EEBA ROTTERDAM
JANUARY 17-19/2019

XXXI ANNUAL MEETING OF THE EUROPEAN EYE BANK ASSOCIATION

Rotterdam, The Netherlands
17-19 January 2019

PROGRAMME

Hosted by **NIIOS - Netherlands Institute for Innovative Ocular Surgery** www.niios.com

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Amnitrans EyeBank Rotterdam | NIIOS Research & Development | NIIOS Academy | Melles Cornea Clinic

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EUROPEAN
EYE BANK
ASSOCIATION

Founded in 1989 with the simple objective of sharing information regarding eye banking, the European Eye Bank Association (EEBA) is today the leading technical-scientific association in Europe dedicated to the advancement of eye banking (tissues and cells for the treatment of eye diseases) and an authoritative reference point for eye banks wishing to work according to quality standards.

Become a Member of the **European Eye Bank Association** and share real professional and scientific benefits with corneal surgeons and eye bank specialists.

MEMBERSHIP BENEFITS

- Newsletter
- Annual Meeting registration fee discount
- Access to Members-only section of the web-site
- Inclusion in the EEBA Directory
- Voting rights
- Training opportunities

Annual Individual Membership Fee: euro 90,00

For further details please contact: European Eye Bank Association

Via Paccagnella n. 11 - Padiglione Rama - 30174 Zelarino - Venice (Italy)
Tel: +39 041 9656422 - admin@europeaneyebanks.org

www.europeaneyebanks.org

DEAR COLLEAGUE AND FRIEND,

On behalf of Amnitrans EyeBank Rotterdam and NIIOS - Netherlands Institute of Innovative Ocular Surgery, it is our pleasure to welcome you to the XXXI Annual Meeting of the European Eye Bank Association, 17-19 January 2019.

For over three decades, the Annual Meeting of the European Eye Bank Association has been a key platform for the eye banking community to learn about the newest developments in the field, come together and plan for the future. Once again, this year's programme promises to be both exciting and fulfilling for everyone.

The meeting will give an innovative and comprehensive overview of the latest developments in eye banking and corneal transplantation. The plenary scientific presentations, round-table debates and lectures by some of the world's top experts will cover a range of topics, such as the future of eye banking, custom-made services in modern eye banking, sustainable eye banking and ATMPs.

The programme will also cover aspects of (new) corneal storage methods, microbiological safety and the effect of transportation on lamellar grafts. The meeting provides a fresh view on international eye banking topics, ranging from the different challenges for eye banks across the globe as well as legal and ethical aspects within the European Union.

As a delegate at the EEBA Annual Meeting, you will benefit from plenty of opportunities to interact, discuss and reflect on the information presented. We invite you to share your work through oral and poster presentations, take part in the new 'poster tour' highlighting posters presented at the meeting, and discover new products and services on the exhibition floor.

We hope you will also take the time to explore the meeting location, the city of Rotterdam. Rotterdam has a lot to offer: it is a young, dynamic, global city, continuously renewing itself at a rapid rate. Sparkling skyscrapers, an impressive port, trendy restaurants and food markets and renowned museums are the direct result of the can-do mentality of the people from Rotterdam. Add to that the many extraordinary attractions, architectural highlights and city tours - by bike, bus, boat or on foot - and you understand why Rotterdam was voted Lonely Planet's Best in Travel 2016.

Your active participation will be the basis of this meeting's success, and we sincerely hope you will make use of this unique opportunity to participate in discussions, ask questions, gain new insights and obtain the know-how to implement these in your daily working life. We hope you will enjoy the 2019 EEBA Annual Meeting and look forward to your contribution.

The Scientific Committee,
Jacqueline van der Wees, John Armitage, Esther Groeneveld - van Beek, Gerrit Melles and Silke Oellerich

ACKNOWLEDGEMENT

We are grateful to all our exhibitors and partners for their generous support of the EEBA Annual Meeting:

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GENERAL INFORMATION

Congress Venue
Postillion Convention Centre WTC Rotterdam, Beursplein 37, 3011 AA Rotterdam

Catering
Free water dispensers are located throughout the Congress Centre for your convenience.

Coffee Breaks
Coffee breaks courtesy of the organizers will take place in the exhibition and poster area.

Friday 18 January	11:00 – 11:20 and 15:35 – 16:05
Saturday 19 January	10:55 – 11:25

Lunches
Lunches will be served on Friday and Saturday in the exhibition and poster area.

