Faculty

Ryan Amelon, PhD, IDx Technologies, Coralville - USA
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Alain Bron, MD, PhD, Centre Hospitalier Universitaire de Dijon, Dijon - France
Claude F. Burgoyne, MD, Devers Eye Institute, Portland - USA
Kevin C. Chan, PhD, NYU School of Medicine (NYU Langone Health), New York - USA
Balwantray Chauhan, PhD, Dalhousie University, Halifax - Canada
Jonathan Crowston, MD, PhD, University of Melbourne, Melbourne - Australia - Duke, National University of Singapore, Singapore - Singapore
Emmanouil Dermitzakis, PhD, University of Geneva, Geneva - Switzerland
Vincent Diebolt, PhD, F-CRIN, Toulouse - France
David Garway-Heath, MD, Moorfields Eye Hospital, London - United Kingdom
Michael Girard, PhD, National University of Singapore, Singapore - Singapore
Jeffrey Goldberg, MD, PhD, Byers Eye Institute at Stanford University, Palo Alto - USA
David Gruson, PhD, Chaire Santé de Sciences PO, Paris - France
Pirro Hysi, MD, PhD, King’s College, London - United Kingdom
Anthony Khawaja, MD, PhD, Moorfields Eye Hospital, London - United Kingdom
Leonard Levin, MD, PhD, McGill University, Montreal - Canada
Jeffrey M. Liebmann, MD, Columbia University Medical Center, New York - USA
Marco Lorenzi, PhD, INRIA - National Institute for Research in Computer Science and Automation - France
Felipe Medeiros, MD, PhD, Duke University, Durham - USA
Michel Pâques, MD, PhD, CHNO de Quinze-Vingts Hospital, Paris - France
Leopold Schmetterer, PhD, Singapore Eye Research Institute, Singapore - Singapore
Cedric Schweitzer, MD, PhD, Centre Hospitalier Universitaire de Bordeaux, Bordeaux - France
Kuldev Singh, MD, MPH, Hills Byers Eye Institute at Stanford University, Los Altos - USA
Ingeborg Stalmans, MD, PhD, Catholic University of Leuven, Leuven - Belgium
Joshua Stein, MD, University of Michigan, Ann Arbor - USA
Peter Thomas, MD, PhD, Moorfields Eye Hospital, London - United Kingdom
Fotis Topouzis, MD, PhD, Aristotle University of Thessaloniki - Ahepa Hospital, Thessaloniki - Greece
Anja Tuulonen, MD, PhD, Tays Eye Centre, Tampere University Hospital, Tampere - Finland
Ananth C. Viswanathan, MD, PhD, Moorfields Eye Hospital, London - United Kingdom
Janey L. Wiggs, MD, PhD, Massachusetts Eye and Ear Howe Laboratory, Boston - USA
08:15  Welcome and meeting objectives
08:20  David Garway-Heath, Kuldev Singh

Insights into Glaucoma Pathogenesis through New Diagnostic Methods

08:20  Introduction and objectives of the day
08:30  David Garway-Heath

08:30  Plenary session 1: Imaging the visual pathway
10:20  Moderators: David Garway-Heath, Felipe Medeiros

08:30  The architecture of the back of the eye: static biomechanics of the ONH
Claude Burgoyne
08:45  Discussion

08:50  The moving eye: dynamic biomechanics of the optic disc/peripapillary tissues
Michael Girard
09:05  Discussion

09:10  Retinal changes in glaucoma. 11 layer segmentation of OCT images
Leopold Schmetterer
09:25  Discussion

09:30  Can we image RGCs to understand and quantify the rate of glaucomatous loss?
Balwantray Chauhan
09:45  Discussion

09:50  Round table

10:20  Coffee break
Insights into Glaucoma Pathogenesis through New Diagnostic Methods

10:40  Plenary session 2: Imaging the vascular and neuronal compartments
12:50  Moderators: Jeffrey Liebmann, Ingeborg Stalmans

10:40  What does angio-OCT tell us about glaucoma pathophysiology? Felipe Medeiros
10:55  Discussion

11:00  Investigating the retinal vasomotricity with adaptive optics ophthalmoscopy Michel Pâques
11:15  Discussion

11:20  Can structural CNS explorations help us to understand glaucoma? Leonard Levin
11:35  Discussion

11:40  In vivo imaging of metabolic and functional brain changes in glaucoma Kevin Chan
11:55  Discussion

12:00  Steady-state VEP for ON/OFF pathway RGCs in glaucoma Jeffrey Goldberg
12:15  Discussion

12:20  Round table

13:00  Lunch
14:00
Insights into Glaucoma Pathogenesis through New Diagnostic Methods

14:00  Plenary session 3: Genes and gene expression
15:50  Moderators: Anthony Khawaja, Janey Wiggs

14:00  Recent advances in analysing the human genome
       Emmanouil Dermitzakis
14:15  Discussion

14:20  Genetic risk factors
       Janey Wiggs
14:35  Discussion

14:40  Mitochondrial dysfunction
       Jonathan Crowston
14:55  Discussion

15:00  “Glaucomics”: new biomarkers for screening?
       Pirro Hysi
15:15  Discussion

15:20  Round table

15:50  Coffee break
### Insights into Glaucoma Pathogenesis through New Diagnostic Methods

