris*
2654	15:24	Diffuse iris melanoma: proton beam irradiation *SCHALENBOURG A - Lausanne*
2655	15:42	Pediatric tumors of the iris *HADJISTILIANOU T - Sienna*

SIS

14:30 - 16:00 | GALLIENI 1+2

NSPH - Update in pediatric anterior segment

Corneal dystrophies refer to a group of corneal diseases and that are genetically determined. Our understanding of corneal phenotype has improved with improving anterior segment imaging and early genotype-phenotype correlations. Primary corneal disease includes endothelial dystrophies, corneal dermoids, cornea plana, and kerato-irido-lenticular dysgenesis (also known as Peters anomaly, types 1 and 2). Other secondary developmental corneal diseases may include Axenfeld-Rieger syndrome, Aniridia, and primary congenital glaucoma, with specific genotype. The new molecular information is challenging the traditional thinking that was usually guided by the histopathological findings. Other secondary causes are acquired and include infection, trauma, and metabolic disorders. The new molecular information is challenging the traditional thinking that was usually guided by the histopathological findings. An overview of the innovating diagnosis and treatment are summarized.

BREMOND-GIGNAC D , ATILLA H

2661	14:30	Update in genetics of corneal dystrophies *Bourges JL , Burin des Roziers C , Beugnet C , Nedelec B , Hoffart L , Delbosc B , Muraine M , Hamel C , Lacombe D , Moriniere V , Fourrage C , Robert M , Bremond-Gignac D , VALLEIX S - Paris*
2662	14:52	Update in CHED *BREMOND-GIGNAC D - Paris*
2663	15:14	Peters anomaly new insights *ATILLA H - Ankara*
2664	15:36	Aqueous humor cytokines report in congenital cataract *SAUER A - Strasbourg*

FP

14:30 - 16:00 | GALLIENI 4
NSPH - Neuro-ophthalmology

YU-WAI-MAN P , SADUN A

2671		14:30	LHON: A look into nuclear and environmental factors; What is "sufficient"? *SADUN A , Ross-Cisneros F , Tian J , Anderson K , Irvine A , Karanjia R , La Morgia C , McManus M , Wallace D , Carelli V - Pasadena*
2672		14:42	Red light provides partial protection against retinal ganglion cell degeneration in a mouse model of dominant optic atrophy through the activation of NFkB *VOTRUBA M , Beirne K , Rozanowska M - Cardiff*
2673		14:54	In vitro modeling of aniridia-related PAX6 haploinsufficiency by the use of CRISPR/Cas9 on limbal epithelial cells *ROUX L , Concordet J P , Ferrigno O , Aberdam D - Paris*
2674		15:06	Optical coherence tomography in the differential diagnosis of true edema versus pseudoedema of the optic disc *GOZZI F , Aldigeri R , Mora P , Bianchi-Marzoli S , Barboni P , Gandolfi S , Farci R , Fossarello M , Incerti M , Carta A - Parma*
2675		15:18	Attitudes of parents toward eye care in children under 7 years old in the Republic of Ireland *CONWAY M , Subramanian A , O Donoghue E , Donaldson L - London*
2676		15:30	MabThera use and efficacy in patients with active moderate to severe Graves' Orbitopathy: a multicentre retrospective study of 40 cases *LEBRANCHU P , Deltour J B , Cariou B , Vabres B , D'Assigny M , Drui D - Nantes*

FP

14:30 - 16:00 | GALLIENI 5
MBGE - Retinal disorders and their treatment

LISKOVA P , DAVIDSON A

2681		14:30	Mutation detection of Pakistani families with autosomal recessive retinal dystrophies *RAVESH Z , Wissinger B , Ansar M - Tehran*
2682		14:42	A novel NR2E3 gene mutation in autosomal recessive retinitis pigmentosa with cystic maculopathy *MAHAJAN D , Votruba M - Shimla, Himachal Pradesh*
2683		14:54	Gene therapy targeting of choroidal disease and AAV transcytosis through the outer blood retina barrier epithelium *LAYTON C , Dhungel B , Andrzejewski S , Jayachandran A , Murali A , Ramlogan-Steel C , Steel J - Greenslopes*
2684		15:06	Characteristics, socioeconomic status and ethnic variations of primary idiopathic macular hole repair in vitreoretinal centers in the United Kingdom *VELISSARIS S , Papavasileiou E , Garnavou-Xirou C , Theodorou O , Zakir R , Duguid G , Sandinha T , Steel D , Jackson TL - London*
2685		15:18	Association between the retinal vascular network, cardiovascular history and risk factors in the elderly *ARNOULD L , Binquet C , Guenancia C , Kawasaki R , Daien V , Bron A , Creuzot-Garcher C - Dijon*
2686	*rf*	15:30	X-linked juvenile retinoschisis: different mutations – same phenotype *STRUPAITE R , Ambrozaityt L , Cimbalistien L , Ašoklis R , Utkus A - Vilnius*
2687	*rf*	15:36	Adaptive optics retinal imaging in patients with GNAT2 mutations *GEORGIOU M , Kalitzeos A , Michaelides M - London*

POS

16:00 - 17:00 | POSTER AREA

ACB: Anatomy/Cell Biology

Poster T001-T020

PETROVSKI G , KAARNIRANTA K

T001 Nature-inspired Nrf2 activators in retinal pigment epithelial cells: a source for therapeutics in age-related macular degeneration
AMADIO M , Serafini MM , Marchesi N , Catanzaro M , Fagiani F , Simoni E , Pascale A , Rosini M , Lanni C - Pavia

T002 Nrf-2 and PGC1-alpha deletion affects ultrastructural changes in retinal pigmented epithelium associated with the changes of oxidative stress and autophagy markers expression pattern in compound null mice
Kivinen N , Viiri J , Koskela A , Kettunen M , Koistinen A , Winiarczyk M , Kauppinen A , Kaarniranta K , FELSZEGHY S - Kuopio

T003 Nrf-2 and PGC1-alpha deletion affects ultrastructural changes in retinal pigmented epithelium associated with the changes of oxidative stress and autophagy markers expression pattern in compound null mice
KIVINEN N , Viiri J , Koskela A , Kettunen M , Koistinen A , Winiarczyk M , Kauppinen A , Kaarniranta K , Felszeghy S - Kuopio

T004 *rf* Effects of HSP90 inhibitor TAS-116 on the inflammasome activation in ARPE-19 cells
RANTA-AHO S , Piippo N , Korhonen E , Hytti M , Kinnunen K , Kaarniranta K , Kauppinen A - Kuopio

T005 Autophagy induction decreases protein aggregation in response to polyphenolic pinosylvin and heat shock exposures in ARPE-19 cells
AMIRKAVEI M , Koskela A , Koskelainen A , Kaarniranta K - Kuopio

T006 *rf* Loss of Nrf-2 and PGC1-alpha genes changes macromorphology of the eye and evokes microstructural and pigmentation pattern changes of the retinal pigmented epithelium
FELSZEGHY S , Viiri J , Koskela A , Paterno J , Kettunen M , Jokivarsi K , Kaarniranta K - Kuopio

T007 Serum adiponectin associates with aging rather than neovascular AMD
PATERNO JJ , Kauppinen A , Kaarniranta K - Kuopio

T008 *rf* Modulation of the rod outer segment aerobic metabolism diminishes the production of radicals due to light absorption
PANFOLI I , Calzia D , Degan P , Caicci F , Manni L , Traverso CE - Genova

T009 *rf* Protective effects of sulforaphane on STZ-induced diabetic retinopathy via activation of Nrf2/HO-1 antioxidant pathway and inhibition of NADPH oxidase
HE M , Luan L , Zhang Y , Nan Y - Beijing

T010 Differential hypoxic response of human choroidal and retinal endothelial cells proposes tissue heterogeneity of ocular angiogenesis
ANDRE H , Mammadzada P , Gudmundsson J , Kvanta A - Stockholm

T011 Human ex vivo model of iris angiogenesis
ANDRE H , Pesce N , Plastino F , Kvanta A - Stockholm

T012 *rf* A novel in vivo model of puncture-induced iris neovascularization
LOCRI F , Beaujean O , Aronsson M , Kvanta A , André H - Stockholm

T013 *rf* The supportive role of interferon- in retinal differentiation of mesenchymal stem cells
HERMANKOVA B , Kossl J , Javorkova E , Bohacova P , Hajkova M , Zajicova A , Krulova M , Holan V - Prague

T014 Can optical coherence tomography be used in lacrimal gland imaging?
MRAZOVAC D , Juri Mandic J , Ivkic PK , Mandic K , Jukic T - Zagreb

T015 *rf* The 8-fold quadrant dissection method for ex vivo human interventional retinal experimentation
MURALI A , Ramlogan-Steel C , Andrzejewski S , Dhungel B , Steel J , Layton C - Brisbane

POS

16:00 - 17:00 | POSTER AREA

ACB: Anatomy/Cell Biology

Poster T001-T020

PETROVSKI G , KAARNIRANTA K

T016 The investigation of the distribution of nerves, blood vessels and immune cells on the fresh human corneal surface using optimized protocols for immunostaining of flat mounted whole cornea
HE Z , Guindolet D , Forest F , Cognasse F , Acquart S , Perrache C , Gabison E , Bergandi F , Gain P , Thuret G - Saint-Etienne

T017 *rf* Remote ischemia affects the diameter of larger retinal vessels in normal persons
EL DABAGH Y , Petersen L , Pedersen M , Bek T - Aarhus C

T018 An educational information platform on the ocular surface and dry eye disease - OSCB-Berlin.org
KNOP E , Knop N - Berlin

T019 A holistic dynamic concept on the pathophysiology in dry eye disease
KNOP E , Knop N - Berlin

T020 Macrogilal retinal cells show a bilateral early activation in a mouse model of unilateral laser-induced experimental glaucoma
Salazar JJ , De Hoz R , Ramirez A I , SALOBRAR-GARCIA E , Rojas B , VidalSanz M , Triviño A , Ramirez JM - Madrid

POS

16:00 - 17:00 | POSTER AREA

NSPH: Neuro-ophthalmology/Strabismology/Paediatric/History

Poster T021-T060

KARANJIA R , CARELLI V

T021 Assessment of the visual acuity, contrast sensitivity, color vision and visual integration in the Alzheimer's Disease progression according to the scale GDS
SALOBRAR-GARCIA E , Hurtado L , Lopez-Cuenca I , De Hoz R , Salazar J J , Ramirez AI , Yubero R , Gil P , Ramirez JM - Madrid

T022 Thickness mapping of individual retinal layers and sectors by Spectralis SD-OCT in Autosomal Dominant Optic Atrophy
CORAJEVIC N , Larsen M , Rönnbäck C - Copenhagen N

T023 Optical coherence tomograpy in cerebral amyloidosis
VAN KEER K , Schaeverbeke J , Barbosa Breda J , Evenepoel C , Abegão Pinto L , Stalmans I , Vandenberghe R , Vandewalle E - Leuven

T024 Changes in visual function and retinal structure in patients with manic-depressive illness or bipolar disorder
ORDUNA HOSPITAL E , Vilades Palomar E , Cipres M , Obis J , Rodrigo MJ , Satue M , Garcia-Martin E - Zaragoza

T025 Macular thickness changes using spectral-domain optical coherence tomography automated layer segmentation in multiple sclerosis
BARATA A , Leal I , Sousa F , Teixeira F , Henriques J , Pinto F - Lisboa

T026 Reduction in subfoveal choroidal thickness and peripapillary retinal thickness after high-dose melphalan therapy followed by autologous peripheral blood stem cell transplantation in a patient with POEMS syndrome
HIROTAKA Y , Toshiyuki O , Takayuki B , Shuichi Y - Chiba

T027 Retinal nerve fibre layer thickness associates with cognitive impairment and physical disability in multiple sclerosis
BIRKELDH U , Zahavi O , Manouchehrinia A , Hietala A , Hillert J , Wahlberg-Ramsay M , Brautaset R , Nilsson M - Stockholm

T028 Swept-Source OCT utilised to compare the choroidal thickness of the peripapillary area between patients with Parkinson´s disease and healthy subjects
OBIS J , Garcia-Martin E , Satue M , Rodrigo MJ , Cipres M , Vilades E , Orduna E - Zaragoza

T029 Neuro-retinal changes evaluation in multiple sclerosis patients: 10 years follow-up
Rodrigo MJ , Garcia-Martin E , Orduna E , VILADES E , Satue M , Cipres M , Obis J - Zaragoza

T030 Choroidal changes in patients with multiple sclerosis
Rodrigo MJ , Garcia-Martin E , Orduna E , Obis J , Cipres M , VILADES E , Satue M - Zaragoza

T031 Reproducibility of the measurements taken with swept source optical coherence tomography
ORDUNA HOSPITAL E , Vilades Palomar E , Cipres M , Obis J , Rodrigo MJ , Satue M , Garcia-Martin E - Zaragoza

T032 Choroidal thickness measurements around the optic disc in healthy subjects using Swept-Source optical coherence device
CIPRES ALASTUEY M , García Martín E , Bambó Rubio MP , Vilades Palomar E , Rodrigo Sanjuan MJ , Satué Palacián M , Orduna Hospital E , Obis Alfaro J - Zaragoza

T033 Optical coherence tomography outcomes in patients with Friedreich ataxia
ROJAS LOZANO P , Ferreras Amez A , Monsalve B , García-Salobrar E , Muñoz Blanco JL , Urcelay JL , Salazar JJ , Ramirez AI , De Hoz R , Ramírez JM - Madrid

T034 Visual impairment in combined pathology: multiple sclerosis and pituitary adenoma
IOYLEVA E , Makarenko I - Moscow

POS

16:00 - 17:00 | POSTER AREA

NSPH: Neuro-ophthalmology/Strabismology/Paediatric/History

Poster T021-T060

KARANJIA R , CARELLI V

T035 Correlation between electrophysiological test and visual dysfunction in multiple sclerosis patients
VILDADES PALOMAR E , Orduna Hospital E , Ciprés M , Obis J , Rodrigo SanJuan MJ , Satué Palacian M , Garcia-Martin E - Zaragoza

T036 Multifocal electroretinogram and optical coherence tomography to evaluate parafoveal fixation
VILADES PALOMAR E , Orduna Hospital E , Ciprés M , Obis J , Rodrigo SanJuan MJ , Satué M , Garcia-Martin E - Zaragoza

T037 Visual function in multiple sclerosis patients treated with Fingolimob during two years of follow-up
CIPRES ALASTUEY M , García Martín E , Bambó Rubio MP , Vilades Palomar E , Satué Palacián M , Obis Alfaro J , Rodrigo Sanjuan MJ , Orduna Hospital E - Zaragoza

T038 Cabin pressure aboard commercial aircraft and non-arteritic ischemic optic neuropathy
NAZARALI S , Liu H , Syed M , Ter-Zakarian A , Karanjia R , Sadun AA - Ottawa

T039 Differences in onset between eyes in patients with Leber's Hereditary Optic Neuropathy (LHON)
LIU H , La Morgia C , Di Vito L , Nazarali S , Gauthier I , Syed M , Chahal J , Ammar M , Carbonelli M , De Negri AM , Sadun A , Carelli V , Karanjia R - Ottawa

T040 ✶ Clinical experience with idebenone in the treatment of patients harboring rare mutations related to Leber's Hereditary Optic Neuropathy (LHON)
LLORIA X , Catarino C , Downes S , Vincent A , Matloob S , Silva M , Klopstock T - Liestal

T041 ✶ Idebenone is effective and well tolerated in Leber's Hereditary Optic Neuropathy (LHON): Long-term results of real world clinical practice
LLORIA X , Catarino C , Silva M , Klopstock T - Liestal

T042 Optical coherence tomography angiography of the peripapillary retina and optic nerve head in Wolfram syndrome
HASSAIRI A , Falfoul Y , Matri K , Regai E , Chebil A , El Matri L - Tunis

T043 Ophtara centers of expertise in France: Fostering collaborative research and patient care for rare eye diseases
BREMOND-GIGNAC D , Mincheva Z , De Vergnes N , Valleix S , Robert M , SENSGENE Network Team T , OPHTARA Network Team T - Paris

T044 Microperimetry by optic nerve atrophy
IOYLEVA E , Krivosheeva M - Moscow

T045 ✶ Clinical applications of a visual field perimeter with binocular video imaging
CHARLIER J - Perenchies

T046 Comparative investigation of compression optic neuropathy of Grvaves orbitopahty(GO) as emergency orbital decompression
TAGAMI M , Kusuhara S , Azumi A - Kobe

T047 Prediction of ophthalmological problems in 6.5 year-old prematurely born children
HOLMSTROM G , Hreinsdottir J , Kaul Fredriksson Y , Von Hofsten C , Rosander K , Hellström Westas L - Uppsala

T048 Comparison of traditional training and push-pull training for the binocular visual function in anisometropic amblyopia
FU J , Hong J , Zhao B - Beijing

T049 Visual status of patient with syndrome of Moebius
BUSHUYEVA N , Romanenko D , Dukhayer S - Odessa

T050 Magnetic resonance imaging features in moebius syndrome: a pilot study
CARTA A , Piccinini S , Ormitti F , Mora P , Gandolfi S , Ruoli F , Simonelli MB , Incerti M , Nicoletti P - Parma

POS

16:00 - 17:00 | POSTER AREA

NSPH: Neuro-ophthalmology/Strabismology/Paediatric/History

Poster T021-T060

KARANJIA R , CARELLI V

T051		Clinical features of strabismus and nystagmus in bilateral congenital cataract *LEE S J , Sung Soo H , Jung Min P - Busan*
T052		Treatment with prism glasses for overcorrection after surgery for exotropia in children *CHANG HR - Seoul*
T053		Comparison between over-glasses patching and conventional patching for children with moderate amblyopia : a prospective randomized clinical trial *KIM SJ , Lee SU , Jeon HS , Jung JH , Choi HY - Changwon-si*
T054	✶	A method for a rapid objective measurement of eye deviation angle in both strabismus and phoria *YEHEZKEL O , Spierer A , Oz D , Yam R , Belkin M - Airport City*
T055		Redistribution within retinal layers of the central fovea in preterms with developmental arrest *SJOSTRAND J , Popovic Z - Mölndal*
T056		Enhanced visual attentional modulation in patients with inherited peripheral retinal degeneration in the absence of cortical degeneration *Ferreira S , Andreia P , Quendera B , Silva E , Reis A , CASTELO-BRANCO M - Coimbra*
T057		Slit lamp assessment of relative afferent pupillary defect *MEKKI M B - Algiers*
T058		Case of IgG4-related eye disease accompanied by compressive optic neuropathy *TAKEISHI M , Oshitari T , Ota S , Chiba A , Yamamoto S - Chiba*
T059		Spectral-domain optical coherence tomography of optic nerve after closed eye injury *IOYLEVA E , Zelentsov K , Zelentsov S , Duginov A , Ankundinov A - Moscow*
T060		An intraocular foreign body detection using swept-source OCT *BERNIOLLES J , Marco Monzon S , Ascaso Puyuelo A , Bartolomé Sesé MI , Martínez Vélez M , Esteban Floria O , Sánchez JI , Idoate Domench A , López Sangrós I , Ibáñez Alperte J - Zaragoza*