Friday 18 January	13:25 – 14:25
Saturday 19 January	12:25 – 13:15

Certificate of Attendance
You will receive your Certificate of Attendance by e-mail after the Annual Meeting.

Cloakroom
A complimentary cloakroom is situated in the entrance hall.

Exhibition
The exhibition is held in the Shipping Hall, on the ground floor of the Annual Meeting venue.

Exhibition Opening Hours

Friday 18 January	11:00 – 16:05
Saturday 19 January	09:00 – 17:00

Internet WIFI access
General WIFI access is available throughout the meeting venue. To access WIFI: select the network listed as **Postillion Open**. No password required.

Lost and Found
All enquiries should be directed to the Registration Desks located in the Registration Area.

Poster Tour

Saturday 19 January 13:15 -14:00

New at EEBA 2019: join the poster tour, where all posters are being presented by the author and can be discussed. The poster tour will take place in the poster area in the Shipping Hall.

Registration

The EEBA Annual Meeting is open only to registered participants. The official participant name badge is required for admission to the meeting venue and to all meeting events. For security reasons, participants are requested to wear their badges at all times.

Registration hours

Thursday 17 January	12:00 – 17:30
Friday 18 January	08:00 – 17:00
Saturday 19 January	08:00 – 15:00

Slide intake

The slide intake is located in the technical booth in the Rotterdam Hall. Speakers are requested to submit their presentations at least 1 hour before their session starts.

Opening hours

Friday 18 January	09:45 – 17:00
Saturday 19 January	08:15 – 15:15

Sustainability

The venue of the EEBA Annual Meeting is awarded with the Green Key certification. This means it meets environmental requirements. The venue has energy label A and complies with the Green Key guidelines on waste separation, water flow, and energy usage. The catering services use by preference organic, eco-labelled, fair-trade labelled and/or locally produced food and beverage products.

Meeting materials used during the EEBA Annual Meeting, such as bags, lanyards, note-pads, are all sustainable. The program book is printed on FSC-certified paper.

SOCIAL AND SIDE EVENTS

THURSDAY 17 JANUARY

Wetlabs

Wetlabs are only accessible for delegates who registered and paid for the wetlab in advance.

Wetlab session I: 09:30 – 12:00

Wetlab session II: 14:00 – 16:30

Wetlabs are taking place at NIIOS, Laan op Zuid 88, 3071 AA Rotterdam.

Walking tour of Rotterdam

15:30 – 17:30

Discover Rotterdam on foot and enjoy the fabulous sights Rotterdam has to offer.
Meeting point: Registration area in the Postilion Convention Centre WTC at 15:30.

Welcome Reception

17:30 – 19:00

The Welcome Reception will be held at Rotterdam City Hall, Coolsingel 40, Rotterdam. All delegates are invited to join.

FRIDAY 18 JANUARY

Tour of NIIOS/ Amnitrans EyeBank Rotterdam

See the facilities of NIIOS and Amnitrans EyeBank Rotterdam. The tour is only accessible for delegates who registered in advance – please respect the timeslot you booked.
Meeting point: NIIOS, Laan op Zuid 88, 3071 AA Rotterdam (metro/tram stop: Wilhelminaplein).

Group I 09:00 – 09:30

Group II 09:30 – 10:00

Group III 10:00 – 10:30

After the tour, we invite you to make your own way to the Annual Meeting venue. Bus transfers to and from the Annual Meeting venue are not provided.

EEBA 'Floating' Dinner

19:00

The EEBA dinner will take place on the paddle steamer 'De Majesteit'. During the evening, you will enjoy the best that the Rotterdam harbors have to offer.

Entrance tickets will be collected upon arrival.

Meeting point: Monument 'The Bow'(De Boeg), Boompjeskade (in front of no 677), Rotterdam.

Kindly note that the boat will depart at 19:15. It is not possible to board the boat after departure from the meeting point, so please make sure to arrive on time. No bus transfers are provided.

SATURDAY 19 JANUARY

Goodbye drinks

16:00 – 17:00 Exhibition area

All good things come to an end – take the time to say goodbye to fellow meeting delegates while enjoying a drink.