<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Presenter</th>
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<tbody>
<tr>
<td>16:20</td>
<td>Plenary session 4: A dive into precision medicine</td>
<td></td>
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<tr>
<td>17:50</td>
<td>Moderators: Fotis Topouzis, Kuldev Singh</td>
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<tr>
<td>16:20</td>
<td>Do vascular susceptibility factors define a phenotypic difference? [Jeffrey Liebmann]</td>
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<td>16:35</td>
<td>Discussion</td>
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<tr>
<td>16:40</td>
<td>Does the heterogeneity of genetic susceptibility factors lead to phenotypic differences? [Anthony Khawaja]</td>
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<td>16:55</td>
<td>Discussion</td>
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<td>17:00</td>
<td>Optic disk appearance and genetic background [Ananth Viswanathan]</td>
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<td>17:15</td>
<td>Discussion</td>
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<td>17:20</td>
<td>Round table</td>
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<tr>
<td>17:50</td>
<td>Summary of the day and close [Fotis Topouzis, Janey Wiggs]</td>
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## Transforming Glaucoma Care: Power and Pitfalls of Artificial Intelligence

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>09:00</td>
<td>Welcome and meeting objectives</td>
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<tr>
<td>09:05</td>
<td>Anja Tuulonen</td>
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<tr>
<td>09:05</td>
<td><strong>Plenary session 5: Artificial intelligence: the next frontier</strong></td>
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<tr>
<td>09:05</td>
<td>Moderators: Alain Bron, Leopold Schmetterer</td>
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<tr>
<td>10:35</td>
<td>What is Artificial Intelligence and what are potential applications in medicine?</td>
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<tr>
<td>09:05</td>
<td>Marco Lorenzi</td>
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<tr>
<td>09:20</td>
<td>Discussion</td>
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<td>09:25</td>
<td>What do we need to do to pave the way for Artificial Intelligence?</td>
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<tr>
<td>09:25</td>
<td>Konstantinos Balaskas</td>
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<td>09:40</td>
<td>Discussion</td>
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<td>09:45</td>
<td>Building an algorithm for glaucoma screening</td>
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<td>09:45</td>
<td>Ryan Amelon</td>
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<td>10:00</td>
<td>Discussion</td>
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<tr>
<td>10:05</td>
<td>Round table</td>
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<tr>
<td>10:35</td>
<td>Coffee break</td>
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</tbody>
</table>
Transforming Glaucoma Care: Power and Pitfalls of Artificial Intelligence

11:00 Plenary session 6: Artificial intelligence: expectations and limits
13:00 Moderators: Leonard Levin, Cédric Schweitzer

11:00 The power of Artificial Intelligence to transform clinical trials
Vincent Diebolt
11:15 Discussion
11:20 Artificial Intelligence: pitfalls, ethical aspects, confidentiality, patients perspective
David Gruson
11:35 Discussion
11:40 Planning ahead: how to keep up with advancing Artificial Intelligence
Peter Thomas
11:55 Discussion
12:00 Career and skill planning for glaucoma specialists in the era of Artificial Intelligence
Joshua Stein
12:15 Discussion
12:20 Round table
12:50 Summary of meeting and close
David Garway-Heath, Kuldev Singh

13:00 Lunch
General Information

Meeting Venue
Palais de la Bourse
17 Place de la Bourse - 33076 Bordeaux, France
Tel. 0033 0556795095

Registration Desk Opening Times
The Registration Desk is open in the following hours:
Friday 30 August 07.15-18.00
Saturday 31 August 08.00-14.00

Badge and Certificate of Attendance
Delegates are kindly requested to wear their badge at the Congress Venue and during the Welcome Cocktail on Thursday 29 August. The Certificate of Attendance will be provided to all delegates.

Language
The official language of the first joint EGS/AGS Members’ Meeting is English. All participants are encouraged to join discussions, independently of their fluency in English, as the exchange of ideas and critical evaluation of presentations is the main purpose of the Course.

Meeting App
To participate in the course you will need to download the meeting APP. Login is quick and easy! Open the APP and enter your Access Code, received by email. If you do not remember your access code, click on Recover your password and type the email used during registration. You will receive an email with your new access code. Please note that all evaluations requested in the surveys will always be confidential and anonymous.

Photo
Please, note that during the JOINT EGS-AGS MEMBERS’ MEETING photos and videos will be taken. Images could be uploaded on the event’s websites or EGS’s and/or OIC’s communication channels in order to prove and show the success of the meeting in terms of participation, until the next edition.

Organizing Secretariat
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Social Events

29 August
Welcome Cocktail
Time: 18.00
Venue: Palais de la Bourse

30 August
Gala Dinner
Time: 20.00
Venue: Le Château Labottière, 16 rue de Tivoli, Bordeaux
Meeting Point: 19.30 Palais de la Bourse

31 August
After the meeting delegates will have the chance to spend a full afternoon enjoying the beauties of Bordeaux. We will start with a guided walking tour of Bordeaux main attractions. At the end of the walking tour we will reach the Cité du Vin for a “full immersion” visit to a real “temple of wines”. The evening will end with a pleasant dinner at the le Familia – Brasserie des Halles.
Bordeaux: Walking tour
Discover Bordeaux with a private walking tour of the main attractions.
Time: 15.30
Meeting point: Palais de la Bourse

Cité du Vin
Time: 17.30
Meeting point: 17.30 Palais de la Bourse.
Departure with private transfer at the end of the walking tour and visit of a unique venue for culture and recreation where wine comes to life through an immersive, sensorial approach, all set within an evocative architectural design. La Cité du Vin gives a different view of wine, across the world, across the ages, across all cultures and all civilizations.

Les Halles de Bacalan
Time: 20.00
Meeting point: the Restaurant is located just in front of the Cité du Vin.
The market kitchen at Le Familia - Brasserie des Halles is a popular new chic gourmet brasserie in Les Halles de Bacalan, in memory of the bar/restaurant/cinema of the same name which thrived in the district’s golden era from 1929 to 1972.