POS

16:00 - 17:00 | POSTER AREA

EOVS: Electrophysiology, physiological Optics, Vision Sciences

Poster T061-T069

CTORI I , KEUKEN JG

T061	Can the retina be used to diagnose and plot the progression of Alzheimer's disease? *MAHAJAN D , Votruba M - Shimla, Himachal Pradesh*
T062	The proportion of microsaccadic overshoot and the influence of accomodation on the quantitative measures of microsaccades in fourteen normal test persons *VISBY E , Møller F - Vejle*
T063	Correlations of retinal thickness with frequency-doubling technology perimetry in older healthy subjects *PEREZ CARRASCO MJ , Palomo-Alvarez C , Chozas-Enrique J , Gómez-García S , Ayala-Ayerbes M , Puell MC - Madrid*
T064	Timing of changes in the entropy of the electroretinogram with glaucoma *SAROSSY M , Aliahmad B , Kumar D - Moonee Ponds*
T065	Across-frequency impairment in seeing a temporal gap *HIROSE N , Okuda Y , Mori S - Fukuoka*
T066	Changes in the electromyography of the lateral and medial muscles after the electrostimulation treatment of lateral muscles in children with convergent concomitant strabismus *BOYCHUK I , Mazur V - Odessa*
T067	The time course of contrast sensitivity recovery after a pigment bleaching is delayed in subjects with abdominal obesity *PUELL M , Jemni N , Veselinova-Nikolova A , Fernández-Balbuena A - Madrid*
T068	AMD drusenoid deposits "L", lipid type: morphology, volume, evolution analysis with morphology-structural software *GONZALEZ C - Toulouse*
T069	AMD drusenoid deposits "P", protein-cellular type: volume, morphology, evolution analysis with morphology-structural software *GONZALEZ C - Toulouse*

POS

16:00 - 17:00 | POSTER AREA

IM: Immunology/Microbiology

Poster T070-T090

WILLERMAIN F , DICK A

T070 ✷ Effect of microglia suppression on branch retinal vein occlusion in mice
JOVANOVIC J , Ebneter A , Kokona D , Zinkernagel MS - Bern

T071 Panton-Valentine leukocidin enhances glial reaction and microglial apoptosis through retinal ganglion and amacrine cell binding
LIU X , Gaucher D , Prevost G , Heitz P , Roux MJ , Keller D , Sauer A - Strasbourg

T072 *rf* Inflammatory markers but not symptoms are a strong predictor of temporal artery biopsy outcome – the Portsmouth experience
MEREDITH PR , Sepetis A , Balendra S , Jawed M , Lockwood A J , Maclean H - Portsmouth

T073 The effect of autoimmune retinopathy on retinal vessel oxygen saturation in patients with and without clinical features of retinitis pigmentosa
WAIZEL M , Türksever C , Rickmann A , Todorova MG - Basel

T074 Unilateral retinal vasculopathy in systemic lupus erythematosus
BARTOLOME I , Berniolles Alcalde J , Idoate Domench A , Sanchez Marin JI , Lopez Sangrós I , Marco Monzón S , Esteban Floria O , Martinez Velez M , Lara Medina FJ , Ispa Callen C , Ibañez Alperte J , Ascaso Puyuelo FJ - Zaragoza

T075 Fuchs' uveitis masquerading as a Behçet related anterior uveitis
CLAEYS M , Sys C , Leroy BP , De Schryver I - Ghent

T076 Towards a new therapy concept for acute microbial karatides, including Acanthamoebae
STORSBERG J , Schmidt C , Plog C , Höfer P , Klöpzig S , Rehfeldt S , Sel S - Potsdam

T077 Efficacy of tumour necrosis factor inhibitors in peripheral ulcerative keratitis in Granulomatosis with polyangiitis
VERLY E , De Kock J , Leroy B P , Sys C , De Schryver I - Ghent

T078 Orbital lymphoma presenting as a recurrence of posterior scleritis after treatment with adalimumab
DEROO L , Vermeersch H , Willaert R , De Keyzer F , Vanneuville B , De Schryver I - Gent

T079 Adalimumab as an alternative treatment in Serpiginous Choroiditis
Sánchez Marín JI , Idoate Domench A , Pérez Navarro I , Bartolomé Sesé I , Berniolles Alcalde J , Marco Monzón S , López Sangrós I , Ibáñez Alperte J , ASCASO PUYUEL FJ - Zaragoza

T080 *rf* INFLIXIMAB and ADALIMUMAB in uveitic macular edema
LEJOYEUX R , Diwo E , Vallet H , Bodaghi B , Le Hoang P , Fardeau C - Paris

T081 Immunosuppression for uveal effusion syndrome – a report of two cases
STANISZEWSKI B , Forrester J V , Kuffova L - Aberdeen

T082 A case of recurrent bilateral optic oedema in tubulo-interstitial nephritis and uveitis syndrome treated with plasmapheresis
DHAESE S , Dehoorne J , Willemot JB , Sys C , Leroy BP , Vande Walle J , De Schryver I - Ghent

T083 ✷ Post-marketing surveillance study of the safety of dexamethasone intravitreal implant (DEX) in patients with retinal vein occlusion (RVO) or noninfectious posterior segment uveitis (NIPSU)
GAJATE NM , Tufail A , Lightman S , Kamal A , Pleyer U , Dot C , Li XY , Jiao J , Lou J , Hashad Y - Burgos

POS

16:00 - 17:00 | POSTER AREA

IM: Immunology/Microbiology

Poster T070-T090

WILLERMAIN F , DICK A

T084	*rf*	Portuguese prescription patterns of topical antibiotics in Ophthalmology: a yearlong analysis *SOUSA DC , Leal I , Nascimento N , Abegão Pinto L , Marques-Neves C - Lisboa*
T085		Intravitreal ranibizumab treatment in choroidal neovascularization secondary to ocular toxoplasmosis in children *Sánchez Marín JI , Idoate Domench A , Pérez Navarro I , Berniolles Alcalde J , Bartolomé Sesé S , López Sangrós I , Marco Monzón S , Ibáñez Alperte J , ASCASO PUYUELO FJ - Zaragoza*
T086		Inflammatory choroidal neovascularization imaged by optical coherence tomography – angiography *DIWO E , Coscas F , Massamba N , Bodaghi B - Paris*
T087		Superficial and deep retinal foveal avascular zone OCT-A findings of non-infectious anterior and posterior uveitis compared to healthy controls *WAIZEL M , Todorova MG , Terrada C , Massamba N , LeHoang P , Bodaghi B - Basel*
T088		Macular study on SD-OCT in sarcoidosis uveitis at active and sequelae phases *BOULADI M , Nafaa F , Bouraoui R , Limaiem R , Chaker N , Mghaieth F , El Matri L - Tunis*
T089		Use of wide-field fluorescein angiography in the diagnosis and management of sarcoidosis uveitis *BOULADI M , Hassairi A , Bouraoui R , Kort F , Limaiem R , Mghaieth F , El Matri L - Tunis*
T090		A new model of fundus autofluorescence time evolution in multiple evanescent white dot syndrome *SOJKA-LESZCZYNSKA P , Leszczy ski B , Kubicka-Trz ska A , Romanowska-Dixon B - Kraków*

SOC

16:00 - 17:00 | POSTER AREA

Coffee with Profs

Coffee with the Profs

In an initiative to encourage dialogue amongst speakers and EVER members, we have organised a session called "Coffee with Profs". This will be a table of 6-8 "guests" at a table headed by one of the EVER speakers: **Alfredo Sadun**, **Michael Belkin**, a.o. The idea is to provide a casual yet personal venue where colleagues, in particular the younger faction, can share comments and ideas with an expert.

17:00 - 18:30 | HERMES

RV - Macular interface surgery

PAPPAS G , POURNARAS J-A

2711		17:00	ERM management *TRANOS P - Thessaloniki*
2712		17:12	Partial thickness Macular holes and pharmaceutical treatment of FTMH *POURNARAS JA - Lausanne*
2713	✶	17:24	Surgical techniques for failed/difficult macular holes *OZDEK SO - Ankara*
2714		17:36	Retinal re-modelling following ILM flap technique for FTMH *STAPPLER T , Hussain R , Heimann H , Wong D - Liverpool*
2715		17:48	Pathophysiology of macular interface *KALEMAKI M - Heraklion*
2716		18:00	New technologies in the investigation of macular interface disorders *TSAKPINIS D , Pappas G - Thessaloniki*
2717		18:12	Non-surgical treatment of idiopathic macular hole (IMH) *XIROU T - Glyfada*

17:00 - 18:30 | RHODES 1

G - Innovations in glaucoma surgery

This section will aim to give an update in the exciting and innovative field of glaucoma surgery, with a focus on minimally invasive glaucoma surgery.

RATNARAJAN G , KERR N

2721	✶	17:00	Schlemm canal stenting *KERR N - Victoria*
2722		17:18	Supra-choroidal outflow *SHAARAWY T - Lausanne*
2723		17:36	Newer goniotomy devices *VARMA D - Oakville*
2724		17:54	Sub-conjunctival drainage *RATNARAJAN G - East Grinstead*
2725		18:12	Non-penetrating glaucoma surgery *MERMOUD C - Genève*

SIS

17:00 - 18:30 | RHODES 2

PO/IM - Ocular toxicity of targeted therapies

Molecularly targeted agents are commonly used in oncology practice, and many new targeted agents are currently being tested in clinical trials. Many of the molecules targeted by anticancer agents are also expressed in ocular tissues, causing frequent and potentially severe ocular adverse events. Ophthalmologists should have high indexes of suspicion to diagnose and treat these complications promptly. The aim of this SIS is to discuss the proposed pathogenesis, monitoring guidelines, and management recommendations. Special attention will be given to the clinical and molecular features of MEKi-related retinopathy.

ANGI M , NERI P

2731	17:00	Why the eye? Current understanding on the pathogenesis of ocular toxicities *NERI P , Nicolai M , Bisceglia P - Agugliano*
2732	17:22	What to look for? Monitoring guidelines *ANGI M - Milan*
2733	17:44	What to do? Management recommendations *DAMATO EM - Birmingham*
2734	18:06	MEKi-related retinopathy *JAGER MJ , Van Dijk EHC , Van Herpen CML , Marinkovic M , Luyten GP , Kapiteijn EH , Boon CJ - Oegstgeest*

SIS

17:00 - 18:30 | RHODES 3

LC/EOVS - Refractive development - from newborn to old age

The prevalence of refractive error in Europe and the world has become a major research topic. Here it is important to discuss the definition and mechanisms of emmetropisation. Biometry of the human eye is key for understanding such processes, feeding into patient diagnosis and treatment. This symposium will present evidence on biometric and optical changes with age and their differences with gender. As such biometry is the backbone of our understanding of "normal", a specific emphasis of the Symposium is placed on life-long lens changes. Myopia has become a major public health concern, with prevalence rates rising in several countries, most notably in urban East Asia. The etiology for the development of myopia is diverse, including genetics and environmental factors such as near work versus outdoor activity. This Special Interest Symposium will give an overview about the refractive development from childhood to adulthood, highlighting the unresolved questions which will define future research. comments::It would be best if the symposium came early in the conference - especially as EVER is promoting Vision Science.

MICHAEL R , RAUSCHER F

2741	✶	17:00	The epidemiology of refraction *OHLENDORF A - Tübingen*
2742		17:18	What do we really mean by emmetropisation *MORGAN I - Ainslie*
2743		17:36	Changes in normal ocular biometry and optics with age *ROZEMA J - Edegem*
2744		17:54	Age related changes of the crystalline lens *NAVARRO R - Madrid*
2745		18:12	Myopia - biological mechanisms and unresolved questions *SCHAEFFEL F - Tübingen*

C

17:00 - 18:30 | RHODES 4

✶✶ Intermediate

COS - An update on corneal infectious diseases

Acanthamoeba keratitis, infectious crystalline keratopathy, fungal keratitis and atypical mycobacterial keratitis have emerged as important types of infectious keratitis. These corneal infections have often been associated with contact lens wear, with corneal surgery such as radial keratotomy or penetrating keratoplasty and with the uncontrolled use of topical steroids. The clinical setting of each of these infections is important in alerting the clinician to the possible diagnosis. There have been improvements in rapid diagnostic techniques for such infections in the last years. Treatment has also improved, but remains a difficult problem, especially for Acanthamoeba. In this course, we'll give you an overview of recent developments in the clinical and histopathologic methods for diagnosis and treatment options of these corneal infections. We will also see how new techniques such as Amniotic Membrane Transplantation and Crosslinking can help the clinician, when facing severe cases.

GICQUEL J , DUA HS

2751	17:00	Corneal bacterial infections: A practical approach *GICQUEL JJ - Saint Jean d'Angély*
2752	17:22	Herpes and Zoster infections update *LABETOULLE M - Le Kremlin Bicêtre*
2753	17:44	The particularities of corneal infectious diseases in children *BREMOND-GIGNAC D - Paris*
2754	18:06	New emerging treatments in severe corneal infectious diseases *DUA HS - Nottingham*

SIS

17:00 - 18:30 | GALLIENI 1+2

ACB - Ocular surface, inflamation and wound healing. proteomics and molecular biology

Due to the delicate and sensitive structures of the eye, inflammation and wound healing are playing an essential role in ophthalmology. They are complex interacting processes involved in the pathogenesis of many eye diseases, trauma and ocular surgery. In the maintenance of the fine homeostasis of ocular surfaces, cornea, conjunctiva and lacrimal glands are interacting via nervous system, growth factors and cytokines regulating several mechanisms like tear fluid secretion, cell differentiation, tissue regeneration, inflammation and wound healing. Tear proteomics is a novel approach to study the mechanisms involved in disease processes and to find clinically relevant biomarkers for diagnostics and for the development of novel therapeutic interventions in clinical studies.

UUSITALO H , BEUERMAN R

2761	17:00	Principles of wound healing - knowledge transfer to cornea *JARVINEN T - Tampere*
2762	17:22	Inflammatory biomarkers of the tear proteome in anterior segment disease *BEUERMAN R , Zhou L - Singapore*
2763	17:44	Cornea and lacrimal gland synergy, a corner stone for a healthy vision *MICHON F - Helsinki*
2764	18:06	Proteomics as a tool for stem cell research in the anterior segment of eye *MIKHAILOVA A - Tampere*

C

17:00 - 18:30 | GALLIENI 4

YOS - The ABC of fellowship opportunities - what to expect, where to go and how to pay for it?

★ Beginner

This course will include four short lectures covering the ins and outs of clinical/research fellowships in Europe and how they can be seen from different angles, followed by interactive small group discussions, where interested attendees can see their questions answered by someone who has been or is currently doing a fellowship. The lectures will cover the fellowship as a whole, starting from the search process, going through funding and applying, understanding what hosts expect from the fellow, and finally how to make the most out of the experience. This session will end with a short wrap up and will be followed by a YOS Café Soirée, where participants can then continue to mingle and get to know each other over some drinks and food.

JOHANNESSON G

2771	17:00	Show me the money - funding opportunities for fellowships *BARBOSA BREDA J - Porto*
2772	17:30	Choosing your fellowship and getting the most out of it - advice from Fellows *SOUSA C , Barbosa Breda J - Porto*
2773	18:00	Choosing your fellowship and getting the most out of it - advice from Fellows *LUKIC M - London*

FP

17:00 - 18:30 | GALLIENI 5

MBGE - Miscellaneous

DAVIDSON A , VOTRUBA M

2781		17:00	Novel genes associated with isolated optic nerve hypoplasia in 6 family trios - a clinical and exome study *BITOUN P , Boland Auge A , Bacq Daian D , Plpiras E , Benzacken B , Kuzbari S , Renault V , Parfait B , Deleuze J F - Paris*
2782		17:12	The RaDiCo AC-OEIL : a French rare disease cohort dedicated to ocular developmental anomalies in children *CALVAS P , Jamot L , Weinbach J , Chassaing N , RaDiCo Team T , Sensgene & AnDDi-rare Networks OBO - Toulouse*
2783		17:24	Mutation in the Crybb1 gene encoding beta-B1-crystallin leads to recessive cataracts in the mouse *GRAW J , Amarie O , Kumar D , Scheideler A , Hrabé de Angelis M , Przemeck G , Sabrautzki S - Neuherberg*
2784		17:36	Segregation of novel p.(Ser270Tyr) MAF mutation and p.(Tyr56*) CRYGD variant in a family with dominantly inherited congenital cataracts *LISKOVA P , Dudakova L , Stranecky V , Hlavova E , Vincent A - Prague*
2785	*rf*	17:48	Ocular traumas in the Finnish elderly- Helsinki Ocular Trauma (HOT) Study *SAHRARAVAND A , Haavisto AK , Holopainen JM , Leivo T - Helsinki*
2786	*rf*	17:54	Directed migration of retinal astrocytes by PDGF signaling *TAO C , Zhang X - New York*
2787	*rf*	18:00	Genetic evidence for the role of ultraviolet radiation in the pathogenesis of uveal melanoma *Goh A , RAMLOGAN-STEEL C , Jayachandran A , Steel J , Layton C - Brisbane*
2788	*rf*	18:06	Recurrent corneal erosions dystrophy (ERED) in a Finnish family is caused by a COL17A1 splice-altering mutation *TURUNEN J , Tuisku I , Reetta-Stiina J , Kivelä T - Helsinki*

SIS

18:30 - 19:30 | RHODES 2

Evening SIS - Objectivity in dry eyes assessment

DUA HS

2831	18:30	Objective assessment of the superficial ocular surface and tear film in dry eye *DUA HS - Nottingham*
2832	18:50	Bioprotection in dry eye: pre-clinical evidences *LABETOULLE M - Le Kremlin Bicêtre*
2833	19:10	The effects of Treahalose/sodium hyaluronate eyedrops on biomarkers *VERSURA P - Bologna*

EVER 2017
FRIDAY
SEPT 29

SIS

8:30 - 10:00 | HERMES

RV - Tips and tricks for young vitreoretinal surgeons

A video- guided multiple- case presentation. To begin with, simple canula insertion tips and possible failures of canula insertion and canula displacement will be presented as well as several tricks for young vitreoretinal surgeons. Macular surgery will follow. This symposium is to introduce new advances in macular hole surgery, as the inverted ILM flap technique. Additionally new advances in macular oedema surgery, as subretinal fluid injection will be shown. Several tricks will be presented in proliferative vitreoretinopathy, retinal detachment surgery, endophthalmitis and giant retinal tear. Moreover, the session includes tips and tricks in pediatric vitreoretinal surgery.

MICHALEWSKA Z , OZDEK SO

3111		8:30	Tips and tricks in open globe injuries (management of intraocular foreign bodies) *DURUKAN H - Ankara*
3112	✶	8:48	Tips and tricks in pediatric retina surgery *OZDEK SO - Ankara*
3113	✶	9:06	Tips and tricks in macula surgery *MICHALEWSKA Z , Nawrocki J - Lodz*
3114		9:24	Retinectomy and silicone oil in PVR surgery-pearls and tricks *ACAR N - Istanbul*
3115		9:42	Advanced vitreoretinal surgery *KOCH P - Bruxelles*

SIS

8:30 - 10:00 | RHODES 1

G/COS - Corneal nerve imaging using ivcm: techniques and clinical applications

The cornea is the most densely innervated tissue in human body. Corneal innervation is part of the lachrymal functional unit and is of utmost importance for the physiology of the ocular surface. Corneal nerves are affected by ocular surface pathologies and chronic treatments such as glaucoma medications. Besides, corneal nerve imaging using IVCM is useful for early detection and assessment of the progression of systemic diseases with peripheral neuropathies. It is considered as a surrogate marker in the evaluation of small fiber peripheral neuropathy, such as diabetic neuropathy or other rarer causes of SFN.
Corneal nerve imaging using IVCM is now able to provide qualitative and quantitative evaluation of corneal innervation. This symposium will in one hand explore the latest technical developments used to assess corneal innervation, such as automation of image analysis, and mosaicking the sub-basal nerve plexus, and in the other hand give some examples of clinical application in the field of glaucoma and ocular surface diseases and in polyneuropathies.