MAP OF EEBA 2019 LOCATIONS

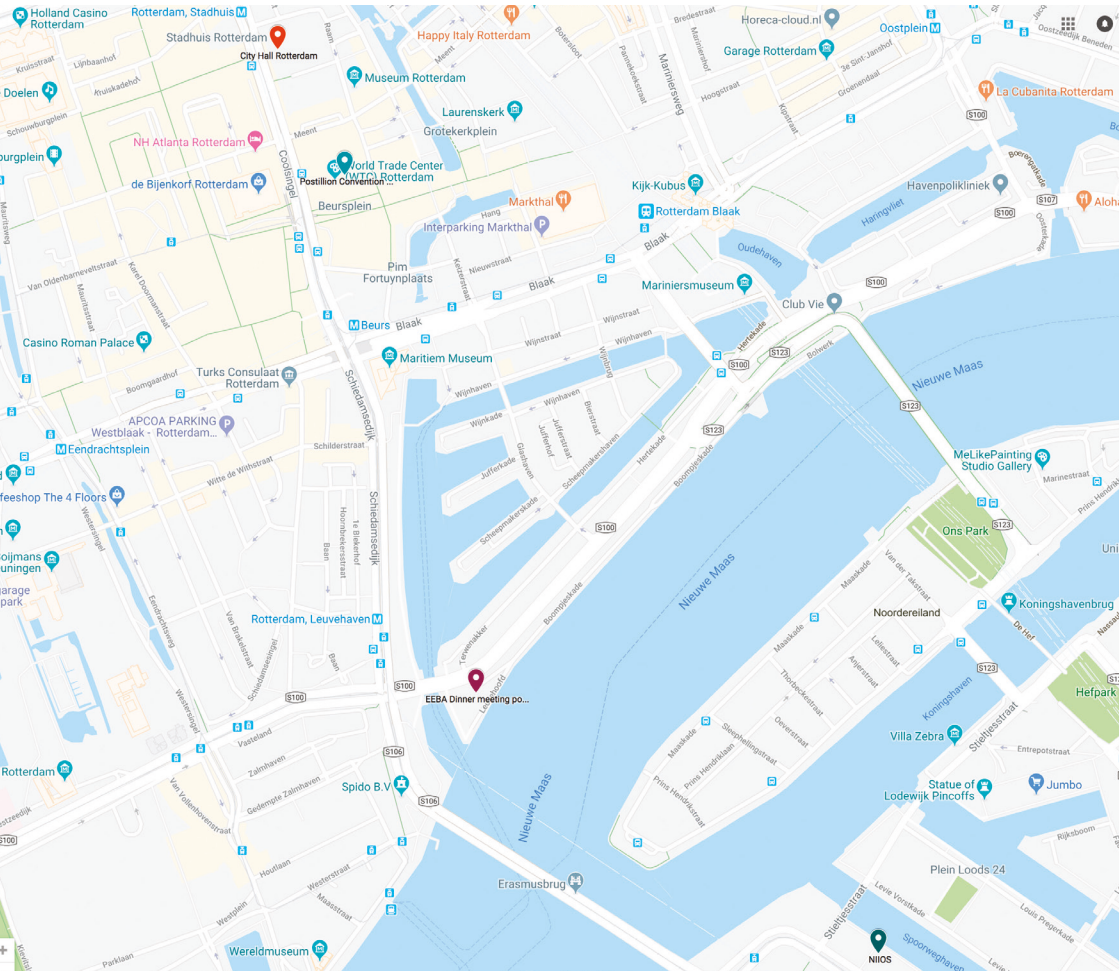
EEBA 2019 locations:

Postillion Convention Center WTC
Congress venue and starting point of the walking tour of Rotterdam

NIIOS
Wetlab for technicians and tour of NIIOS

City Hall Rotterdam
Welcome reception

EEBA Dinner meeting point
Monument De Boeg



PROGRAMME

EEBA ROTTERDAM

JANUARY 17-19/2019

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THURSDAY 17 JANUARY 2019

9:30 - 12:00	Wetlab - session I – NIIOS Separate registration required - only for eye bank technicians
12:00 - 17:30	Registration open
14:00 - 16:30	Wetlab - session II – NIIOS Separate registration required - only for eye bank technicians
15:30 - 17:30	Walking tour of Rotterdam - Postilion Convention Centre Rotterdam Meet at Postilion Convention Centre WTC
17:30 - 19:00	Welcome Reception - Rotterdam City Hall, Coolsingel 40, Rotterdam

FRIDAY 18 JANUARY 2019

8:00 - 17:00	Registration open
8:30 - 11:00	EEBA Committee Meeting (closed meeting) - Penn Room 1, Postilion Convention Centre WTC
9:00 - 9:30	Tour of NIIOS/Amnitrans EyeBank - group I – NIIOS Separate registration required
9:30 - 10:00	Tour of NIIOS/Amnitrans EyeBank - group II – NIIOS Separate registration required
10:00 - 10:30	Tour of NIIOS/Amnitrans EyeBank - group III – NIIOS Separate registration required
11:00 - 16:05	Exhibition Open - Exhibition Hall, Postilion Convention Centre WTC
11:00 - 11:20	Coffee break

11:20 - 11:30 Welcome to Rotterdam - Rotterdam Hall, Postilion Convention Centre WTC

11:30 - 12:15 Opening Ceremony - Rotterdam Hall
Music composed by Drs. Gottsch and Melles

12:15 - 12:45 Niels Ehlers Memorial Lecture

12:45 - 13:25 SESSION I: EYE BANKING ACROSS THE GLOBE: CHALLENGES IN DIFFERENT PARTS OF THE WORLD - ROTTERDAM HALL
Chair: Margareta Armitage, Kyle Mavin

P 22 **Meeting corneal transplant needs: The French challenge**
Isabelle Martinache - Agence de la Biomédecine, France

P 23 **Exploring the need for a European exchange of HLA-typed corneal tissue**
Robin van Eechoud – Dutch Transplant Foundation, The Netherlands

P 24 **Low risk of tissue contamination by following a decontamination protocol with a combined use of 0.02% chlorhexidine and 0.5% povidone-iodine**
Esther A. Groeneveld-van Beek - Netherlands Institute for Innovative Ocular Surgery (NIIOS), The Netherlands

P 25 **One Eye Bank's Review of Fungal Infections and Options to Reduce Contamination**
Erik Hellier - Eversight Vision, USA

13:25 - 14:25 Lunch Break

14:25 - 14:55 SESSION II: EYE BANK MYSTERIES- ROTTERDAM HALL
Chair: Andrea Gareiss-Lok

14:55 - 15:35 SESSION III: EURO GTPII - ROTTERDAM HALL
Chair: Lamis Baydoun, Richard Lomas, Rita Piteira, Jaime Tabera

15:35 - 16:05 Coffee Break

16:05 - 17:00 SESSION IV: LEGAL AND ETHICAL ASPECTS WITHIN THE EU - ROTTERDAM HALL
Chair: John Armitage, Nicola Hofmann

P 28 **The clock is ticking - Time factors in tissue donation**
Nicola Hofmann - German Society For Tissue Transplantation gGmbH, Germany

P 29 **Acceptability of postmortal blood samples for antibody / NAT testing – can quality be quantified?**
Jan Schroeter - Charité - Universitätsmedizin Berlin, University Tissue Bank, Cornea Bank Berlin, Germany

P 30 **Impact of a proposal to modify death-to-procurement time based on body-refrigeration on quantity, safety and cellular quality of corneal grafts**
Thibaud Garcin, Corneal Graft Biology, Engineering and Imaging Laboratory, Faculty of Medicine, Jean Monnet University, France

P 32 **European registry for quality improvement in corneal transplantation surgery (ECCTR)**
Mor Dickman - Maastricht University Eye Clinic, the Netherlands

P 33 **The Barcelona Principles**
Graeme Pollock - Lions Eye Donation Service, Centre for Eye Research Australia, University of Melbourne, Melbourne, Australia

P 34 **US eye bank accreditation process**
Kyle Mavin - Alabama Eye Bank, USA

17:00 - 17:05 Industry presentation - Rotterdam Hall

17:05 - 18:05 EEBA Eye Bank Correspondents' Meeting & SIG Directory

19:00 - 23:00 EEBA 'Floating' Gala Dinner - Paddle Steamer De Majesteit
Please bring your invite to the boat

SATURDAY 19 JANUARY 2019

8:00 - 15:00 Registration open

8:45 - 9:45 EEBA Business Meeting

9:00 - 17:00 Exhibition Open

9:45 - 10:55 SESSION V: CLINICAL OUTCOMES OF CORNEA TRANSPLANTATION - ROTTERDAM HALL

Chair: Lamis Baydoun, Vasilis Liarakos

P 36 **Bowman layer transplantation: 5-year results**
Korine Van Dijk - Netherlands Institute for Innovative Ocular Surgery (NIIOS), The Netherlands