ROUSSEAU A , MALIK R

3121		8:30	Automatic tool for quantification of nerve fibres in corneal confocal microscopy images *MALIK R - Doha*
3122		8:52	Mosaicking the subbasal nerve plexus *ALLGEIER S , Reichert KM , Stachs O , Köhler B - Eggenstein-Leopoldshafen*
3123		9:14	Corneal nerves as a biomarker of peripheral neuropathy : the example of transthyretin amyloidosis *ROUSSEAU A , Cauquil C , Dupas B , Labbé A , Baudouin C , Lacroix C , Guiochon-Mantel A , Benmalek A , Labetoulle M , Adams D - Le Kremlin Bicêtre*
3124	✶	9:36	The corneal nerves in glaucoma and ocular surface diseases *LABBE A , Liang H , Baudouin C - Paris*

SIS

8:30 - 10:00 | RHODES 2

RV/EOVS/G - Current contribution of OCT in clinical practice

The SIS will first present briefly the different OCT modalities in ophthalmology and the related technology and terminology behind B scan OCT and angiography OCT (OCTA) necessary in clinical practice. Then the role of Bscan OCT and or OCTA will be addressed in many different subspecialties in ophthalmology. All expert speakers will specially address where OCT may help in diagnosis or / or change a therapeutical decision in daily clinic.

AMBRESIN A , POURNARAS J

3131		8:30	OCT and OCTA: new technology, new terminology *AMBRESIN A - Lausanne*
3132	✶	8:45	The role of OCT algorithms and OCT A in glaucoma care *MANSOURI K - Lausanne*
3133		9:00	OCT and vitreomacular interface *POURNARAS JA - Lausanne*
3134		9:15	OCT and retinal ganglion cell layer *BORRUAT FX - Lausanne*
3135		9:30	OCT in age related macular degeneration *MANTEL I - Lausanne*
3136		9:45	OCT in retinal and choroidal inflammatory disease *VAUDAUX J - Lausanne*

JM

8:30 - 10:00 | RHODES 3

ARVO@EVER - Inflammation and tissue integrity in the anterior and posterior segment

ARVO

This SIS will discuss aspects influencing tissue integritiy and Inflammation in the anterior and posterior segment.
comments: This is the official ARVO Session at EVER, in Agreement with Andrew Dick and ARVO

FUCHSLUGER T , STEFANSSON E

3141		8:30	Activity in eye surface sensory neurons is disturbed by inflammation, and vice versa *GALLAR J , Acosta MC - San Juan de Alicante*
3142		8:48	Ocular surface inflammation, nerves and brain: dangerous interactions? *FERRARI G , Bignami F , Rama P - Milan*
3143		9:06	Novel concepts in corneal reconstruction *FUCHSLUGER T , Stafiej P , Florian K , Schubert D - Erlangen*
3144	✶	9:24	Nanoparticle eye drops: A new generation of corticosteroid eye drops *STEFANSSON E - Reykjavik*
3145		9:42	The role of IL-6 and IL-6-blockade in the pathogenesis and treatment of uveitic macular edema *MESQUIDA M - Barcelona*

C

8:30 - 10:00 | RHODES 4

EOVS/MBGE - Structure and function in retinal disease; the role of ISCEV standard electrophysiology (ISCEV, the international society for clinical electrophysiology of vision)

✶✶ Intermediate

The Course will address the use of electrophysiology and imaging in the diagnosis and management of patients with retinal disease. The importance of using standardised electrophysiological protocols, as recommended by the International Society for Clinical Electrophysiology of Vision will be stressed. Lectures on inherited and acquired disease will follow an introduction ti the tests and their interpretation, and the session will conclude with a lecture on paediatric applications.

HOLDER G , LEROY BP

3151	8:30	An introduction to the tests and clinical interpretation *HOLDER G - London*
3152	8:52	Inherited retinal disease *LEROY BP - Ghent*
3153	9:14	Acquired retinal disease *HOLDER G - London*
3154	9:36	Paediatric applications *THOMPSON D - London*

SIS

8:30 - 10:00 | GALLIENI 1+2

LC/NSPH - Congenital cataract

This SIS on congenital cataract will span from the posterior lens capsule and vitreo-lenticular interface to genetic anomalies and contact lens service in operated children.

BARRAQUER RI , MICHAEL R

3161		8:30	How to handle the posterior lens capsule in children *BARRAQUER RI - Barcelona*
3162	✶	8:48	Anterior vitreo-lenticular interface in children *TASSIGNON MJ - Edegem*
3163		9:06	Genetic anomalies in congenital cataract *Bremond-Gignac D , Burin des Roziers C , Beugnet C , Fourrage C , Moriniere V , Robert M , VALLEIX S - Paris*
3164		9:24	Protein analysis of the plaques in congenital cataracts *VAN LOOVEREN J , Van Gerwen V , Schildermans K , Laukens K , Baggerman G , Tassignon MJ - Edegem*
3165		9:42	Contact lens service in pseudophakic and aphakic children *ROSENSVARD A - Stockholm*

SIS 8:30 - 10:00 | GALLIENI 4

MBGE/NSPH - Inherited optic neuropathies – new insights and therapeutic strategies

As a group, inherited optic neuropathies represent an important cause of severe irreversible visual loss among children and young adults. The pathological hallmark is the preferential loss of retinal ganglion cells (RGCs) within the inner retina, which results in progressive optic nerve dysfunction and the onset of visual symptoms. This session will review new insights into the molecular genetic basis of three classical inherited optic neuropathies, namely Leber hereditary optic neuropathy (LHON), autosomal dominant optic atrophy (DOA) and Wolfram syndrome. Although management remains largely supportive, major advances in disease modelling and genetic engineering are paving the way for innovative therapeutic strategies that could help minimise RGC loss and improve the visual prognosis.

LISKOVA P , YU-WAI-MAN P

3171	✶	8:30	Cracking the nuclear-mitochondrial code in Leber hereditary optic neuropathy *CARELLI V - Bologna*
3172		8:48	Novel pathophysiological mechanisms in dominant optic atrophy beyond the mitochondrial dynamics equilibrium *LENAERS G , Charif M , Amati-Bonneau P , Chao de la Barca J , Procaccio V , Chevrollier A , Leruez S , Bonneau D , Reynier P - Angers*
3173		9:06	Antisense oligonucleotide therapy for splicing defects in OPA1-related dominant optic atrophy *WISSINGER B , Synofzik M , Schöls L , Bonifert T - Tuebingen*
3174		9:24	Advances in gene therapy for Wolfram syndrome *Hamel C , Jagodzinska J , Bonner-Wersinger D , Koks S , Seveno M , DELETTRE C - Montpellier*
3175	✶	9:42	Clinical trials for inherited optic neuropathies *KARANJIA R , Poincenot L , Sadun AA - Ottawa*

FP 8:30 - 10:00 | GALLIENI 5

IM - New insights in uveitis 2

NERI P , HERBORT JR. CP

3181		8:30	Ocular inflammatory diseases in ebola survivors *HERETH E , Resnikoff S , Fardeau C , Bah MO , Sagno IC , March L , Izard S , Lama PL , Ouendeno NA , Delaporte E - Lille*
3182		8:42	Endophthalmitis: what role does vitrectomy play? *ROCHA DE SOUSA A , Mendonça C , Alves-Faria P , Gouveia P , Falcão M , Falcão-Reis F - Porto*
3183		8:54	Surgical management of Acute Retinal Necrosis (ARN): Timing and outcomes *MORA P , Tagliavini V , Tedesco S , Forlini M , Carta A , Gandolfi S - Parma*
3184		9:06	Case series and literature review: Is there a role for antiviral prophylaxis in patients who have had herpetic encephalitis? *BALENDRA S , Sepetis A , Rainsbury P , Malem A , Meredith P , Farnworth D , Lockwood A - Portsmouth*
3185	*rf*	9:18	Inflammatory markers but not symptoms are a strong predictor of temporal artery biopsy outcome – the Portsmouth experience *MEREDITH PR , Sepetis A , Balendra S , Jawed M , Lockwood AJ , Maclean H - Portsmouth*
3186	*rf*	9:24	Portuguese prescription patterns of topical antibiotics in Ophthalmology: a yearlong analysis *SOUSA DC , Leal I , Nascimento N , Abegão Pinto L , Marques-Neves C - Lisboa*

KN

10:10 - 10:40 | HERMES

Keynote Lecture by Caroline KLAVER

WHY DO EYES BECOME MYOPIC?

Caroline KLAVER - Rotterdam

HERMES

10:10 Introduction by Marcela VOTRUBA

10:15 **Why do eyes become myopic?**
Refractive errors are the most common eye disorders worldwide and the largest source of visual impairment. In particular, high myopia is associated with a significant risk of visual complications, such as myopic macular degeneration, glaucoma, and retinal detachment. The absolute risk of severe visual impairment increases significantly with each diopter of myopic refractive error, ranging from 3% to 5% in individuals with errors of -6.00 D to more than 40% in those with -15.00 D or more. Reports have shown that the prevalence of myopia is on the rise worldwide with the highest prevalence in Asia. This figure is dramatic and demand effective counteractions. The lecture will address the main question "Why do eyes become myopic?" from various perspectives including epidemiological data (genetics, environmental factors, etc.) and animal studies.

10:40 *Award presentation of the EVER Certificate of Honour*

Biography of Caroline KLAVER

Caroline Klaver is professor of epidemiology and genetics of eye diseases at Erasmus MC Rotterdam. She is a retinal specialist who trained as a fellow at University of Iowa and at Columbia University and at Vitreous-Retina-Macula Consultants in New York and currently has her clinic at Radboud UMC, Nijmegen. Her research focuses on genetic-epidemiologic studies of various complex (myopia, age-related macular degeneration (AMD), glaucoma) and Mendelian eye disorders (retinal dystrophies). She is the principal investigator of ophthalmologic studies in 7 large epidemiologic cohorts from Rotterdam. Recently, her interest has shifted towards functional studies as her ultimate ambition is to find targets for intervention and diminish patient load.

11:00 - 12:30 | HERMES

RV - Advances in vitreoretinal surgery

New advances in transconjunctival pars plana vitrectomy systems have provided tremendous benefits for the management of vitreoretinal disorders. New instruments have been developped as 27 Gauge vitrectomy. 3D ultra-digital visualization systems are now currently available. Intra-operative OCT may now be added to help surgeons during peeling procedures. Combined surgery remained still questionable and will be discussed, as the update options for submacular hemorrhage management.

POURNARAS J-A , STANGOS A

3311		11:00	27 Gauge vitrectomy (pros & cons) *STANGOS A - Geneva*
3312		11:18	3D visualization systems *POURNARAS JA - Lausanne*
3313		11:36	Intra-operative OCT *GUALINO V - Montauban*
3314		11:54	Combined procedures *PAPPAS G - Heraklion*
3315		12:12	Submacular hemorrhage management *POURNARAS C - Genève*

11:00 - 12:30 | RHODES 1

COS - Corneal nerves in health and disease

This SIS focuses on the state of corneal nerves in health and disease. Pathologies arising from diseased nerves are presented – as well as their conservative and surgical management.

DUA HS , SAID D

3321	✶	11:00	Normal and abnormal corneal innervation *DUA HS , Al-Aqaba M - Nottingham*
3322		11:22	Neurotrophic Keratitis: Definition, clinical presentation and diagnosis *SAID D , Dua H - Cairo*
3323	✶	11:44	Medical management of neurotrophic keratitis *RAMA P - Milano*
3324		12:06	Surgical management of Neurotrophic keratitis *SHORTT A - London*

FP

11:00 - 12:30 | RHODES 2

EOVS - Age, vision and retina

BARBUR JL

3331	11:00	Measurement of oculomotor parameters and visual processing times without eye-tracking *BARBUR JL , Llapashtica E , Connolly D , Sadler J - London*
3332	11:12	Normal upper age-limits for photopic and mesopic visual acuity and functional contrast sensitivity *KEUKEN A , Subramanian A , Barbur JL - Utrecht*
3333	11:24	Changes in axial length in adult eyes *ROZEMA J , Zakaria N , Ní Dhubhghaill S - Edegem*
3334	11:36	Retinal vascular fractal dimension and cerebral blood flow, the CRESCENDO study *NADAL J , Deverdun J , Menjot De Champfleur N , Villain M , Creuzot Garcher C , Le Bars E , Daien V - Nimes*
3335	11:48	How to explain "flat" electroretinograms when patients with Leber's congenital amaurosis aren't blind *PARSA C , Taylor A - Paris*
3336	12:00	Proteinics study: Relevance and interest for screening, follow-up, etiopathogenesis of AMD *GONZALEZ C - Toulouse*

FP

11:00 - 12:30 | RHODES 3

PO - Conjunctiva and others

JAGER MJ , MOULIN A

3341	11:00	Conjunctival melanoma: association of cyclooxygenase-2 tumour expression to prognosis *PINTO PROENCA R , Santos M , Fonseca C , Fernandes J , Gaspar MF , Proença R - Lisbon*
3342	11:12	β-catenin activation in conjunctival melanocytic proliferations *LARIVE E , Nicolas M , Schalenbourg A , Zografos L , Moulin A - Lausanne*
3343	11:24	Comparing anterior segment optical coherence tomography and ultrasound biomicroscopy with histopathology in measurement of corneal and bulbar conjunctival tumors depth *LAUWERS N , Janssens K , Mertens M , Mathysen D , De Keizer RJW , De Groot V - Edegem*
3344	11:36	Micro-CT study of Bomirski melanoma growing in hamster eye *LESZCZYNSKI B , Sniegocka M , Elas M , Wróbel A , Sojka-Leszczynska P , Urbanska K , Pedrys R , Romanowska-Dixon B - Kraków*
3345	11:48	Application of label-free 2-photon fluorescence lifetime imaging microscopy to measure endogenous melanin profiles in human eye melanocytes, naevus and melanoma cells *SITIWIN E , Madigan M , Jager M , Conway R , Cherepanoff S , Macmillan A - Sydney*
3346	12:00	Primary human choroidal melanocytes express functional Toll-Like Receptors (TLRs) *CIOANCA V A , McCluskey P J , Madigan M C - Sydney NSW*

JM

11:00 - 12:30 | RHODES 4

GOA - New insights in ocular allergy

HEEGAARD S , BREMOND-GIGNAC D

3354		11:00	Update in topical ciclosporine in VKC *BREMOND-GIGNAC D - Paris*
3353		11:30	Molecular diagnostics of ocular allergy *VITTE J , Baye A , Batellier L , Doan S , Bury T - Marseille*
3352		12:00	Tear sample collection in ocular allergy *MUNK SAJ , Heegaard S - Kongens Lyngby*

SIS

11:00 - 12:30 | GALLIENI 1+2

LC/RV - Multifocal intraocular lenses (IOLs) in patients with ocular comorbidities

Although the use of multifocal intraocular lenses (mIOLs) has become increasingly popular because of their good reading-distance VA and their option of variably adding power for near vision, some patients, even those with healthy eyes, complain of hazy vision, which might be the result of reduced contrast. Therefore, it is known that careful consideration must be taken when deciding whether to implant mIOLs in elderly patients over 80 years of age or in patients with other concomitant ocular diseases. Unlike with monofocal IOL implantation in such subclinical handicapped cases, mIOL implantation can result in a decrease in the patient's visual function because of the precision of the lens. This symposium will debate on whether or not to implant mIOLs in interdisciplinary cases such as patients with retinal disorders, early-stage glaucoma, high myopia with good corrected VA, or mild keratoconus.

GRZYBOWSKI A , ASCASO F

3361		11:00	Vitreo-retinal pathology and multifocal IOLs *ASCASO FJ - Zaragoza*
3362		11:18	Indications and limits of the implantation of diffractive and refractive intraocular lenses in patients with ocular comorbidities *GATINEL D - Paris*
3363	*	11:36	Ocular motility, do we know what is the dominant eye? *SHAH S - Birmingham*
3364		11:54	Varifocal intraocular lenses, how to play with different optical profiles for a better outcome or Trifocal IOLs: results of a randomized clinical study *ALIO SANZ J - Alicante*
3365		12:12	Limits for the indication of multifocal lenses based on the contrast sensitivity function *GRZYBOWSKI A - Olsztyn*

SIS

11:00 - 12:30 | GALLIENI 4

MBGE/COS - Advances in the genetics and targeted therapies of corneal disorders

Relative immune privilege, transparency and easy accessibility make cornea an exceptional tissue for translational research. Recent and ongoing advances in our understanding of the biological mechanisms underlying corneal disorders provide promise for the development of effective molecular therapies. The special interest symposium will focus on recent molecular discoveries made in the field of corneal disorders and their possible implications for treatment.

LISKOVA P , FUCHSLUGER T

3371	11:00	Exploring molecular mechanisms underlying Fuchs endothelial corneal dystrophy and their relevance to therapeutic interventions *DAVIDSON A - London*
3372	11:22	Posterior polymorphous corneal dystrophy; novel clinical and molecular genetic insights *LISKOVA P - Prague*
3373	11:44	Novel tissue-targeted localized corneal gene therapy *MOHAN R - Columbia*
3374	12:06	Viral and non-viral vectors for cell and gene therapy of the corneal endothelium *FUCHSLUGER T , Grünert A , Mahajan S , Czugala M - Erlangen*

SIS

11:00 - 12:30 | GALLIENI 5

Roundtable Discussion by Women in EVER (WIE)

Women in EVER

The session will consist of three early career scientists/ophthalmologists, discussing their career path to date including their previous and current ambitions/reservations/issues, with exchanges also with the 3 moderators. Audience participation is expected and attendance ranging from students to departmental heads/chairs encouraged.

CREUZOT C , KAWASAKI A , CORDEIRO MF

3381	11:00	Promoting women career through changes of societal stereotypes and academic efficiency indicators *AMBRESIN A - Lausanne*
3382	11:30	Life as a junior postdoc in ophthalmology and neurobiology research: challenges and opportunities *DE GROEF L - Leuven*
3383	12:00	Seeing the light: A perspective from a junior scientist on her journey from psychology to physics to ophthalmic research *IRSCH K - Paris*

PS

12:30 - 13:30 | HERMES

EVER General Assembly

Agenda

1. President's address by Andrew Dick
2. Minutes of the General Assembly 2016
3. Report of the Secretary General, Catherine Creuzot
4. Report of the Programme Secretary, Francesca Cordeiro
5. Report of the Treasurer, Steffen Heegaard:
    - approval of the accounts 2016
    - discharge to the directors
    - approval budget for 2017
6. Results of the elections
7. Presentation of the board 2018
8. Future congresses
9. Miscellanea
10. Handover of chain of office

SIS

13:30 - 15:00 | HERMES

RV - Surgery of macular disorders

This session will cover the modern surgical technique for macular disorders such as macular hole, epimacular gliosis, etc, using novel intraoperative diagnostic techniques, as well as to modern developing approaches in treatment of macular degenerations using stem cell therapy. The speakers are world known experts in their field. All the speakers confirmed their participation in EVER 2017.

LYTVYNCHUK L , MICHALEWSKA Z

3511	✶	13:30	Swept Source OCT Angiography after retinal detachment treatment with different techniques *MICHALEWSKA Z , Nawrocki J - Lodz*
3512		13:48	Endoocular OCT assisted epimacular surgery with preliminary vitreoretinal adhesions mapping *STOLIARENKO G , Doroshenko D , Ledeneva M , Salakhutdinov V , Savostianova N - Moscow*
3513		14:06	Surgical treatment of traumatic macular hole *RUBAN A - Kyiv*
3514		14:24	Intraoperative OCT for inverted ILM flap technique *LYTVYNCHUK L - Giessen*
3515		14:42	Nanofibrous carrier for transplantation of retinal pigment epithelial cells *ARDAN T , Popelka S , Stranák Z , Kozak I , Lytvynchuk L , Rais D , Dušková M , Motlík J - Libechov*

SIS

13:30 - 15:00 | RHODES 1

G - Obergurgl EVER optic-nerve-conference symposium 2016: repair,replacement, and regeneration of the optic nerve

The Obergurgl optic-nerve-conference brings together clinicians and basic scientists from different fields and will highlight translational research providing a platform for networking and stimulating discussions, which are a highlight of the meeting.The topic of the Obergurgl conference 2016 was: "repair, replacement, and regeneration of the optic nerve".
In this symposium, a few selected talks from the Obergurgl conference will present interesting topics in this area.

GRUS F , CROWSTON J

3521	13:30	Changing the fate of retinal ganglion cells following retinal ischemia: is autophagy the way? *RUSSO R , Varano G P , Adornetto A , Nazio F , Corasaniti MT , Nucci C , Bagetta G - Cosenza*
3522	13:48	Neurotrophins involved in neuroprotective antibody effect *BELL K , Wilding C , Beck S , Pfeiffer N , Grus FH - Mainz*
3523	14:06	Role of GSK3 activity in optic nerve regeneration *FISCHER D - Düsseldorf*
3524	14:24	siRNA and regeneration *LOGAN A - Birmingham*
3525	14:42	Remyelination of regenerating axons *NEUMANN B , Baror R , Van Wijngaarden P , Franklin RJ - Cambridge*

JM

13:30 - 15:00 | RHODES 2

IM - SOIE : One disease, one follow-up: optimal outcome measures are necessary in uveitis for management of disease and for clinical trials

In the modern ophthalmology, the introduction of new technologies and the better knowledge on uveitis pathophysiology have helped in understanding the different clinical characteristics of most of the intraocular inflammatory diseases. Consequently, several old concepts were revised and new ones were introduced.The trend at this point is to create the conditions for a better strategy both for the diagnostic procedures and for the treatment choices by using appropriately all the available tools. For such reasons, the multimodal imaging procedures, systemic tests and even biopsies of ocular tissues are part of the daily practice of a uveitis specialist.
In this special interest symposium the main uveitis subsets will be discussed by addressing the critical points for the diagnostic assessment and bringing new concepts on the uveitis classification and the treatment methodology.

NERI P , HERBORT JR. CP

3531	13:30	Multiple evanescent white dot syndrome *PAPADIA M - Genova*
3532	13:48	Primary stromal choroiditis *HERBORT CP - Lausanne*
3533	14:06	Tuberculosis *KHAIRALLAH M , Khochtali S , Mahmoud A , Ben Amor H - Monastir*
3534	14:24	Sarcoidosis *EL AMEEN A - Evian*
3535	14:42	Idiopathic multifocal choroiditis *NERI P , Pirani V , Lassandro N , Nicolai M - Agugliano*

SIS

13:30 - 15:00 | RHODES 3

PO/NSPH - Optic disc in ocular oncology

Diagnosis and management of tumors and pseudo-tumors located close to the optic disk and tumors covering or inviding the optic is often challenging. All these tumors can damage the visual function because of their position or following the side effects of the treatment. In addition, some of these tumors and specially retinoblastomas can invide the optic disk and progress to the central nervous system. Consequently the aim of the diagnostic approaches is not only to identify the tumor but also to define the anatomical and functional changes in order to allow the best therapeutic approaches.
The aim of this SIS is to bring a multidisciplinary, ophtalmo-oncological and neuro-ophtalmological approach to this complex problem. The various melanocytic, vascular and lymphoproliferative tumors as well as tumors originated from the optic nerve and the epithelium are presented and the side effect of the irradiation treatment of the optic disk is described.

ZOGRAFOS L , KAWASAKI A

3541	13:30	Optic disk melanocytoma and juxtapapillary melanoma. Diagnosis and management *SHIELDS C - Lausanne*
3542	13:45	Juxtapapillary tumors and pseudo-tumors of the retinal pigmented epithelium *KIVELA T - Helsinki*
3543	14:00	Vascular tumors and malformation of the optic disk *DE LAEY JJ - Gent*
3544	14:15	Irradiation induced optic neuropathy *ZOGRAFOS L - Lausanne*
3545	14:30	Optic nerve sheath tumors *KAWASAKI A - Lausanne*
3546	14:45	Optic disk invasion in SNC lymphoma *CASSOUX N - Paris*

SIS

13:30 - 15:00 | RHODES 4

COS/IM - Microbial keratitis

This SIS discussed etiologies and treatments of microbial keratitis.

FUCHSLUGER T , KESTELYN P

3551		13:30	Infectious keratitis: new concepts for old enemies *PIRANI V , Cesari C , Carrozzi G , Lassandro N , Calamita R , Neri P - Ancona*
3552		13:48	Latest in diagnosis and management of fungal keratitis *KESTELYN P - Gent*
3553		14:06	Acanthamoeba keratitis – pKP versus conservative treatment in a 20-year follow-up study *FUCHSLUGER T , Scheumann A , Roth A , Klammann A , Geerling G - Erlangen*
3554		14:24	Corneal crosslinking in microbial keratitis *SZENTMARY N - Budapest*
3555		14:42	Imaging of the ocular surface in corneal inflammation *GICQUEL JJ - Saint Jean d'Angély*

FP

13:30 - 15:00 | GALLIENI 1+2

G - IOP surgical management

BRON A , RATNARAJAN G

3561		13:30	Systematic laser suturolysis in post-operative management in trabeculectomy – early results from pilot study *MANO S , Nuno PF , Marques RE , Abegão Pinto L - Lisbon*
3562		13:42	High-intensity focused ultrasound cyclo-coagulation: a prospective study from a tertiary center *SOUSA DC , Pinto Ferreira N , Marques-Neves C , Abegão Pinto L - Lisboa*
3563		13:54	Socioeconomic deprivation status of patients undergoing Trabeculectomy surgery. A 9-year review at Queen Alexandra Hospital, Portsmouth *SEPETIS A , Balendra S , Meredith P , Kirwan J , Lockwood A - Portsmouth*
3564		14:06	Iatrogenic intraocular pressure elevation after repeated intravitreal injection, a prospective cohort study *LEREUIL T , Agard E , Elchehab H , Dot C - Lyon*
3565	*rf*	14:18	Three year results of iStent + Phacoemulsification cataract surgery for glaucoma *LEWIS A , Ramanathan D , Wong C , Imonikhe R , Ansari E - Maidstone*
3566	*rf*	14:24	Efficacy and safety of the pars plana clip in the Ahmed valve device in patients with refractory glaucoma *IBANEZ J , Perez Garcia D , Martinez J , Sanchez I , Idoate A , Berniolles J , Bartolome I , Lopez I , Ascaso J - Zaragoza*
3567	✶ *rf*	14:30	Supracilliary Micro-Stent (CyPass®) is associated with lack of disease progression and minimum usage of IOP lowering medications in patients with POAG 2-Years Post-Implantation *UZUNOV R , Ianchulev T , Dickerson J - Cointrin - Geneva*
3568	*rf*	14:36	Follow-up of non-complicated filtering surgeries under ambulatory care with no control at Day 1 *JEANCOLAS AL , Conart JB , Trechot F , Berrod JP , Angioi-Duprez K , Maalouf T - Vandoeuvre les Nancy*

SIS

13:30 - 15:00 | GALLIENI 4

ACB/COS - Contact lenses in clinical care - how to treat which complications

Contact lenses have achieved an amazingly wide circulation and usage. The main type of contact lenses soft ones because they appear to be fitted easy and can be worn without a distinct adaption period. Therefore, they appear as the ideal choice for fitter and patient as well - in many countries soft contact lenses can be obtained over the counter without any medical or paramedical advice and supervision. The patient thereby transforms into a mere customer - sometimes addressed as a "customer-patient". Still, contact lenses can lead to severe ocular surface pathology. if the necessary critical care is neglected and if the user is not aware of the minimal cleaning and wearing necessities. Apart from acute wounding mainly chronic pathology of the cornea and conjunctiva occurs and, most alerting, severe ocular surface infections can occur that may require immediate critical clinical care often including surgical reconstruction of the ocular surface.

KNOP E , ASOKLIS R

3571		13:30	Contact lens and ocular surface - After all, its still a foreign body *KNOP E - Berlin*
3572		13:48	Results of the Scleral Lens in Current Ophthalmic Practice (SCOPE) survey *NAU A - Boston*
3573		14:06	Contact lens related corneal infections *ASOKLIS R - Vilnius*
3574		14:24	How to deal with Keratokonus – are there contact lens related problems in sclerals? *NAU C , Shorter E , Nau A , Harthan J , Fogt J , Schornack M - Minnesota*
3575		14:42	Ocular surface reconstruction in severe contact lens associated pathology *WYLEGALA E , Dobrowolski D , Wylegala A - Katowice*

FP

13:30 - 15:00 | GALLIENI 5

LC - Lens and cataract

LOFGREN S , TASSIGNON MJ

3581		13:30	Toric lens implantation in cataract surgery : risk factors of post-operative lens rotation, analysis of 50 cases *LORIA O , Raucau M , Agard E , El Chehab H , Lereuil T , Dot C - Lyon*
3582		13:42	Optical properties shape visual cortical population receptive fields after cataract surgery independently from subjective quality of vision *Rosa A , Miranda A , Miguel P , Harvey B M , Silva F , CASTELO-BRANCO M - Coimbra*
3583		13:54	Prevention of selenite-induced cataractogenesis by sildenafil in rats *ATALAY HT , Uçgül AY , Ozel Türkçü U , Ozmen MC , Yılmaz NS , Bilgihan A - Ankara*
3584	*rf*	14:06	Visualization of the light field of multifocal intraocular lenses using a dual wavelength approach *EPPIG T , Rubly K , Schröder S , Rawer A , Langenbucher A - Homburg/Saar*
3585	*rf*	14:12	Robotic surgery - a new way to perform cataract surgery *CHAMMAS J , Sauer A , Bourcier T - Strasbourg*

POS

15:00 - 15:45 | POSTER AREA

MBGE: Molecular Biology/Genetics/Epidemiology

Poster F001-F021

DAVIDSON A , KOZMIK Z

F001		Falls re-audit *MANZAR H , Sheriff I , Yusuf A , Igwe C , McIntosh D , O'Sullivan E , Kailani O - London*
F002	*rf*	Ocular traumas in the Finnish elderly- Helsinki Ocular Trauma (HOT) Study *SAHRARAVAND A , Haavisto AK , Holopainen JM , Leivo T - Helsinki*
F003		The effect of caffeine on retinal vessel diameters in the Inter99 eye study *VEIBY N CBB , Drobnjak DN , Munch IC , Toft U , Glümer C , Færch K , Kessel L , Larsen M - Oslo*
F004	*rf*	Genetic evidence for the role of ultraviolet radiation in the pathogenesis of uveal melanoma *Goh A , RAMLOGAN-STEEL C , Jayachandran A , Steel J , Layton C - Brisbane*
F005	*rf*	Directed migration of retinal astrocytes by PDGF signaling *TAO C , Zhang X - New York*
F006		Glucose-6-Phosphate Dehydrogenase (G6PD) deficiency and age-related macular degeneration in a Sardinian male population, Italy *PINNA A , Porcu T , D'Amico-Ricci G , Boscia F , Carru C - Sassari*
F007		Prevalence of refractive errors and visual impairment in university students *YEKTA A A , Hashemi H , Khabazkhoob M , Ali S B , Ostadimoghaddam H , Heravian J , Azimi A , Momeni-Moghaddam H - Mahhad*
F008		The prevalence of asthenopia and its determinants in a population of university students *YEKTA AA , Khabazkhoob M , Hashemi H , Ali SB , Ostadimoghaddam H , Najafi A , Heravian J - Mahhad*
F009		Genetic causes of deaf-blindness in sixteen Czech families *KOUSAL B , Dudakova L , Bujakowska K , Liskova P - Praha*
F010		Motile activity and cytoskeleton changes in uveal melanoma after proton beam radiation *ROMANOWSKA DIXON B , Jasinska-Konior K , Sarna M , Urbanska K , Olko P , Elas M - Krakow*
F011		SS - OCT angiography in retinal dystrophies with macular edema or cysts *EL MATRI L , Falfoul Y , Hassairi A , El Matri K , Nafaa F , Chebil A - Tunis*
F012		SS - OCT angiography in macular dystrophies *EL MATRI L , Falfoul Y , El Matri K , Hassairi A , Maamouri R , Chebil A - Tunis*
F013		Clinical and genetic study of a new mutation in the choroideremia gene *IDOATE A , Sanchez Marín JI , Bartolome Sese I , Berniolles Alcalde J , Lopez Sangros I , Marco Monzon S , Ascaso Puyuelo J , Pinilla Lozano I , Ibañez Alperte J - Zaragoza*
F014	✶	High resolution imaging analysis of female carriers and patients of Choroideremia with CHM gene mutation *GOCHO K , Akeo K , Kubota D , Katagiri S , Kikuchi S , Hayashi T , Yamaki K , Takahashi H , Kameya S - Inzai*
F015		Optical coherence tomography angiography in retinitis pigmentosa *HASSAIRI A , Falfoul Y , Matri K , Ben Lassoued O , Chebil A , El Matri L - Tunis*
F016		The important role of OCT in the diagnosis of Oculocutaneous albinism *BERNIOLLES J , Ascaso Puyuelo FJ , Bartolomé Sesé MI , Martínez Vélez M , Esteban Floria O , Sánchez JI , Idoate Domench A , Marco Monzón S , López Sangrós I , Ibáñez Alperte J - Zaragoza*
F017	*rf*	X-linked juvenile retinoschisis: different mutations – same phenotype *STRUPAITE R , Ambrozaityt L , Cimbalistien L , Ašoklis R , Utkus A - Vilnius*
F018	*rf*	Adaptive optics retinal imaging in patients with GNAT2 mutations *GEORGIOU M , Kalitzeos A , Michaelides M - London*

POS

15:00 - 15:45 | POSTER AREA

MBGE: Molecular Biology/Genetics/Epidemiology

Poster F001-F021

DAVIDSON A , KOZMIK Z

F019	*rf*	Recurrent corneal erosions dystrophy (ERED) in a Finnish family is caused by a COL17A1 splice-altering mutation *TURUNEN J , Tuisku I , Reetta-Stiina J , Kivelä T - Helsinki*
F020		CTG181 trinucleotide repeat expansion in Polish patients with Fuchs endothelial corneal dystrophy *UDZIELA M , Oziebło D , Sarosiak A , Ołdak M , Szaflik JP - Warsaw*
F021		Familial foveal aplasia *MURPHY R , Keegan D , Flitcroft I - Dublin*

POS

15:00 - 15:45 | POSTER AREA

RV: Poster Session: Retina/Vitreous

Poster F022-F062

ZOGRAFOS L , POURNARAS C

F022 *rf* Popper associated maculopathy – Case report and literary synthesis
MURPHY R , James M , Cullinane A - Dublin

F024 Is the age a prognostic factor for the outcome after treatment of myopic CNV?
KONTADAKIS G , Parikakis E , Peponis V , Batsos G , Georgalas I , Tsilimbaris M , Karagiannis D - Athens

F025 Intravitreal bevacizumab administration for complicated retinal arterial macroaneurysm in a young male patient
POPA CHERECHEANU A , Pirvulescu R , Dide C , Iancu R - Bucharest

F026 Long-term outcome following ranibizumab treatment for CNV related to ND:YAG-Laser macular injury
BATSOS G , Parikakis E , Christodoulou E , Karagiannis D , Stefaniotou M - Athens

F027 Dexamethasone intravitreal implant combined with anti-VEGF in patients with neovascular age related macular degeneration resistant to anti-VEGF alone
D'AMICO RICCI G , Giancipoli E , Boscia F , Zasa G , Sotgiu G , Dore G , Pinna A - Sassari

F028 The development and performance of a new patient derived tool to measure Dimensions in Treatment of Age-related Macular Degeneration (DITAMD)
JELIN E , Wisløff T , Moe MC , Heiberg T - Oslo

F029 Bevacizumab-treated diabetic macular edema: a pilot yearlong analysis of anatomic and functional outcomes from a referral center in Portugal
Leitão P , Bettencourt S , Trincão F , Santos P , SOUSA DC , Genro V , Abegão Pinto L , Raposo J - Lisboa

F030 Refractive changes after anti-VEGF injections for diabetic macular edema
CHATZIRALLI I , Chatzipantelis A , Dimitriou E , Mpourouki E , Saitakis G , Theodossiadis P - Athens

F031 Treatment of diabetic macular edema with micropulse laser therapy
EL MATRI K , Chebbi Z , Falfoul Y , Kortli M , Hassairi A , Chebil A , El Matri L - Tunis

F032 Changes in retinal vessel diameters after intravitreal aflibercept in patients with diabetic macular edema
BLINDBÆK SL , Peto T , Grauslund J - Odense C

F033 Vascular macular capillary plexus in patient with Type 1 diabetes with no retinopathy are correlated with OCT volume changes
ORDUNA HOSPITAL E , Lopez Galvez MI , Perdices Royo L , Acha J , Idoipe M , Sanchez-Cano AI , Abecia E , Pinilla I - Zaragoza

F034 Types of diabetic retinopathy studied by wide field angiography
MAAMOURI R , Falfoul Y , Bouraoui R , Kortli M , Chebil A , Fedra K , Nafaa F , El Matri K , El Matri L - Tunis

F035 *rf* Cost-effectiveness of intravitreal therapy with both anti-VEGF and Dexamethasone implant in patients with Diabetic Macular Edema
D'AMICO RICCI G , Bouzios D , Boscia F , Lupino M , Pinna A - Sassari

F036 *rf* Topical betamethasone sodium phosphate, tetracycline hydrochloride and nonsteroidal anti-inflammatory drugs in the treatment of diabetic macular edema: a case report
D'AMICO RICCI G , Bouzios D , Boscia F , Pinna A - Sassari

F037 OCT Angiography in angioid streaks without neovascular complications
EL MATRI K , Falfoul Y , Hassairi A , Chebil A , Ammari M , El Matri L - Tunis

F038 *rf* Cross-sectional static retinal vessel analysis in routine optometric practice
FRENCH C , Heitmar R - Birmingham

POS

15:00 - 15:45 | POSTER AREA

RV: Retina/Vitreous

Poster F022-F062

ZOGRAFOS L , POURNARAS C

F039 rf Ophthalmoscopic and video OCT methods to detect spontaneous venous pulsation in individuals with apparently normal intracranial pressure: the rebirth of the SVP?
JENKINS KS , Layton CJ , Adams MKM - Brisbane

F040 rf Inner retina changes in hydroxychloroquine patients
BARATA A , Leal I , Sousa F , Teixeira F , Pinto F - Lisboa

F041 rf Idiopathic retinal vasculitis, arteriolar macroaneurysms and neuroretinitis (IRVAN): Case series of three patients with multimodal imaging
YU JEAT C , Logeswaran A , Damato E - Birmingham

F042 Choroidal vascular abnormalities by UWF ICGA in central serous chorioretinopathy
SAGONG M , Noh D , Van Hemert J , Lee J - Daegu

F043 Clinical significance of subretinal hyper-reflective material in retinal angiomatous proliferation patients
KIM JM , Lee KB , Jung JJ , Han JI - Seoul

F044 Long-term reproducibility of axial length in eyes undergoing combined phacovitrectomy for macular-sparing rhegmatogenous retinal detachment
KANG TS , Shin YI , Kim JY - Daejeon

F045 Acute macular neuroretinopathy type 2: an unusual case
CELLINI M , Sebastiani S , Campos E - Bologna

F046 The impact of epiretinal membrane on neovascular age-related macular degeneration treatment: A spectral-domain optical coherence tomography study
CHATZIRALLI I , Stavrakas P , Ananikas K , Dimitriou E , Theodossiadis G , Theodossiadis P - Athens

F047 Intra- and inter-grader agreement in grading of coverage of panretinal photocoagulation by ultra-wide field color fundus images
TORP TL , Jakobsen DB , Grauslund J - Odense C