P 37 **Descemet Stripping Automated Endothelial Keratoplasty outcomes related to preservation time and donor diabetes in the cornea preservation time study**
Beth Ann Benetz, Case Western Reserve University, USA

P 38 **Ultrathin UT-DSAEK vs DMEK: Preliminary results of a multicenter prospective randomized controlled clinical trial**
Suryan Dunker - Maastricht University Eye Clinic, The Netherlands

P 39 **Prospective evaluation of clinical outcomes between pre-cut corneal grafts prepared using a manual or automated technique: with one year follow-up**
Marc Muijzer - University Medical Center Utrecht, The Netherlands

P 40 **Real-world outcomes of DMEK: A prospective Dutch national registry study**
Mor Dickman - Maastricht University Eye Clinic, The Netherlands

P 41 **Multicenter Study of six-months clinical outcomes after Descemet membrane endothelial keratoplasty (DMEK)**
Jorge Peraza-Nieves - Netherlands Institute for Innovative Ocular Surgery (NIIOS), The Netherlands

P 42 **Four year clinical outcome after Descemet membrane endothelial keratoplasty (DMEK): Results of the first 500 consecutive cases**
Sorcha Ni Dhubhghaill - Netherlands Institute for Innovative Ocular Surgery (NIIOS) / Antwerp University Hospital, The Netherlands / Belgium

P 43 **In-vivo endothelial cell density (ECD) decline in the early postoperative phase after Descemet membrane endothelial keratoplasty (DMEK)**
Lisanne Ham, Netherlands Institute for Innovative Ocular Surgery (NIIOS), The Netherlands

P 44 **Quarter-Descemet membrane endothelial keratoplasty for Fuchs endothelial corneal dystrophy: 1 year clinical outcome of the first case series**

Lamis Baydoun, Netherlands Institute for Innovative Ocular Surgery (NIIOS), The Netherlands

10:55 - 11:25 Coffee Break

11:25 - 12:25 SESSION VI: LAMELLAR GRAFTS, CORNEAL STORAGE METHODS AND MICROBIOLOGICAL SAFETY - ROTTERDAM HALL

Chair: Iva Dekaris, Jesper Hjortdal

P 46 **Investigation of recurrent corneal epithelial changes during storage in culture medium**

David Usherwood - NHS Blood and Transplant, UK

P 47 **Performance Improvement in Posterior Lamellar Thickness Accuracy of Precut Tissue for DSAEK**

Bernie Iliakis - Corneagen, USA

P 48 **Negative impact of Dextran in organ culture media to preserve prestripped tissue on DMEK (Descemet Membrane Endothelial Keratoplasty) outcome**

Alaadin Abdin - Saarland University Medical Center Uks, Germany

P 49 **Assessment of non-deswollen pre-stripped human donor tissue for DMEK surgery**

Johannes Menzel-Severing - University of Düsseldorf, Germany

P 50 **Swollen or deswollen grafts for DMEK?**

Philip Maier - Eye Center, University Hospital Freiburg, Germany

P 51 **Evaluation of Candida spp. killing efficacy of a new cornea cold storage medium**

Laura Giurgola - Alchilife, Italy

P 52 **Novel Transport-Cartridge for Preloaded DMEK : An Evaluation Of Tissue Quality**

Silke Wahl - Knappschafts-Gewebebank Sulzbach, Germany

12:25 - 13:15 Lunch Break

13:15 - 14:00 POSTER TOUR - POSTER AREA, SEE POSTER ABSTRACTS FROM PG. 69

P 70 **1. Stability studies of a new cold corneal storage medium with antimycotic tablet**

Laura Giurgola - Alchilife, Italy

P 71 **2. Comparing safety and efficacy of cornea cold and optisol GS corneal storage media**

Michael Banitt - University Of Washington, USA

P 72 **3. The processing, storage, and supply of donor scleral tissue in the Lublin Eye Bank, Poland**

Beata Rymgayllo-Jankowska - Medical University Of Lublin, Poland

P 73 **4. Donor tissue preparation for Descemet membrane endothelial keratoplasty**

Rénuka Birbal, Netherlands Institute for Innovative Ocular Surgery (NIIOS), The Netherlands