F048 Multimodal imaging of combined harmatoma of the retina and retinal pigment epithelium
BOBAT H , Kaprinis K , De Salvo G - Southampton

F049 Changes in axial length before and after recovery in patients with idiopathic central serous chorioretinopathy with serous retinal detachment
SHIN YI , Shin KS , Jo YJ , Kim JY - Daejeon

F050 Relationship between macular thickness and mesopic visual acuity in older subjects without retinal disease
PUELL M , Palomo-Alvarez C , Gómez-García S , Ayala-Ayerbes M , Chozas-Enrique J , Pérez-Carrasco MJ - Madrid

F051 Clinical application of enhanced retinal vasculature visualization using hemoglobin absorbance
KIM YT - Seoul

F052 Ocular manifestations associated with takayasu arteritis: a multimodal imaging study
CHOTARD G , Diwo E , Coscas F , Saadoun D , Domont F , Le Hoang P , Bodhagi B - Paris

F053 Associations between individual retinal layer thicknesses and diabetic peripheral neuropathy using retinal layer segmentation analysis
KIM JH , Kim J , Kim HK , Lee J , Kim M , Kim SS - Seoul

F054 Relation between cardiovascular conditions and macular and retinal nerve fiber layer thickness evaluated with Spectral-Domain OCT
OBIS J , Garcia-Martin E , Orduna E , Vilades E , Cipres M , Rodrigo MJ , Satue M - Zaragoza

POS

15:00 - 15:45 | POSTER AREA

RV: Retina/Vitreous

Poster F022-F062

ZOGRAFOS L , POURNARAS C

F055 *rf* Photostimulation with subthreshold yellow micropulsed laser for chronic residual subfoveal rhegmatogenous retinal detachment after surgery
ESPOSTI G , Esposti PL , Fruschelli M , Hadjistilianou T - Siena

F056 *rf* Evaluation of efficacy and safety of dexamethasone intravitreal implants between vitrectomized and non-vitrectomized eyes in a real-life study
REZKALLAH A , Malcles A , Dot C , Voirin N , Agard E , Vie AL , Denis P , Kodjikian L - Lyon

F057 Enzymatic vitreolysis with ocriplasmin for symptomatic vitreomacular traction syndrome
GKIZIS I , Garnavou-Xirou C , Velissaris S , Kabanarou S , Chatziralli I , Kontou E , Xirou T - Athens

F058 Efficacy and safety of primary posterior capsulotomy in combined phaco-vitrectomy in patients with rhegmatogenous retinal detachment
KIM JY , Shin YI , Kang TS - Daejeon

F059 Eccentric macular hole after pars plana vitrectomy for epiretinal membrane without internal limiting membrane peeling
XIROU T , Kabanarou S , Gkizis I , Garnavou-Xirou C , Velissaris S , Chatziralli I - Glyfada

F060 The effect of internal limiting membrane peeling in surgical treatment of combined hamartoma and epiretinal membrane
PARK JM , Soo Jung L , Ji Hyun P , Myung In Y - Busan

F061 Retinal diseases of patients without discomfort associated with retinal abnormalities
LEE S - Seoul

F062 Evolution of foveal detachment in dome-shaped macula after treatment by mineralocorticoids: report of three cases
MARCO MONZON S , Lopez Sangros I , Bartolome Sese I , Sanchez Marin I , Idoate Domenech A , Berniolles Alcalde J , Ascaso Puyuelo J , Pinilla Lozano I - Zaragoza

POS

15:00 - 15:45 | POSTER AREA

PBP: Physiology/Biochemistry/Pharmacology

Poster F063-F088

GARHOFER G , OSBORNE N

F063 Effects of dexamethasone implant on macular morphology and visual function in patients with different diseases
LOPEZ SANGROS I , Marco Monzon S , Honrubia Grijalbo A , Sanchez Marin I , Idoate Domenech A , Bartolome Sese I , Berniollles Alcalde J , Ascaso Puyuelo J - Zaragoza

F064 Neural degeneration mechanisms in diabetic retinopathy:The role of apoptosis and autophagy
AMATO R , Dal Monte M , Cervia D , Catalani E , Cammalleri M , Casini G - Pisa

F065 Functionalized magnetic nanoparticles as a novel strategy for the treatment of diabetic retinopathy
AMATO R , Dal Monte M , Lulli M , Cammalleri M , Raffa V , Casini G - Pisa

F066 The SRPK1 inhibitor SPHINX31 prevents increased retinal permeability in a rodent model of diabetes
ALLEN C , Horton K , Malhi N , Batson J , Bates D - Nottingham

F067 Resveratrol diminishes oxidative stress in lenses of rats with streptozotocin-induced type 1 diabetes
SEDLAK L , Wojnar W , Kaczmarczyk-Sedlak I , Zych M , Wygledowska-Promienska D - Katowice

F068 Retinal vessel geometry and oxygen saturation in patients suffering from diabetes mellitus and/ or cardiovascular disease
HEITMAR R , Blann A - Birmingham

F069 Microelectrode penetration of the wall of porcine retinal arterioles in vitro results in recordings from several cell types
KUDRYAVTSEVA O , Aalkjaer C , Bek T - Aarhus

F070 ✶ Involvement of peroxisome proliferator activator receptors in the photoprotective activity of the di-apo-carotenoid norbixin on RPE cells
FONTAINE V , Monteiro E , Fournie M , Bonnard B , On S , Serova M , Balducci C , Guibout L , Sahel JA , Veillet S , Dilda P , Lafont R - Paris

F071 Effects of plasma kallikrein inhibitors in an in vitro RPE oxidative stress model
ALONSO-ALONSO ML , Hampton SL , Williams JL , García-Gutiérrez MT , Fernández-Bueno I , Srivastava GK , Pastor JC , Diebold Y - Valladolid

F072 Regenerative therapies with combined axoprotectants in AGE-exposed retinas
OSHITARI T , Bikbova G , Baba T , Yamamoto S - Chiba

F073 Melatonin and epigallocatechin gallate reduce the loss of visual function in an animal model of retinal degeneration, P23H rat
PERDICES L , Orduna E , Sánchez AI , Segura F , Insa G , Fuentes L , Cuenca N , Pinilla I - Zaragoza

F074 ✶ Effect of AVS Retina in a rodent model of retinal ischemia-reperfusion
SANTONOCITO M , La Rosa L R , Zappulla C , Viola S , Mazzone MG , Giuliano F - Aci S. Antonio (CT)

F075 ✶ THR-687, a potent small molecule integrin antagonist, holds promise as a therapeutic approach for back-of-the-eye vascular pathologies
VAN HOVE I , Vanhove M , Porcu M , Barbeaux P , Feyen JHM , Vermassen E - Heverlee

F076 FluoroGold-labeled organotypic retinal explant culture (FLOREC) for neurodegeneration and neurotoxicity screening studies
AJELETI MO , Smedowski A , Maniar R , Pietrucha-Dutczak M , Matuszek I , Lewin-Kowalik J - Katowice

F077 Effect of intravitreal bevacizumab and aflibercept on retrobulbar blood flow in injected and uninjected sound eyes of patients with neovascular age-related macular degeneration
SEBASTIANI S , Corcioni B , Pazzaglia A , Gaudiano C , Cellini M , Golfieri R , Campos EC - Bologna

POS

15:00 - 15:45 | POSTER AREA

PBP: Physiology/Biochemistry/Pharmacology

Poster F063-F088

GARHOFER G , OSBORNE N

F078 Changes in retinal arteriolar oxygen saturation predict disease activity in patients treated with aflibercept for neovascular age-related macular degeneration
JAKOBSEN DB , Torp T L , Stefánsson E , Peto T , Grauslund J - Odense C

F079 Intraocular expression of microfibrillar-associated protein 4 (MFAP4) in patients with neovascular age-related macular degeneration (nAMD)
ABRAHAMSEN RAVN L , Leer Blindbæk S , Schlosser A , Koss M , Dacheva I , Lind M , Holmskov U , Sørensen GL , Grauslund J - Odense C

F080 Bilateral tacrolimus-associated optic neuropathy after kidney transplant
BARTOLOME I , Lopez Sangrós I , Marco Monzón S , Martinez Velez M , Esteban Floria O , Sanchez Marin JI , Idoate Domench A , Berniolles Alcalde J , Mateo Gabas J , Ibañez Alperte J , Ascaso Puyuelo FJ - Zaragoza

F081 ✶ Optimisation of potent topical SRPK1 inhibitors with improved retinal pharmacokinetics through ex vivo trans-scleral permeability modelling
LIDDELL S , Toop H , Stewart E , Daubney J , Bourne J , Batson J , Morris J , Bates D - Nottingham

F082 Aerobic exercise causes changes in choroidal thickness in young adults
PERDICES L , Orduna E , Insa G , Segura FJ , Idoate A , Sánchez AI , Pinilla I - Zaragoza

F083 The changing sphingolipidome of retinal ganglion cells in response to stress
TRZECIECKA AM , Piqueras MC , Bhattacharya SK - Miami

F084 Nebivolol acts as a beta3-adrenergic receptor agonist in a mouse model of oxygen-induced retinopathy
DAL MONTE M , Amato R , Locri F , Cammalleri M - Pisa

F085 Modulation of iris sphincter and ciliary muscles by Urocortin 2
ROCHA DE SOUSA A , Ferreira D , Tavares-Silva M , Raimundo A R , Barbosa-Breda J , Leite-Moreira A - Porto

F086 *rf* Alzheimer's disease: can the retina be a window to the brain?
NEVES A C , Chiquita S , Carecho R , Campos E , Moreira P , Baptista F , Ambrósio F - Coimbra

F087 *rf* Electrical direct current stimulation affects retinal vessel diameter and vasodilation in healthy subjects
FREITAG S , Klee S , Haueisen J - Ilmenau

F088 *rf* Influence of metabolic control in patients with refractory diabetic macular edema treated with Ozurdex
SANCHEZ RAMON A , Lopez Galvez MI , Ortega Alonso E , Hernandez Rodriguez R , Portilla Blanco RR , Roberts I , Zarzosa Martin E - Burgos

BM

15:45 - 16:15

EVER section Business Meetings

ACB | Gallieni 4
COS | Rhodes 2
EOVS | Rhodes 1
G | Rhodes 1
IM | Gallieni 1+2
LC | Hermes
MBGE | Gallieni 1+2
NSPH | Rhodes 2
PBP | Rhodes 3
PO | Rhodes 3
RV | Hermes

Agenda

1. Report of the chair of section
2. Report of the programme secretary
3. Next year's meeting:
    - Nomination of the 2018 section programme secretary (different from the section chair)
    - Proposals of 2018 Special Interest Symposia (SIS)
    - Proposals of 2018 Courses
    - Proposals for 2019 Keynote speakers
4. Comment on the EVER activities
5. Other business

In addition to the agenda, the sections LC and RV will nominate at least 2 candidates for section chair 2018 - 2022

JM

16:20 - 17:50 | HERMES

FAN Club

FAN

LEROY BP

Cases with retinal imaging are presented and discussed with a panel.
each case presentation lasts for 10 minutes with 5 minutes for discussion. This session is open to all eVer dele- gates.
Presenters at this session are welcome to bring a powerpoint presentation of a single interesting case on a UsB memory key and load it up in the speakers room.
www.fan-int.org

SIS

16:20 - 17:50 | RHODES 1

G - Microglia in retinal neurodegenerative diseases: friend or foe?

Microglia play an important role in the pathology of many neurodegenerative disorders, yet there remains significant uncertainty about their neuroprotective and/or degenerative role in disease. Indeed, whereas the inflammatory response was classically considered a harmful process, it is increasingly clear that both blood-borne and resident inflammatory cells also contribute to CNS repair processes, including the promotion of neuronal survival and axonal regeneration. As a result, therapeutic interventions increasingly seek to modulate rather than simply suppress neuroinflammation.

In this SIS, we explore the involvement of microglia in retinal degeneration. Incorporating recent developments in retinal imaging, histological and bio-image informatics approaches to assess microglial behaviour, we will evaluate the potential of microglia as valuable indicators of disease progression. Furthermore, their changing behaviour in the aging retina/visual system will be discussed, along with its implications for optic nerve repair.

DE GROEF L , DAVIS B

3621	16:20	Contribution of microglia and complement activation to glaucoma progression *VETTER M , Bosco A , Anderson S , Breen K , Romero C , Steele M , Chiodo V , Boye S , Hauswirth W , Tomlinson S - Salt Lake City*
3622	16:38	Contribution of microglia-mediated neuroinflammation to retinal degenerative diseases *Boia R , Madeira MH , Aires ID , Neves CR , Ambrósio AF , SANTIAGO AR - Coimbra*
3623	16:56	Characterizing microglia activation: a spatial statistics approach to maximize information extraction *DAVIS B , Salinas-Navarro M , Cordeiro MF , Moons L , De Groef L - London*
3624	17:14	Ocular inflammation as a motor for axonal regeneration in the optic nerve *FISCHER D - Düsseldorf*
3625	17:32	“Inflammaging" in the zebrafish visual system *MOONS L , Bollaerts I , Van houcke J , Vanhunsel S , Beckers A , Lemmens K , De Groef L - Leuven*

SIS

16:20 - 17:50 | RHODES 2

COS - New advances in ocular imaging

High resolution imaging of the eye has become critical to improving the diagnosis, assessment of severity, and evaluation of treatment of eye diseases. In this SIS, we will see the interest in our everyday practice, through practical example; of the newest technologies in ocular imaging that are now becoming more easily accessible.

GICQUEL J , PISELLA PJ

3631		16:20	Why should you buy a Shack-Hartman aberrometer for your everyday practice ? *GICQUEL JJ - Saint Jean d'Angély*
3633	*	17:04	Emerging applications of adaptive optics retinal imaging *VABRE L , Chateau N - Orsay*
3634		17:26	High resolution anterior segment OCT and lamellar corneal surgery *NUBILE M - Chieti*

JM

16:20 - 17:50 | RHODES 3

PO: OOG Ocular Oncology Group I

KIVELA T , KILIC E

3641		16:20	Small fatal choroidal melanomas: A survey by the European Ophthalmic Oncology Group *JOUHI S , Jager M , Desjardins L , Eide N , Rospond-Kubiak I , Caujolle JP , Grange JD , Kiilgaard JF , Scheen L , Midena E , Raffaele P , Kivelä T - Helsinki*
3642		16:32	miRNA profiling of uveal melanoma exosomes as a metastatic risk biomarker *KILIC E , Smit K , Van Poppelen N , Lunavat T , Derks K , Vaarwater J , Verdijk R , Mensink H , Lötvall J , De Klein A - Rotterdam*
3643		16:44	Absence of nuclear Programmed cell death 4 as an indicator of poor prognosis in uveal melanoma patients *AHMED I , Kalirai H , Angi M , Coupland S - Liverpool*
3644		16:56	Nestin expression in primary and metastatic uveal melanoma *DJIRACKOR L , Shakir D , Kalirai H , Petrovksi G , Coupland S - Liverpool*
3645	*rf*	17:08	Protein kinase inhibitors for targeting tumor-initiating cells in uveal melanoma *CABRE ESTIVILL E , Pereira E , Vinyals A , Lorenzo D , Varela M , Piulats JM , Caminal JM , Fabra A - L'Hospitalet de Llobregat*
3646		17:14	Macular features assessed by optical coherence tomography-angiography after proton beam therapy for choroidal melanoma *LUMBROSO L , Sellam A , Coscas F , Dendale R , Levy C , Coscas G , Desjardins L , Cassoux N - Paris*

SIS

16:20 - 17:50 | RHODES 4

NSPH/MBGE - Mitochondrial disorders and the eye

Based on the latest epidemiological data, mitochondrial diseases affect at least 1 in 5,000 people in the general population. Remarkably, ocular involvement occurs in at least half of all patients with confirmed mitochondrial disease and the two most common phenotypes are visual loss associated with primary retinal ganglion cell loss and optic atrophy and extraocular muscle pathology leading to progressive ophthalmoplegia and ptosis. Visual impairment can also arise due to outer retinal degeneration. This session will provide a clinically relevant overview of mitochondrial eye diseases and the multisystemic complications that can be associated with this group of disorders.

YU-WAI-MAN P , VOTRUBA M

3651		16:20	Primary mitochondrial optic neuropathies *BARBONI P - Bologna*
3652		16:38	Retinal involvement in mitochondrial diseases *LEROY BP - Ghent*
3653	✶	16:56	Chronic progressive external ophthalmoplegia *YU-WAI-MAN P - Cambridge*
3654		17:14	Neurological involvement in mitochondrial eye diseases *LA MORGIA C , Caporali L , Di Vito L , Carbonelli M , Valentino ML , Liguori R , Barboni P , Carelli V - Bologna*
3655		17:32	Patient management – genetic testing and practical considerations *LISKOVA P , Kolarova H , Kousal B , Honzik T - Prague*

C

16:20 - 17:50 | GALLIENI 1+2

PBP - Noninvasive morphological and functional imaging in the eye

✶ Beginner

The aim of this course is to introduce and review different optical technologies allowing the non-invasive imaging of both morphological features and functional parameters in the anterior and posterior part of the eye.
The speakers will present the physical concepts of the imaging modalities, discuss the limitations and will demonstrate their application for preclinical and clinical imaging.

WERKMEISTER R , LEITGEB RA

3661		16:20	Anatomy and physiology of the anterior eye segment *WERKMEISTER R - Vienna*
3662		16:38	Doppler OCT - functional imaging in the retina *ASCHINGER G - Vienna*
3663	✶	16:56	OCT Angiography *LEITGEB RA - Vienna*
3664		17:14	Multifunctional OCT for preclincial imaging *BAUMANN B - Vienna*
3665		17:32	Photoacoustic imaging and its preclinical application in ophthalmology *LIU M - Vienna*

SIS

16:20 - 17:50 | GALLIENI 4

NSPH - Ancient eyes

Vision had to start somewhere and well-preserved Cambrian fossils reveal the evolution of vision through the world's oldest eyes. Likewise, eye has been an ancient symbol of protection, royal power and good health, with the Egyptian Eye of Horus as an example. Furthermore, it has been the subject of conflicting interpretations since antiquity. Many ancient physicians and philosophers, such as Plato, Aristotle, Galen, Leonardo and Kepler, made the eye a subset of special study. Finally, eyes play an important role in the history of visual Arts, including painting, sculpture, drawing, design, etc. We will take a look at topics, which show the importance of ancient eyes along the history.

GRZYBOWSKI A , ASCASO F

3671	16:20	The earliest eyes on Earth *ASCASO FJ - Zaragoza*
3672	16:38	Eye of Horus *GRZYBOWSKI A - Olsztyn*
3673	16:56	The eye according to Byzantines medical writers *TROMPOUKIS C - Chios*
3674	17:14	Artistic depictions of the eyes and blindness throughout history *BULLOCK J - Kettering*
3675	17:32	The evolution of oculoplastic operations *PAPADAKIS M - Wuppertal*

SIS

16:20 - 17:50 | GALLIENI 5

MBGE/LC - Radiation-induced cataracts

The lens of the eye is discussed to be more radiosensitive than previously thought but, despite a substantial reduction in occupational dose limits based on recent epidemiological information and reanalyses, the mechanisms of low dose radiation cataract induction are still unclear. Since it is an important current public health issue, this SIS brings together experts to discuss a number of key research questions on this topic, including: how does low dose radiation cause cataracts; is there a dose rate effect, and how does genetic background influence cataract development after radiation exposure. The speakers will demonstrate various mouse models as well as cellular studies in investigating the mechanistic chain of events from the initial radiation insult and biological responses through to formation of lens opacities.

GRAW J , AINSBURY L

3681	16:20	Lifetime Study in mice: radiation-induced cataract *DALKE C , Kunze S , Rößler U , Neff F , Greiter M , Gomolka M , Hornhardt S , Garrett L , Unger K , Rosemann M , Azimzadeh O , Wurst W , Zitzelsberger H , Hölter SM , Tapio S , Kulka U , Atkinson M , Graw J - Neuherberg*
3682	16:42	Radiation-induced cataracts *BARNARD S , Moquet J , Lloyd S , Ellender M , Ainsbury E , Quinlan R - Didcot*
3683	17:04	The role of the Shh signaling pathway in radio-induced cataractogenesis *De Stefano I , Giardullo P , Tanno B , Leonardi S , Pasquali E , Babini G , Saran A , MANCUSO MT - Rome*
3684	17:26	Radiation-induced cataracts *QUINLAN R , Kalligeraki A , Uwineza A , Jarrin M , Pal R - Durham*

PS

18:15 - 18:45 | HERMES

Chibret Lecture

3711 The pre-Descemets corneal layer (Dua's layer): Controversy and clinical applications
DUA HS - Nottingham

EVER

20th Anniversary

INVITATION

EVER 20th Anniversary

in Acropolis Convention Center

Walking dinner

Friday 29 September 2017

From 19:00 to 22:00

EVER 2017
SATURDAY
SEPT 30

SIS

8:30 - 10:00 | HERMES

RV - Controversies in the management of maculopathies

The proposed special interest symposium aims to tackle topics of controversy in the management of macular disease. These controversies follow the introduction of new treatments for particular macular pathology entities or involve management options whose efficacy or safety have yielded contradictory results in the clinical practice or literature.

The proposed format of the symposium is in the form of three debates with a panel of known experts supporting or not the management option in question

PAPASTEFANOU V , XIROU T

4111	8:30	Surgical management of diabetic macular edema - For *POURNARAS JA - Lausanne*
4112	8:45	Surgical management of diabetic macular edema - Against *CHATZIRALLI I - Athens*
4113	9:00	Ocriplasmin in the treatment of vitreomacular traction - For *XIROU T , Chatziralli I - Glyfada*
4114	9:15	Ocriplasmin in the treatment of vitreomacular traction - Against *ZAMBARAKJI H - London*
4115	9:30	Anti-VEGF intravitreal injections in the management of radiation maculopathy - For *KIVELÄ T - Helsinki*
4116	9:45	Anti-VEGF intravitreal injections in the management of radiation maculopathy - Against *PAPASTEFANOU V - London*

FP

8:30 - 10:00 | RHODES 1

G - From bench to bedside

NORMANDO EM , ROUSSEAU A

4121		8:30	Effects of docosahexaenoic acid on the viability of human tenon's fibroblasts *DE LAZZER A , Acar N , Bretillon L , Bron AM , Creuzot Garcher C - Dijon*
4122		8:42	Effects of Caveolin-1 ablation in the inner retina under healthy and experimental glaucoma conditions *ABBASI M , Gupta V , Dheer Y , Joseph C , Vanderwall R , Graham SL - Sydney*
4123		8:54	Global histone modifications predict the outcome of glaucoma surgery *JEON S , Park H Y L , Kim JH , Jung Y , Park CK - Seoul*
4124		9:06	Inflammatory changes in aqueous induced by diabetes in open angle glaucoma patients *PANTALON A , Constantinescu D , Feraru C - Iasi*
4125	*rf*	9:18	Early signs of microglial activation in mice retinas contralateral to experimental glaucoma: quantitative analysis of cells number, processes retraction and reorientation *DE HOZ R , Ramirez AI , Gonzalez-Martin R , Ajoy D , Salazar JJ , Salobrar-Garcia E , Rojas B , Triviño A , Ramirez JM - Madrid*
4126	*rf*	9:24	Qualitative early signs of microglial activation in mice retinas contralateral to experimental glaucoma *RAMIREZ JM , Salobrar-Garcia E , Ajoy D , Gonzalez-Martin R , De Hoz R , Salazar JJ , Rojas B , Triviño A , Ramirez AI - Madrid*
4127	*rf*	9:30	Aqueous inflammatory proteasome in open angle glaucoma in Caucasian patients *PANTALON A , Feraru C , Constantinescu D - Iasi*
4128	*rf*	9:36	Association of apolipoprotein E with a risk of primary open-angle glaucoma *SZAFLIK JP , Nowak A , Rozpedek W , Siwak M , Szymanek K , Szaflik M , Szaflik J , Majsterek I - Warszawa*

SIS

8:30 - 10:00 | RHODES 2

COS - Science and practice of crosslinking

Topo- and tomographical indices in keratoconus and in case of progression -as indication for crosslinking- are summarized.
The effect of crosslinking on parameters of Ocular Response Analyser are described.
The effect of crosslinking on human corneal cells, microorganisms and on viral, bacterial, mycotic and acanthamoeba keratitis is summarized.

SZENTMARY N

4131		8:30	Topo- and tomographical keratoconus indices in case of progression *LANGENBUCHER A , Szentmary N , Eppig T - Homburg*
4132		8:48	Application of OCT in diagnosis and treatment of keratoconus patients *WYLEGALA E , Dobrowolski D , Wylegala A - Katowice*
4134		9:24	Crosslinking in infectious corneal ulcers and Terrien marginal degeneration *BARRAQUER RI , Alvarez de Toledo J , Lamarca J - Barcelona*
4135		9:42	Crosslinking in infectious keratitis- experimental and clinical data *SZENTMARY N - Budapest*

JM

8:30 - 10:00 | RHODES 3

PO: OOG Ocular Oncology Group II

HADJISTILIANOU T , DESJARDINS L

4141	*rf*	8:30	Preliminary results: Comprehensive national retinoblastoma cohort in Finland - RB1 mutation spectrum *NUMMI K , Kivelä T - Helsinki*
4142		8:36	Outcome of Retinoblastoma Patients Treated According to the University Hospital of Siena Guidelines *CORIOLANI G , Galimberti D , Guglielmucci DF , Caini M , De Francesco S , Esposti G , Bracco S , Galluzzi P , Toti P , Pinto AM , Favre C , Grosso S , Hadjistilianou T - Siena*
4143		8:48	A case of misdiagnosed diffuse infiltrating retinoblastoma *ESPOSTI G , Borri M , De Francesco S , Coriolani G , Hadjistilianou T - Siena*
4144		9:00	Orbital recurrence of uveal melanoma after 45 years from enucleation *HADJISTILIANOU T , Galluzzi P , Toti P , Menicacci F , Menicacci C , Daini R , Pica A , Zografos L - Sienna*
4145		9:12	A review of orbital tumors in adult Portuguese population *TEIXEIRA F , Barata A , Pinto-Ferreira N , Mano S , Pinto F , Fonseca A - Lisboa*
4146		9:24	Adult orbital precursor B-lymphoblastic lymphoma with involvement of the extraocular muscles *MIKKELSEN LH , Ejstrup R , Clasen-Linde E , Andersen MK , Gjerdrum MLR , Heegaard S - Copenhagen*

JM

8:30 - 10:18 | RHODES 4

FRO: Belgian Fund for Research in Ophthalmology 1

TASSIGNON MJ , CASPERS L

4151	8:30	CLP-PEG scaffold development: towards conjunctival tissue engineering *VAN ACKER S - Wilrijk*
4152	8:42	Corneal mesenchymal stem cell derived exosomes: new therapeutic option for corneal wound healing *VAN DEN BOGERD B - Wilrijk*
4153	8:54	Corneal thinning post crosslinking: fact or fiction? Solving the mystery by in-vivo measurements of corneal refractive index *CONSEJO A - Antwerpen*
4154	9:06	Discovering and elucidating the role of non-coding defects in the CHM region in the pathogenesis of choroideremia *VAN DE SOMPELE S - Gent*
4155	9:18	Evaluation of blood retinal barrier breakdown in non-infectious uveitis through an endothelium transcriptomic approach *FOUCART V - Bruxelles*
4156	9:30	Exploring the role of cis-acting non-coding variation in inherited blindness: the ABCA4 gene in Stargardt disease as a model *BAUWENS M - Ghent*
4157	9:42	Immunomodulatory capacity of corneal derived MSCs and keratocytes *MATTHYSSEN S - Edegem*
4158	9:54	Incretins, a new target for neuroprotection in glaucoma therapy? *LEMMENS S - Leuven*
4159	10:06	Inhibition of a hyperactive kinase signaling hub as a novel and integrative therapy for diabetic retinopathy *SERGEYS J - Leuven*

C

08:30 - 10:00 | GALLIENI 1+2

✶✶✶ Advanced

RV - OCT-angiography for the evaluation and management of macular pathologies

OCT angiography (OCT-A) as a new non-invasive imaging technology that enables the monitoring of the macular retinal and choroidal circulation. OCT-A allows a detailed detection either of the macular retinal capillaries plexus as well as the subretinal choroidal neovascularisation. The correlation of OCT-A with OCT longitudinal or “en face” sections resulted to a better understanding of the pathologic features of the macular degenerative or vascular pathologies. OCT-A became a useful imaging modality in the evaluation and management of macular hemodynamic changes observed during the evolution of the retinal ischemic micronagiopathies, age related maculopathies related to a subretinal neovascularisation as well as the vitreoretinal interface surgical pathologies. The aim of this course is to present the most recent findings for the evaluation of macular pathologies and to have an interactive session.

COSCAS G , POURNARAS C

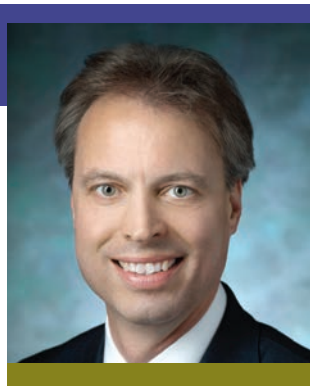
1311		08:30	Principles and techniques; pearls and pitfalls *LUPIDI M , Coscas G , Coscas F - Perugia*
1312	✶	08:42	OCT-A et critères d’activité *COSCAS G , Lupidi M , Coscas F - Creteil*
1313	✶	08:54	OCT-A and assessment of CNV retreatment *COSCAS F , Coscas G , Souied EH - Creteil*
1314	✶	09:06	OCT-A A in CSC and in MacTel type 2 *MAUGET-FAYSSE M , Wolff B , Vasseur V , De Bats F - Paris*
1315		09:18	OCT-A in ocular oncology *ZOGRAFOS L - Lausanne*
1316		09:30	OCT-A: Diagnosis and management of surgical macular pathologies *POURNARAS C - Genève*
1317		09:42	OCT-A and Diabetic maculopathy; automated assessement *LUPIDI M , Cagini C , Coscas F , Coscas G - Perugia*

Ophthalmic Research
Journal for Research in Experimental and Clinical Ophthalmology

PS

10:20 - 10:50 | HERMES

Ophthalmic Research Lecture by Hendrik SCHOLL



EMERGING THERAPIES FOR RETINAL AND MACULAR DYSTROPHIES

Hendrik SCHOLL - Bonn

HERMES

10:20 Introduction by Francesca M. CORDEIRO

10:25 **Emerging therapies for retinal and macular dystrophies**
Inherited retinal degenerative diseases, a genetically and phenotypically heterogeneous group of disorders, affect the function of photoreceptor cells and are among the leading causes of blindness. Recent advancs in molecular genetics and cell biology are elucidating the pathophysiological mechanisms underlying these disorders and are helping to identify new therapeutic approaches, such as gene therapy, stem cell therapy, and optogenetics. Several of these approaches have entered the clinical phase of development. Artificial replacement of dying photoreceptor cells using retinal prostheses has received regulatory approval. Precise retinal imaging and testing of visual function are facilitating more efficient clinical trial design. In individual patients, disease stage will determine whether the therapeutic strategy should comprise photoreceptor cell rescue to delay or arrest vision loss or retinal replacement for vision restoration.

10:50 *Award presentation of the Certificate of Honour*

Biography of Prof. Hendrik SCHOLL:

Hendrik P.N. Scholl, M.D., M.A. is Professor and Chairman of the Department of Ophthalmology, University of Basel, and Adjunct Professor of Ophthalmology at the Wilmer Eye Institute, Johns Hopkins University. He received his M.D. from the Eberhard Karls University of Tuebingen, Germany, and did his residency at the Centre for Ophthalmology, University of Tuebingen. He did a clinical research fellowship at Moorfields Eye Hospital, London, UK. In 2004, he was awarded a Heisenberg-Fellowship of the German Research Foundation for his achievements in the field of macular degeneration and subsequently joined the faculty at the Dept. of Ophthalmology, University of Bonn for 5 years until he was recruited to the Wilmer Eye Institute in 2010 where was leading the retinal degeneration clinic and the Visual Neurophysiology Service of the Johns Hopkins Hospital until 2016.

Dr. Scholl specializes in medical and surgical management of retinal diseases such as age-related macular degeneration and diabetic retinopathy. He has a specific expertise in inherited retinal and macular degenerations. He has published more than 100 peer-reviewed original and review articles, inside and outside the eye literature in such journals as Nature, Nature Genetics, Journal of Immunology, American Journal of Human Genetics, Human Molecular Genetics and PLoS ONE. His group is working on outcome measures for clinical trials in retinal degenerative diseases.

Dr. Scholl is member of the steering committee and coordinator of the Expert Committee on Retinal Dystrophies, European Vision Institute Clinical Research Network (EVICR.net). He is Associate Editor (Genetics) of Ophthalmic Research and member of the editorial board of Translational Vision Science & Technology (TVST), JAMA Ophthalmology and Ophthalmologica.

Dr. Scholl has received numerous awards including the European Vision Award in 2008, the Wynn-Gund Translational Research Award by the Foundation Fighting Blindness and the Macular Degeneration Research Award by the American Health Assistance Foundation in 2010, the Visionary Award from the Foundation Fighting Blindness and the ARVO Foundation/Pfizer Ophthalmics Carl Camras Translational Research Award in 2014, and the President's Award from the American Society of Retina Specialists in 2015.

POS

10:50 - 12:00 | POSTER AREA

COS: Cornea/Ocular Surface

Poster S001-S038

SZENTMARY N , WYLEGALA E

S001 *rf*
In vivo evaluation of voriconazole eye drops efficacy in a rat Acanthamoeba polyphaga keratitis model
GUEUDRY J , Le Goff L , Compagnon P , Lefevre S , Camille A , Duval F , Francois A , Razakandrainibe R , Favennec L , Muraine M - Rouen

S002 *rf*
Hydrops: Not that bad!
MEKKI MB , Said Y , Okba T , Taibi A - Algiers

S003 *rf*
Two photon microscopic findings of sonoporation-assisted enhancement of corneal penetration of fluoroquinolone antibiotics
LEE JA , Jeong H , Kim JY , Tchah H , Kim KH , Kim MJ - Seoul

S004 ✶ *rf*
Efficacy of a RAR selective agonist eye drop formulation on improvement of tear production and corneal fluorescein staining in the BTX-B mouse model of dry eye disease
LEMIRE I , Harvey M , Grogan D , Desjardins C - Montreal

S005 *rf*
Graft blues: case report
THURET G , Marcon A , Perillat N , Jullienne R , Garcin T , He Z , Peoc'H M , Gain P - Saint Etienne

S006
Comparison between over-glasses patching and conventional patching for children with moderate amblyopia : a prospective randomized clinical trial
KIM SJ , Lee SU , Lee JE - Changwon-si

S007 ✶
Micro-instillation of fluorescein with an inoculation loop for ocular surface staining in dry eye syndrome.
RENAULT D , Courrier E , Kaspi M , Marcon A , Lambert V , Garcin T , Chiambaretta F , Garhofer G , Thuret G , Gain P - Saint Etienne

S008
Does femtosecond laser assisted penetrating keratoplasty lead to less astigmatism in keratoconus patients, compared with conventional penetrating keratoplasy?
STEN LGB , Råen M , Brevik T B , Drolsum L - Oslo

S009
Corneal confocal microscopy assessment in contact lens discomfort
CANADAS SUAREZ P , López-de la Rosa A , Arroyo-del Arroyo C , López-Miguel A , Enríquez-de-Salamanca A , Gonzalez-Garcia MJ - Valladolid

S010
Effects of trypan blue on corneal endothelial cell viability ;Optimal time of Trypan Blue Dye Application to DMEK donor tissue
KIM EY , Kim SY - Uijeongbu-Si

S011
Use of sodium hyaluronate in combination with a blood derivative in the re-epithelialization of rabbit corneas
ANDOLLO N , Suarez-Barrio C , Hernáez-Moya R , Vicario M , Herrero-Vanrell R , Molina-Martínez IT , Durán JA , Etxebarria J - Leioa

S012
Evaluation of visual quality parameters after Descemet membrane endotelial keratoplasty (DMEK)
GAVIN SANCHO A , Romero Sanz M , Idoipe Corta M , Mateo Orobia A , Sanchez Perez A , Garcia-Martin E , Satue Palacian M - Zaragoza

S013
Interference of TRPA1 function affects background activity of corneal cold thermoreceptors in ageing mice
GALLAR J , Rincón-Frutos L , Luna C , Velasco E , Aracil A , Diaz-Tahoces A , Acosta MC - San Juan de Alicante

S014
Femtolaser-assisted vs manual anterior lamellar keratoplasty in patients with keratoconus
KAZAKBAEV R , Bikbov M , Usubov E , Kazakbaeva G - Ufa

S015
Progressive changes in visual function after Descemet membrane endotelial keratoplasty
ROMERO SANZ M , Gavín Sancho A , Satué Palacián M , Mateo Orobia A , Sánchez Pérez-Borbujo A , García Martín E , Blasco Martínez A , Idoipe Corta M - Zaragoza

POS

10:50 - 12:00 | POSTER AREA

COS: Cornea/Ocular Surface

Poster S001-S038

SZENTMARY N , WYLEGALA E

S016 Ocular cicatricial pemphigoid secondary to intravitreal implant of ranibizumab: a case report
LOPEZ SANGROS I , Marco Monzón S , Bartolomé Sensé I , Berniolles Alcalde J , Sanchez Marin JI , Idoate Domenech A , Ascaso Puyuelo J , Del Buey Sallas MA - Zaragoza

S017 Assessment of endothelial quality of pre-stripped DMEK grafts prepared using the Muraine technique
HE Z , Thuret G , Toubeau D , Lefevre S , Gain P , Muraine M - Saint-Etienne

S018 Discomfort self-perception in contact lens wearers
Pastor-Zaplana JA , Morales-Villellas M , GALLAR J , Acosta MC - San Juan de Alicante

S019 Bioactive sphingolipid mediators promote corneal epithelial homeostasis and wound healing
TRZECIECKA AM , Piqueras MC , Bhattacharya SK - Miami

S020 Corneal haze in juvenile and adult keratoconus patients after corneal cross-linking
ALZAHRANI K , Carley F , Brahma A , Mofty H , Biswas S , Lin Y , Morley D , Hillarby C - Manchester

S021 The use of corneal scrubbing associated with matrix therapy in the treatment of chronic ulcers
LAZREG S , Christophe B - Blida

S022 Refractive Lenticule Transplantation (RLT) for correction of iatrogenic hyperopia and high astigmatism after LASIK
LAZARIDIS A , Reinstein DZ , Archer TJ , Schulze S , Sekundo W - Abu Dhabi

S023 The efficacy of heating devices to warm the lids
ALMUTAIRI R , Hagan S , Madden LC , Pearce EI - Glasgow

S024 Corneal melting and perforation under topical moxifloxacin and tobramycin: case report
CASPERS S , Noël M , Le A , Janssens X , Willermain F , Caspers L - Brussels

S025 Mushroom keratoplasty
NAHAS S , Silvana M - Southend

S026 Confocal characterization of recurrent corneal erosion syndrome suspects
SMEDOWSKI A , Mazur R , Tarnawska D , Wylegala E - Katowice

S027 Mean shape of the human sclera
CONSEJO A , Iskander RD , Rozema JJ - Antwerpen