P 74 **5. Preparation of DMEK grafts in the eye bank from pseudophakic donors**

Magdalena Netukova - Vinohrady Teaching Hospital, International Eye Bank of Prague, Czech Republic

P 75 **6. New invented spatula cannula for DMEK-preparation using the liquid bubble method**

Silke Wahl - Knappschafts-Gewebebank Sulzbach, Germany

P 76 **10. To compare endothelial cell loss between grafts loaded and inserted with Geuder glass cannula and Coronet DMEK EndoGlide for DMEK**

Michael Banitt - University Of Washington, USA

P 77 **11. Postoperative re-positioning of inverted DMEK grafts**

Diana Dragnea - Netherlands Institute for Innovative Ocular Surgery (NIIOS), The Netherlands

P 78 **12. Surgical outcomes of combined procedure Descemet's endothelial**

keratoplasty (DMEK) and cataract surgery with versus without using ocular viscoelastic device (OVD).

Magdalena Netukova – Vinohrady Teaching Hospital, International Eye Bank of Prague, Czech Republic

P 79 **13. Immunosuppression in high-risk corneal grafts**

Joao Quadrado Gil - Centro Hospitalar E Universitário De Coimbra, Portugal

P 80 **14. The success key to bring new therapies into the clinical field**

Elba Agusti - Barcelona Tissue Bank, Spain

14:00 - 14:50 SESSION VII: EYE BANKING CHALLENGES - ROTTERDAM HALL

Chair: Nezahat Bostan, Diego Ponzin

P 54 **Impact of donor history and donation circumstances on the endothelial cell density: analysis of the relevant factors**

Stefanie Wiencke - Deutsche Gesellschaft Für Gewebetransplantation, Germany

P 55 **Routine donor tomography as screening method for improved graft selection in corneal transplantation**

Alaadin Abdin - Saarland University Medical Center Uks, Germany

P 56 **Viral decontamination of human corneascleral buttons during storage**

Timur Kerimov - S. Fyodorov Eye Microsurgery Federal State Institution, Russia

P 57 **Development of a quantitative method to determine corneal endothelial cell mortality**

Laura Giurgola - Alchilife, Italy

P 58 **Assessment of endothelial cell counts in eye banks: comparison of alizarin red staining versus specular microscopy**

Etienne Vachon-Joannette, Université Laval, Canada

P 59 **The OBSERV platform (Ophthalmic Bioreactor Specialized in Experimental Research & Valorisation): regeneration of corneal and limbal epithelium of stored human corneas**

Thibaud Garcin - Corneal Graft Biology, Engineering and Imaging Laboratory, Faculty of Medicine, Jean Monnet University, France

14:50 - 15:50 SESSION VIII: ADVANCED THERAPY MEDICINAL PRODUCTS AND THE FUTURE OF EYE BANKING - ROTTERDAM HALL

Chair: Gilles Thuret, Sorcha Ní Dhubhghaill

P 62 **The corneal active storage machine allows cornea delivery for up to 3 months**

Thibaud Garcin - Corneal Graft Biology, Engineering and Imaging Laboratory, Faculty of Medicine, Jean Monnet University, France

P 63 **Ex vivo creation of implantable DMEK tissues**

Marcus Binner - Leibniz Institute of Polymer Research Dresden, Germany

P 64 **In vitro evaluation and transplantation of human corneal endothelial cells cultured on biocompatible carriers**

Daniele Spinozzi - Netherlands Institute for Innovative Ocular Surgery (NIIOS), The Netherlands

P 65 **Influence of endothelial migration pattern on corneal clearance after quarter-DMEK**

Alina Miron - Netherlands Institute for Innovative Ocular Surgery (NIIOS), The Netherlands

P 66 **Construction of artificial cornea based on cells spheroids and polymeric materials: Methodological approaches**

Dmitriy Ostrovskiy - S. Fyodorov Eye Microsurgery Federal State Institution, Russia

P 67 **Amniotic membrane transplantation without trauma: AmnioClip-plus makes it possible**

Nicola Hofmann - German Society For Tissue Transplantation gGmbH, Germany

P 68 **New protocols in conjunctival epithelium repairing**

Marina Bertolin - Veneto Eye Bank Foundation, Italy

15:50 - 16:00 Closing Ceremony

16:00 - 17:00 Goodbye Drinks