S028 The impact of daily disposable soft contact lens wear on tear film surface quality over a three month period
MOUSAVI M , Garaszczuk IK , Jesus DA , Szczesna-Iskander D , Iskander DR - Wroclaw

S029 Exploratory ocular surface distribution studies of Azithromycin formulations based on semifluorinated alkanes
FISCHER K , Grillenberger R , Amar T , Krösser S - Heidelberg

S030 Softacort®, preservative-free Hydrocortisone 0.335% drops: A new anti-inflammatory drop with minimal effects on intraocular pressure
SHORTT A , Rolando M - London

S031 Association of incidental epithelialization of corneal endothelium with endothelial barrier impairment
Smedowski A , Mazur R , Tarnawska D , WYLEGALA E - Katowice

S032 Femtosecond assisted intracorneal segments implantation for mild to moderate keratoconus: long term results
KONTADAKIS G , Parikakis E , Kaprinis K , Stoupaki M , Nikas S , Konstantinidou V , Peponis V - Athens

S033 Complete corneal ring (MyoRing) implantation combined with corneal collagen crosslinking in keratoconus treatment
EMIN U , Mukharram B , Gyulli K , Guzel B - Ufa

POS

10:50 - 12:00 | POSTER AREA

COS: Cornea/Ocular Surface

Poster S001-S038

SZENTMARY N , WYLEGALA E

S034 Corneal clarity measurements in patients with myopia undergoing laser assisted in situ keratomileusis and laser assisted sub-epithelial keratectomy
ALZAHRANI K , Din N , Brahma A , Carley F , Hillarby MC - Manchester

S035 Recombinant human heat shock protein 27 can inhibit ultraviolet B-induced differentiation in pterygial-derived fibroblast
KIM JY , Moon CH , Shin JA , Kang SS , Kim ES , Tchah H - Seoul

S036 Corneal clarity after Descemet membrane endothelial keratoplasty versus Descemet stripping endothelial keratoplasty: Two-year outcomes
LAZARIDIS A , Giallouros E , Sekundo W , Kymionis G , Papaconstantinou D , Chatzistefanou K , Droutsas K - Abu Dhabi

S037 Short-term in vivo morphologic changes of amniotic membrane after fibrin glue-assisted pterygium surgery on anterior segment optical coherence tomography: a case series
LIM S - Daegu

S038 Ultraestructural analysis of human pre-Descemet's tissue
GONZALO-SUAREZ B , Ramirez AI , De Hoz R , Salazar JJ , Rebolleda G , Casas-Llera P , Rojas B , Triviño A , Ramirez JM - Madrid

POS

10:50 - 12:00 | POSTER AREA

G: Glaucoma

Poster S039-S071

ABEGAO PINTO L , BONO V

S039 *rf* Early signs of microglial activation in mice retinas contralateral to experimental glaucoma: quantitative analysis of cells number, processes retraction and reorientation
DE HOZ R , Ramirez AI , Gonzalez-Martin R , Ajoy D , Salazar JJ , Salobrar-Garcia E , Rojas B , Villegas-Perez MP , Triviño A , Ramirez JM - Madrid

S040 Comparative study of retinal nerve fiber layer and ganglion cell complex thickness between Korean patients with unilateral exfoliation syndrome and normal control
LIM S - Daegu

S041 *rf* Efficacy and safety of the pars plana clip in the Ahmed valve device in patients with refractory glaucoma
IBANEZ J , Perez Garcia D , Martinez J , Sanchez I , Idoate A , Berniolles J , Bartolome I , Lopez I , Ascaso J - Zaragoza

S042 *rf* Three year results of iStent + Phacoemulsification cataract surgery for glaucoma
LEWIS A , Ramanathan D , Wong C , Imonikhe R , Ansari E - Maidstone

S043 ✶ *rf* Supracilliary Micro-Stent (CyPass®) is associated with lack of disease progression and minimum usage of IOP lowering medications in patients with POAG 2-Years Post-Implantation
UZUNOV R , Ianchulev T , Dickerson J - Cointrin - Geneva

S044 *rf* Follow-up of non-complicated filtering surgeries under ambulatory care with no control at Day 1
JEANCOLAS AL , Conart JB , Trechot F , Berrod JP , Angioi-Duprez K , Maalouf T - Vandoeuvre les Nancy

S045 ✶ IOP-lowering efficacy of prostaglandin analogues adjunctive to a Supercilliary Micro-Stent (CyPass®)
UZUNOV R , Landry T , Dickerson J - Cointrin - Geneva

S046 ✶ Ultrasound ciliary plasty to treat glaucoma: efficacy and safety results on 152 patients
APTEL F , Rouland JF - Meylan

S047 ✶ Computational fluid dynamics simulations of aqueous flow through the CyPass® Micro-Stent
VIDAL AROCA F , Vera LF , Missel P , Sarangapani R - Milan

S048 Trabeculectomy: evaluation of the area exposed to mitomycin C
PINTO FERREIRA N , Sousa D , Mano S , Medeiros Pinto J , Barata A , Abegão Pinto L - Lisbon

S049 Clinical manifestations of reverse pupillary block after scleral-fixated intraocular lens implantation: Pre- and post-laser peripheral iridotomy
KIM JM , Lee KB , Han JI , Jung JJ - Seoul

S050 Positional and shape changes of lamina cribrosa after trabeculectomy in pseudoexfoliative and primary open angle glaucoma
KADZIAUSKIENE A , Strelkauskait E , Ašoklis R , Girard MJA , Schmetterer L - Vilnius

S051 *rf* Interest of analysis of circumpapillary retinal nerve fibers layer thickness at different measurement diameters
EL CHEHAB H , Agard E , Loria O , Théo L , Dot C – Lyon

S052 *rf* Screening for glaucoma progression by using non-parametric tests
PANTALON A , Chiselita D , Feraru C - Iasi

S053 *rf* Prospective comparison of global visual field indices and cluster progression in glaucoma and their relationship to structural changes
BONO V , Normando EM , Davis B , Cordeiro MF - Avellino

S054 *rf* Reproducibility of angle metrics in children using hand-held spectral domain optical coherence tomography: intra-observer and inter-observer variability

POS

10:50 - 12:00 | POSTER AREA

Glaucoma

Poster S039-S071

ABEGAO PINTO L , BONO V

EDAWAJI B , Shah S , Proudlock F , Gottlob I - Leicester

S055 UBM evaluation of mechanisms that drive intraocular pressure (IOP) decrease after ultrasound ciliary plasty (UCP) with high intensity focused ultrasound (HIFU), towards a new explanation of the role of uveoscleral pathway outflow
ROQUANCOURT T , Aptel F , Rouland JF - Lille

S056 Modifications in corneal biomechanics and intraocular pressure after deep sclerectomy
IBANEZ J , Martinez J , Perez D , Sanchez I , Idoate A , Berniolles J , Bartolome I , Lopez I , Ascaso Puyuelo FJ - Zaragoza

S057 Glaucoma in screening of diabetic retinopathy programme
SUMMANEN P , Kivelä T , Sipilä V , Uhlenius N , Von Wendt G - Helsinki

S058 Analysis of changes in individual retinal layer thickness after cataract surgery using spectral-domain optical coherence tomography
KWAK AY , Park SK , Kim CY - Seoul

S059 Application of 3D-ASL technique in observation on cerebral blood flow changes in early and mid-stage primary open angle glaucoma
QING Z - Guangzhou

S060 ISNT rule applicability based on optical coherence tomography parameters in a normal Portuguese population
BARATA A , Teixeira F , Pinto F - Lisboa

S061 Macular thickness after intraocular pressure reduction following trabeculectomy
DRUKTEINIENE E , Strelkauskait E , Kadziauskien A , Ašoklis R , Schmetterer L - Vilnius

S062 First real-life data of use of the new PF-MD glaucoma device (EasyGrip®): Results of the ISY study from Spain and France
DENIS P , Duch S - Lyon

S064 Wait before extrapolating rather than wait between two eyedrops! ... The 1974 Chrai et al.'s study on the albino rabbit may not apply to humans
BAILLEUL H , Beraud G , Denion E - Caen

S065 Prescription pattern of ocular hypotensive drugs in Portugal and its comparison with the European guidelines – PEM Study
PIMENTA G , Sousa DC , Leal I , Marques-Neves C , Abegão Pinto L - Lisbon

S066 Missed opportunities of optimizing glaucoma medical therapy – A nationwide cross-sectional analysis of glaucoma topical therapy in Portugal (PEM Study)
PIMENTA G , Sousa DC , Leal I , Barata A , Marques-Neves C , Abegão Pinto L - Lisbon

S067 Enzymatic Activity of CYP1B1 in primary congenital glaucoma goniodysgenesis and its relation with histological alterations
RAMIREZ AI , Garcia-Anton M , Salazar JJ , De Hoz R , Rojas B , Garcia-Feijoo J , Triviño A , Escribano J , Ramirez JM - Madrid

S068 *rf* Qualitative early signs of microglial activation in mice retinas contralateral to experimental glaucoma
RAMIREZ JM , Salobrar-Garcia E , Ajoy D , Gonzalez-Martin R , De Hoz R , Salazar JJ , Rojas B , ValienteSoriano FJ , Triviño A , Avilés-Trigueros M , Ramirez AI - Madrid

S069 *rf* Aqueous inflammatory proteasome in open angle glaucoma in Caucasian patients
PANTALON A , Feraru C , Constantinescu D - Iasi

S070 *rf* Association of apolipoprotein E with a risk of primary open-angle glaucoma
SZAFLIK JP , Nowak A , Rozp dek W , Siwak M , Szymanek K , Szaflik M , Szaflik J , Majsterek I - Warszawa

S071 Glaucoma assessment tools used by clinicians: old or gold?
MARQUES RE , Sousa DC , Leal I , Sens P , Marques-Neves C , Pinto LA - Lisboa

POS

10:50 - 12:00 | POSTER AREA

LC: Lens and Cataract

Poster S072-S078

ANDJELIC S , LORIA O

S072		Calcium signaling in human lens epithelial cells after mechanical stimulation *ANDJELIC S , Gosak M , Gojic D , Hawlina M - Ljubljana*
S073		Effects of short oxidative stress exposure on lens epithelial cells *D'ANTIN JC , Barraquer RI , Michael R - Barcelona*
S074		Changes in the X-ray diffraction pattern of porcine lens before and after simulated accommodation *AL-ATAWI S , Albon J , Meek K , Hayes S , Bell J , Regini J - Cardiff*
S075		Intraocular implant calculation based on the fellow eye measurements *KALEMAKI M - Heraklion*
S076		Persistent pupillary membrane associated with cataract *IDOATE A , Sanchez Marín JI , Bartolome Sese I , Berniolles Alcalde J , Marco Monzon S , Lopez Sangros I , Ascaso Puyuelo J , Ibañez Alperte J - Zaragoza*
S077	*rf*	Visualization of the light field of multifocal intraocular lenses using a dual wavelength approach *EPPIG T , Rubly K , Schröder S , Rawer A , Langenbucher A - Homburg/Saar*
S078	*rf*	Robotic surgery - a new way to perform cataract surgery *CHAMMAS J , Sauer A , Bourcier T - Strasbourg*

POS

10:50 - 12:00 | POSTER AREA

PO: Pathology/Oncology

Poster S079- S083

VAN GINDERDEUREN R , JAGER MJ

S079 Usefulness of Ret-Cam imaging in diagnosis, treatment and monitoring of retinoblastoma
ROMANOWSKA DIXON B , Morawski K - Krakow

S080 *rf* Preliminary results: Comprehensive national retinoblastoma cohort in Finland - RB1 mutation spectrum
NUMMI K , Kivelä T - Helsinki

S081 High-dose chemotherapy with autologus hematopoeitic stem cell transplantation in relapsing Vitreoretinal Lymphoma, a LOC network study
BENNEDJAI A , Houiller C , Choquet S , Cassoux N , Guesquières H , Marolleau JP , Chabrot C , Jdid I , Lejeune C , Bodaghi B , Le Hoang P , Hoang-Xuan K , Soussain C , Touitou V - Paris

S082 Case of IgG4-related eye disease requiring differentiation from carotid-cavernous fistula
YAMAGISHI A , Oshitari T , Tawada A , Yamamoto S - Chiba

S083 *rf* Protein kinase inhibitors for targeting tumor-initiating cells in uveal melanoma
CABRE ESTIVILL E , Pereira E , Vinyals A , Lorenzo D , Varela M , Piulats JM , Caminal JM , Fabra A - L'Hospitalet de Llobregat

PS

12:00 - 13:00 | HERMES

Prize Award Ceremony & Closing Remarks

Chair: Alain BRON, President EVER 2018

Introduction of the Award Ceremony by Francesca M. Cordeiro, Programme Secretary

- Travel awards presentation by the section chairs
- Poster prize presentations by the section chairs

Presentation and report of the scientific sections meetings

Conclusion of the congress by the President 2018 Alain Bron

Poster awards 2016

Travel awards 2016

SIS

13:00 - 14:30 | HERMES

RV/PO - Surgery of pediatric vitreoretinal disorders

This session will cover the modern surgical techniques for pediatric vitreoretinal diseases such as ROP, PFV etc, as well as to modern developing approaches in treatment of macular degenerations using gene therapy. The speakers are world known experts in their field.

LYTVYNCHUK L , LORENZ B

4411		13:00	Transpupillary laser versus intravitreal Anti-VEGF for the management of acute ROP: where do we stand? *LORENZ B - Giessen*
4412	✶	13:18	Endoscopic vitrectomy for stage 4 ROP *WONG SC - London*
4413		13:36	Surgery in ROP, when is not too late? *FLORES-AGUILAR M - Celaya*
4414		13:54	Novel gene based therapies for inherited retinal dystrophies in pediatric patients *STIEGER K - Giessen*
4415		14:12	Surgical treatment of Persistent Fetal Vasculature (PFV) *LYTVYNCHUK L , Lorenz B - Giessen*

SIS

13:00 - 14:30 | RHODES 1

G - A glaucoma surgery start-up guide - tips and tricks for your first 20 cases

Glaucoma surgery has undergone a renaissance over the last decade with refinement of traditional procedures such as trabeculectomy, deep sclerectomy & tube surgery and the introduction of novel techniques such as ab interno Schlemm's canal surgery (i-Stent, Hydrus, Kahook), sub-conjunctival devices (Xen, InnFocus) & endoscopic Sx (ECP).

Many glaucoma sub-specialists undergo intense fellowship training before embarking on independent practice but no experience specifically prepares you for the first months of your solo career. This SIS is aimed at residents & fellows aiming to become leading glaucoma specialists in the future.

It will provide expert tips & genuine advice from young glaucoma consultants across Europe who will share their expertise on how to prepare for that very first consultant post and what lessons & pitfalls to expect during the first months of independent glaucoma surgery, including handling complex cases and teaching your very own residents and fellows.

The speakers will talk about trabeculectomy, deep sclerectomy, tube surgery, i-Stent, Hydrus, Kahook blade, Xen, InnFocus and ECP with interactive videos and live discussions between the speakers and with the audience.

MERCIECA K , AU L

4421		13:00	Trabeculectomy - what I learned from my first 20 cases *ABEGAO PINTO L - Lisbon*
4422		13:18	Glaucoma Drainage Device (tube) surgery - what I learned from my first 20 cases *ANAND N - Cheltenham*
4423		13:36	XEN implant and UC3 - what I learned from my first 20 cases *VANDEWALLE E - Leuven*
4424	✶	13:54	Ab interno glaucoma surgery - what I learned from my first 20 cases *AU L - Manchester*
4425		14:12	Deep Sclerectomy - what I learned from my first 20 cases *MERCIECA K - Manchester*

FP

13:00 - 14:30 | RHODES 2

COS - Corneal injury & wound healing

GALLAR J , SZENTMARY N

4431		13:00	The suppression of local cytokine production in experimental models of injured cornea after stem cell treatment *KOSSL J , Hermankova B , Javorkova E , Bohacova P , Zajicova A , Holan V - Prague*
4433	*	13:18	Method for assessing the impact of residual roughness after corneal ablation in perception and vision *VERMA S , Hesser J , Arba-Mosquera S - Kleinostheim*
4434		13:30	Optical control of corneal nerve activity using chemical photoswitches *GALLAR J , Ares-Suarez D , Quirce S , Acosta MC , Belmonte C , Meseguer V - San Juan de Alicante*
4435	*rf*	13:42	In vivo evaluation of voriconazole eye drops efficacy in a rat Acanthamoeba polyphaga keratitis model *GUEUDRY J , Le Goff L , Compagnon P , Lefevre S , Camille A , Duval F , Francois A , Razakandrainibe R , Favennec L , Muraine M - Rouen*

JM

13:00 - 14:30 | RHODES 3

OOG Business Meeting

Financial update

Administration

Website

OOG membership

Future meetings

Collaborative studies

Any other business

JM

13:00 - 14:30 | RHODES 4

FRO: Belgian Fund for Research in Ophthalmology 2

TASSIGNON MJ , CASPERS L

4451	13:00	Interventional controlled cross-sectional study assessing the correlation between optic nerve vessels anomalies, serum angiogenic factors and renal anomalies in children with Down syndrome *POSTOLACHE L - Brussels*
4452	13:12	Metabolomics in surgical ophthalmological patients (MISO study) *BARBOSA BREDA J - Leuven*
4453	13:24	Modulating synaptogenesis in mouse iPS derived 3D retinal cultures: a strategy to enhance neural circuit reconstruction post-transplantation *GEORGES A - Liège*
4454	13:36	Neuroinflammation to rebuild neural circuits: unraveling the underlying molecular players *BOLLAERTS I - Leuven*
4455	13:48	Ophthalmological screening and follow up of children with neurofibromatosis type 1 *CASSIMAN C - Leuven*
4456	14:00	Pathophysiological changes of the ocular surface as a result of scleral contact lens wear *BEHAEGEL J - Brussels*
4457	14:12	Peroxisomes and vision: exploring the importance of peroxisomal beta-oxidation for retinal integrity *DASY - Leuven*
4458	14:24	The eye as a miRror: targeting inflammatory miRNAs in age-related ocular diseases *ROBLAIN Q - Liège*

EVER f

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Awardees of the
EVER f Research Fellowships 2016

- Dr Mahajan DEEPTI, India
  host institute : Vision Lab, Cardiff Centre for Vision Sciences,
  Cardiff University, UK

- Dr Narine ADZHEMIAN, Russia
  host institute : Medical University of Vienna, Austria

European Association for Vision and Eye Research Foundation


EBOD Exam 2018
The EBOD Exam 2018 will take place between
the 4th and 5th of May 2018
in the Palais des Congres, Paris
www.ebo-online.org/ebo-exam/exam-information
EBO

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PRÉCIS.
PROUVÉ.

Lucentis® est indiqué chez les adultes :

Nouvelle indication

NVC

- **Dans le traitement de la baisse visuelle due à une néovascularisation choroïdienne (NVC)[1#]**
  Non remboursable et non agréé aux collectivités à la date de janvier 2017 (demande d'admission à l'étude).

Exemples d'étiologies de NVC : Stries angioïdes, choriorétinopathie séreuse centrale, choriorétinopathie idiopathique, choriorétinopathie post-inflammatoire, étiologies diverses[1]

Myopie forte

- **En 1ère intention** dans le traitement de la baisse visuelle due à une néovascularisation choroïdienne (NVC) secondaire à une myopie forte (MF)[1,2]

DMLA

- **En 1ère intention** dans le traitement de la forme néovasculaire (humide) rétrofovéolaire de la dégénérescence maculaire liée à l'âge (DMLA)[1,3]

OMD

- **En 1ère intention** dans le traitement de la baisse visuelle inférieure ou égale à 5/10 due à l'œdème maculaire diabétique (OMD), réservé aux formes diffuses et aux formes impliquant le centre de la macula après une prise en charge optimale du diabète et des facteurs de risque associés à l'OMD[1,4]

OVR

- **En 1ère intention** dans le traitement de la baisse visuelle due à l'œdème maculaire secondaire à une occlusion de branche veineuse rétinienne (OBVR) ou de la veine centrale de la rétine (OVCR)[1,2]

Avant de prescrire, consultez la place dans la stratégie thérapeutique sur www.has-sante.fr

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Autre que la baisse visuelle due à une néovascularisation choroïdienne (NVC) secondaire à une myopie forte et à une DMLA.
✲ Photo non représentative de la taille réelle.

1. Résumé des Caractéristiques du Produit Lucentis®. 2. HAS. Avis de la Commission de la Transparence Lucentis®. 20/05/2015. 3. HAS. Avis de la Commission de la Transparence Lucentis®. 17/06/2015. 4. HAS. Avis de la Commission de la Transparence Lucentis®. 02/12/2015.

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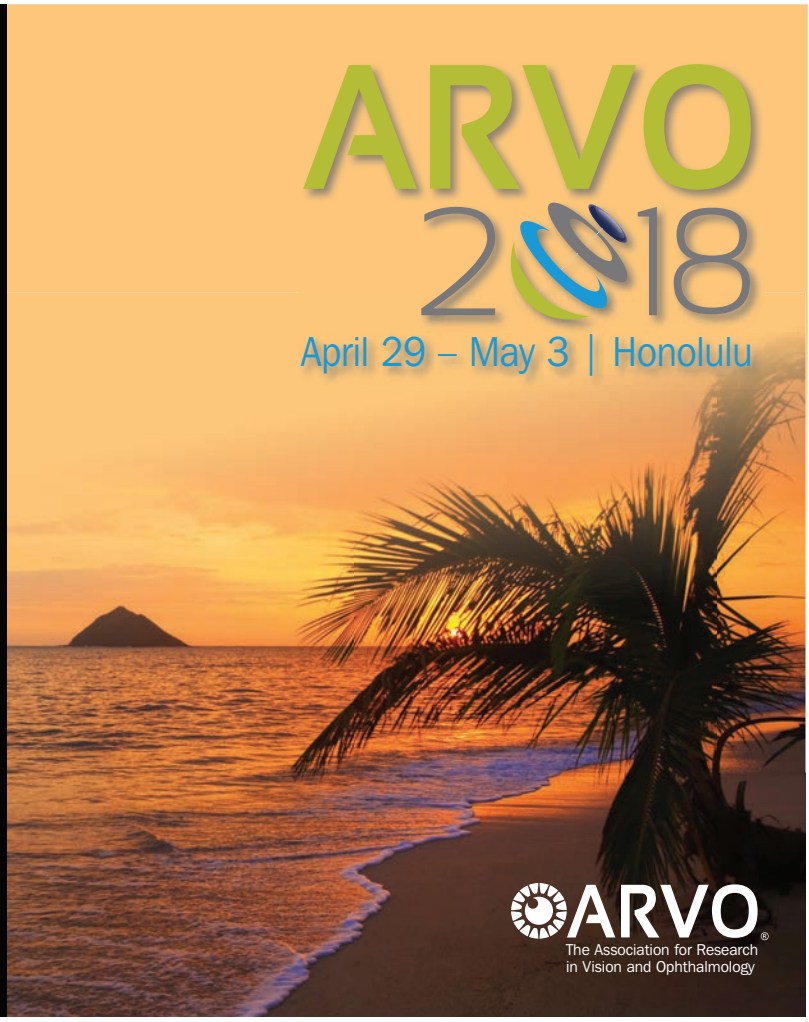

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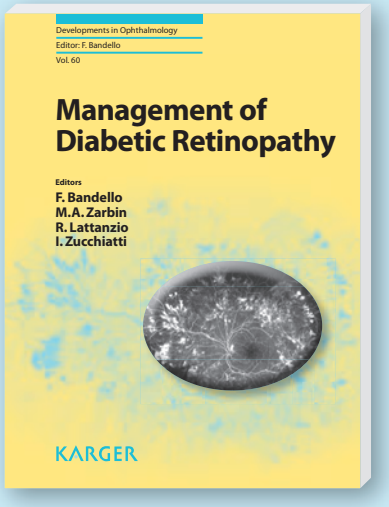

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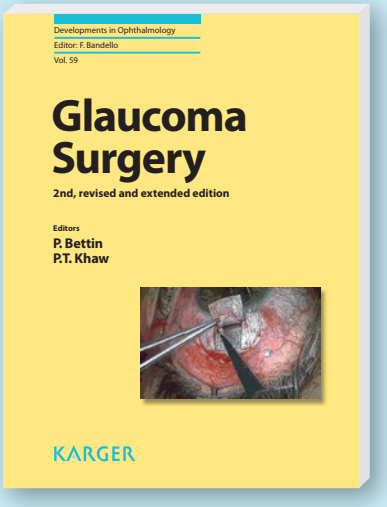

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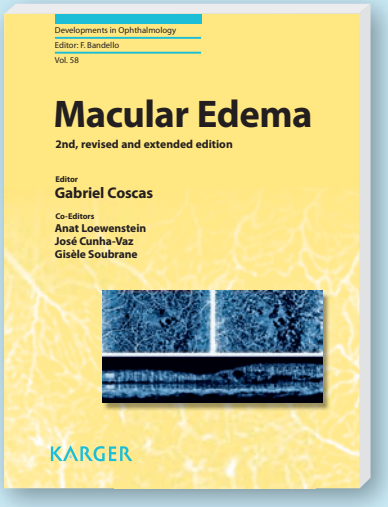

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Macular Edema
2nd, revised and extended edition
Editors: Coscas, G. (Créteil); Loewenstein, A. (Tel Aviv); Cunha-Vaz, J. (Coimbra); Soubrane, G. (Créteil, Paris)
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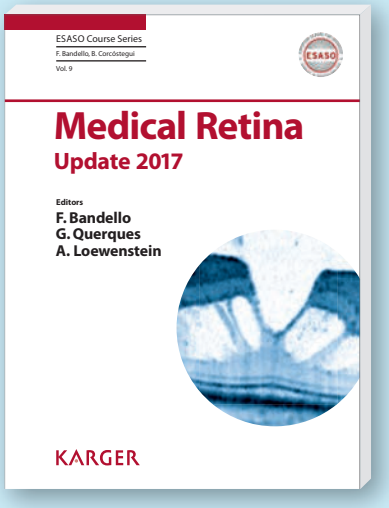

ESASO Course Series, Vol. 9
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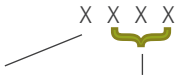

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CONSEIL GENERAL DES ALPES-MARITIMES

WEDNESDAY, SEPTEMBER 27

	HERMES	RHODES 1	RHODES 2	RHODES 3	RHODES 4	GALLIENI 1&2	GALLIENI 4	GALLIENI 5
11:30 - 13:00	RV - Anti-VEGF, surgery, toxic maculopathy *SOUIED E - POURNARAS C*	G - Advances in glaucoma diagnosis *NORMANDO EM - CORDEIRO MF*	IM - EBO course: Intraocular inflammation and infection (part I) *BODAGHI B - HERBORT CP Jr*	PBP - Physiological imaging *STEFANSSON E - HEITMAR R*	ACB - Why and how to perform proteomics? *UUSITALO H - BEUERMAN R*	MBGE - Genes and regulation of eye development *GRAW J - CVEKL A*	EOVS - Basic principles of state-of-the-art ophthalmic instrumentation *IRSCH K - BERNARDES R*	EVER 2017 Late-breaking session (until 13:30) *BIRD AC - BHATTACHARYA SS*
14:00 - 15:30		G - Glaucoma neuroprotection - feasibility and application *CORDEIRO MF - LEVIN LA*	IM - EBO course : Intraocular inflammation and infection (part II) *BODAGHI B - HERBORT CP Jr*	LC/RV/COS - Flat-mount techniques of eye tissues *LÖFGREN S - THURET G*	MBGE - Grand rounds in human and mouse ophthalmic genetics *LEROY BP - GRAW J*	PBP - Insults related to a cause for retinal disease processes *OSBORNE N - VIDAL-SANZ M*	ACB - Anatomy and cell biology of the eye - from retina to cornea and back *PETROVSKI G - KAUPPINEN A*	Roundtable Innovations in imaging part I *CREUZOT C - SOUIED E*
15:30 - 15:45	Coffee break							Exhibition area
15:45 - 16:00	Opening Ceremony: Welcome by the President EVER 2017 - DICK A							Hermes
16:00 - 16:30	EVER Lecture, delivered by the Past President: The Pupil: A marker of visual and non-visual light sensitivity - *KAWASAKI A*							Hermes
16:30 - 16:50	Coffee break							Exhibition area
16:50 - 18:20	RV - Imaging *AMBRESIN A - POURNARAS C*	G - Glaucoma HotTopics Course in association with EVICR *CORDEIRO MF*	IM -Top mistakes in uveitis and how to avoid them: a case-based approach *PICHI F - LOWDER C*	COS - Dry eye & corneal transplantation *JEPPESEN H - KESTELYN P*	ACB - From retinal biochemistry and angiogenesis to dry eye disease *KAUPPINEN A - ANDRE H*	PBP - Retinal physiology, biochemistry and pharmacology *OSBORNE N - VIDAL-SANZ M*	ACB - Imaging in retinal disease models and differential diagnosis *UUSITALO H - PETROVSKI G*	Roundtable Innovations in imaging part II *CREUZOT C - BRON A*
18:30 - 19:00	European Ophthalmology Heritage Lecture: Evolution of our understanding and management of monogenetic retinal disorders - *BIRD A*							Hermes
19:00 - 19:30	Keynote Lecture: Uveal melanoma: millimeters, personalized prognosis, and new therapies - *SHIELDS C*							Hermes

THURSDAY, SEPTEMBER 28

08:30 - 10:00	RV - OCT-angiography in every day practice *POURNARAS C - ZOGRAFOS L*	G - Untrabitional glaucoma surgery - second line procedures for tough or refractory cases *BLOOM P - CRAWLEY L*	IM - SOIE : Quantitative measurement methods for the management of uveitis and for the design of trials are to be privileged *NERI P - HERBORT CP Jr*	PBP/RV - Novel therapeutics and drug delivery approaches for eye diseases *KOMPELLA UB - RITTENHOUSE K*	PO - Ophthalmic pathology: new and old insights *VAN GINDERDEUREN R - HEEGAARD S*	EOVS -The role of pre-receptoral filters of short wavelength light in the eye with emphasis on macular pigment *CTORI I - HUNTJENS B*	ACB - RPE cells in function *UUSITALO H - KAARNIRANTA K*	MBGE - Ophthalmic epidemiology *GRAW J - MCCARTY C*
10:00 - 10:20	Coffee break							Exhibition area
10:20 - 10:50	EVER-Acta Lecture: Ocular imaging: What we see and what we would like to see - *SCHMETTERER L*							room Hermes
11:00 - 12:30	RV - Diabetic retinopathy *VAN CALSTER J - AMBRESIN A*	G - Ocular manifestation of neurodegenerative diseases *NORMANDO EM - BARBONI P*	IM - New insights in Uveitis 1 *BODAGHI B - KESTELYN P*	PO - Controversies in ophthalmic oncology *DESJARDINS L - CAUJOLLE JP*	PBP/RV - Update on retinal imaging *SCHMETTERER L - GARHOFER G*	NSPH - Update in pediatric retina and low vision *BREMOND-GIGNAC D - ROBERT M*	ACB - Knife or bowl - scleral contact lens in irregular cornea and ocular surface disease *KNOP E - MEKKI MB*	COS - Corneal imaging & keratoconus *STACHS O - SZENTMARY N*
12:40 - 13:40	Lunchtime CIS: Demodex under the spotlight - *KAYA S*							Rhodes 2
13:50 - 14:20	Keynote Lecture: The genetics revolution as seen through the eye - *BHATTACHARYA S*							Hermes
14:30 - 16:00	RV/PBP -Topical delivery of therapeutics for retinal disease *BATES D*	G - Simulated ocular surgery *ABEGAO PINTO L - SUNARIC MEGEVAND G*	IM -The new era of non-infectious uveitis treatment: from old concepts to new perspectives *PICHI F - ALBINIT*	EOVS/MBGE - Doctor, I don't like bright lights *HOLDER G - LEROY BP*	PO -Tumors and pseudo-tumors of the iris: diagnosis and management *ZOGRAFOS L - DESJARDINS L*	NSPH - Update in pediatric anterior segment *BREMOND-GIGNAC D - ATILLA H*	NSPH - Neuro-ophthalmology *YU-WAI-MAN P - SADUN A*	MBGE - Retinal disorders and their treatment *LISKOVA P - DAVIDSON AE*
16:00 - 17:00	Poster session 1: Anatomy/Cell Biology - Neuro-ophthalmology/Strabismology/Paediatric/History - Electrophysiology, physiological Optics, Vision Sciences - Immunology/Microbiology							Poster area
16:00 - 17:00	Coffee with Profs							Poster area
17:00 - 18:30	RV - Macular interface surgery *PAPPAS G - POURNARAS J-AC*	G - Innovations in glaucoma surgery *RATNARAJAN G - KERR N*	PO/IM - Ocular toxicity of targeted therapies *ANGI M - NERI P*	LC/EOVS - Refractive development - from newborn to old age *MICHAEL R - RAUSCHER F*	COS - An update on corneal infectious diseases *GICQUEL JJ - DUA HS*	ACB - Ocular surface, inflamation and wound healing. proteomics and molecular biology *UUSITALO H - BEUERMAN R*	YOS -The ABC of fellowship opportunities - what to expect, where to go and how to pay for it? *JÓHANNESSON G*	MBGE - Miscellaneous *DAVIDSON AE - VOTRUBA M*
18:30 - 19:30			Evening SIS - Objectivity in dry eyes assessment *DUA HS*					

FRIDAY, SEPTEMBER 29

08:30 - 10:00	RV -Tips and tricks for young vitreoretinal surgeons *MICHALEWSKA Z - OZDEK SO*	G/COS - Corneal nerve imaging using ivcm: techniques and clinical applications *ROUSSEAU A - MALIK R*	RV/EOVS/G - Current contribution of OCT in clinical practice *AMBRESIN A - POURNARAS J-AC*	ARVO@EVER - Inflammation and tissue integrity in the anterior and posterior segment *FUCHSLUGER T - STEFANSSON E*	EOVS/MBGE - Structure and function in retinal disease; the role of iscev standard electrophysiology *HOLDER G - LEROY BP*	LC/NSPH - Congenital cataract *BARRAQUER RI - MICHAEL R*	MBGE/NSPH - Inherited optic neuropathies – new insights and therapeutic strategies *LISKOVA P - YU-WAI-MAN P*	IM - New insights in uveitis 2 *NERI P - HERBORT CP Jr*
10:10 - 10:40	Keynote Lecture: Why do eyes become myopic? - *KLAVER C*							Hermes
10:40 - 11:00	Coffee break							Exhibition area
11:00 - 12:30	RV - Advances in vitreoretinal surgery *POURNARAS J-AC - STANGOS A*	COS - Corneal nerves in health and disease *DUA HS - SAID D*	EOVS - Age, vision and retina *BARBUR JL - CASTELO-BRANCO M*	PO - Conjunctiva and others *JAGER MJ - MOULIN A*	GOA - New insights in ocular allergy *HEEGAARD S - BREMOND-GIGNAC D*	LC/RV - Multifocal intraocular lenses (IOLs) in patients with ocular comorbidities *GRZYBOWSKI A - ASCASO F*	MBGE/COS - Advances in the genetics and targeted therapies of corneal disorders *LISKOVA P - FUCHSLUGER T*	Roundtable Discussion by Women in EVER (WIE) *CREUZOT C - KAWASAKI A - CORDEIRO MF*
12:30 - 13:30	EVER General Assembly							Hermes
13:30 - 15:00	RV - Surgery of macular disorders *LYTVYNCHUK L - MICHALEWSKA Z*	G - Obergurgl EVER optic-nerve-conference symposium 2016: repair, replacement, and regeneration of the optic nerve *GRUS F - CROWSTON J*	IM - SOIE : One disease, one follow-up: optimal outcome measures are necessary in uveitis for management of disease and for clinical trials *NERI P - HERBORT CP Jr*	PO/NSPH - Optic disc in ocular oncology *ZOGRAFOS L - KAWASAKI A*	COS/IM - Microbial keratitis *FUCHSLUGER T - KESTELYN P*	G - IOP surgical management *BRON A - RATNARAJAN G*	ACB/COS - Contact lenses in clinical care - how to treat which complications *KNOP E - ASOKLIS R*	LC - Lens and cataract *LÖFGREN S - TASSIGNON M-J*
15:00 - 15:45	Poster session 2: Molecular Biology/Genetics/Epidemiology - Retina/Vitreous - Physiology/Biochemistry/Pharmacology							Poster area
15:45 - 16:15	Business Meeting RV/LC	Business Meeting G/EOVS	Business Meeting COS/NSPH	Business Meeting PO/PBP		Business Meeting IM/MBGE	Business Meeting ACB	
16:20 - 17:50	FAN Club *LEROY BP*	G - Microglia in retinal neurodegenerative diseases: friend or foe? *DE GROEF L - DAVIS B*	COS - New advances in ocular imaging *GICQUEL JJ - PISELLA PJ*	OOG Ocular Oncology Group I *KIVELÄ T - KILIC E*	NSPH/MBGE - Mitochondrial disorders and the eye *YU-WAI-MAN P - VOTRUBA M*	PBP - Noninvasive morphological and functional imaging in the eye *WERKMEISTER R - LEITGEB RA*	NSPH - Ancient eyes *GRZYBOWSKI A - ASCASO F*	MBGE/LC - Radiation-induced cataracts *GRAW J - AINSBURY L*
18:15 - 18:45	Chibret Lecture: The pre-Descemets corneal layer (Dua's layer): Controversy and clinical applications - *DUA HS*							Hermes
19:00 - 22:00	EVER 20th Anniversary walking dinner							Acropolis Convention Center

SATURDAY, SEPTEMBER 30

08:30 - 10:00	RV - Controversies in the management of maculopathies *PAPASTEFANOU V - XIROUT*	COS - Dry eye & corneal transplantation *NORMANDO EM - ROUSSEAU A*	COS - Science and practice of crosslinking *SZENTMARY N*	OOG Ocular Oncology Group II *HADJISTILIANOUT - DESJARDINS L*	FRO: Belgian Fund for Research in Ophthalmology 1 *TASSIGNON M-J - CASPERS L*	RV - OCT-angiography for the evaluation and management of macular pathologies *COSCAS G - POURNARAS C*
10:00 - 10:20	Coffee break					Exhibition area
10:20 - 10:50	Ophthalmic Research Lecture: Emerging therapies for retinal and macular dystrophies - *SCHOLL H*					Hermes
10:50 - 12:00	Poster session 3: Cornea/Ocular Surface - Glaucoma - Lens and Cataract - Pathology/Oncology					Poster area
12:00 - 13:00	Prize Award Ceremony & Closing Remarks					Hermes
13:00 - 14:30	RV/PO - Surgery of pediatric vitreoretinal disorders *LYTVYNCHUK L - LORENZ B*	G - A glaucoma surgery start-up guide - tips and tricks for your first 20 cases *MERCIECA K - AU L*	COS - Corneal injury & wound healing *GALLAR J - SZENTMARY N*	OOG Business Meeting	FRO: Belgian Fund for Research in Ophthalmology 2 *TASSIGNON M-J - CASPERS L*	

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- Business Meeting
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- Industry Sponsored Symposium
- Free Paper session
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- Joint Meeting
- Keynote lecture
- Special Interest Symposium
- Social
- Poster session
- Plenary session