



**I ANNUAL MEETING  
EUROPEAN EYE BANK ASSOCIATION**

24 – 25 January 2014 LAUSANNE – SWITZERLAND

# PROGRAM



## Friday 24<sup>th</sup> January 2014

- 08:30 – 09:00 Wet Labs Registrations and Coffee at **Lobby Meeting Room Hotel Angleterre** (close to the Beau Rivage Palace)
- 09:00 – 11:00 **Session Wet Labs Hotel Angleterre**  
(close to the Beau Rivage Palace)
- Wet Lab FEMTOLASER FOR KERATOPLASTIES**  
Penetrating and lamellar corneal grafts using the LDV Femtosecond laser. Special focus on inverse DSAEK (laser cut from the endothelial side). Human and pig corneas  
Organizer: **Ziemer Ophthalmic Systems AG** – Switzerland  
**Meeting Room Le Platane**
- Wet Lab DMEK PREPARATION**  
Posterior lamellar graft (DMEK) using Muraine's punch. Human and pig corneas.  
Organizer: **Moria SA** – France  
**Meeting Room Lord Byron**
- Wet Lab DSAEK AND ULTRA-THIN DSAEK**  
Posterior lamellar graft (DSAEK) using Gebauer microkeratome. Human and pig corneas.  
Organizer: **Gebauer Medizintechnik Gmbh** – Germany  
**Meeting Room La Voûte**
- 09:00 – 12:00 EEBA Committee Meeting (closed meeting) at **Beau Rivage Palace Meeting Room Leman**
- 12:00 – 13:30 Registration at **Beau Rivage Palace**
- 13:30 – 14:30 Opening Ceremony – **Meeting Room Sandoz**
- 14:30 – 15:45 **SCIENTIFIC SESSION I  
FEMTO LASERS AND CORNEAL GRAFTS**  
Chairmen: **Rudi Nuijts, Béatrice Früh**
- 14:30 – 14:50 Main Keynote: **Prof. Rudy Njuits**  
Associate Professor of Ophthalmology and Director of the Cornea Clinic and the Center for Refractive Surgery, University of Maastricht – the Netherlands  
**Long-term results and interface quality after FS laser DSEK**

# PROGRAM

- 14:50 – 15:05 Keynote: **Prof. Shigeru Kinoshita**  
Professor and Director, Department of Ophthalmology,  
Kyoto Prefectural University of Medicine – Japan  
**Advanced Corneal Transplantation using Femtosecond Laser**
- 15:05 – 15:13 **Inverse Femto-DSEK: preliminary Geneva results of a multicenter trial**  
Varga Zsolt, Hafezi Farhad – Genève, Switzerland
- 15:13 – 15:21 **Femtosecond laser endothelial graft cutting from endothelial side in a new corneal bioreactor with epithelial applanation**  
Bernard A., Mauclair C., Baubeau E., Nangoum-Fosso T., Naigeon N., Campolmi N., Gauthier AS, Trone MC., He Z., Piselli S., Perrache C., Peoc'h M., Forest F., Dumollard JM., Thuret G., Gain P. – Saint-Etienne, Paris, France
- 15:21 – 15:29 **Sutureless femtosecond anterior lamellar keratoplasty**  
Hjortdal Jesper – Aarhus C, Denmark
- 15:29 – 15:37 **A two-step lamellar approach for femtosecond laser assisted DALK for deep corneal scarring**  
Varga Zsolt, Hafezi Farhad – Genève, Switzerland
- 15:37 – 15:45 **Femtosecond laser assisted anterior lamellar graft, good anatomical result and poor vision: why?**  
Majo François – Lausanne, Switzerland
- 15:45 – 16:15 Coffee Break – Exhibition and posters
- 16:15 – 18:30 **SCIENTIFIC SESSION II**  
**ANTERIOR AND POSTERIOR LAMELLAR GRAFTS**  
Chairmen: **Friedrich Kruse, Marc Muraine**
- 16:15 – 16:35 Main Keynote: **Prof. Friedrich E. Kruse**  
Professor and Chairman, Department of Ophthalmology Erlangen  
Medical School, University of Erlangen-Nuremberg – Erlangen, Germany  
**A revolution in evolution. Posterior lamellar keratoplasty – the thinner the better**
- 16:35 – 16:43 **Precut DSAEK, experience by the Euro Cornea Bank, Beverwijk**  
Steijger-Vermaat Petra, Schuchard Y., Dickman Mor M., Nuijts Rudy M.M.A., van Marion W.F. – Beverwijk, the Netherland

# PROGRAM

- 16:43 – 16:51 **Comparison of Gebauer SLc and Moria Carriazo-Barraquer (CBm) ALK Microkeratomes for DSAEK lamella preparation and storage**  
Matthias Fuest, Ansgar Flammersfeld, Sabine Salla, Peter Walter, Martin Hermel – Aachen, Germany
- 16:51 – 16:59 **Ultra-thin lamellae in one step using Gebauer SLc Microkeratome System**  
Otero Areitio Nausica, Agustí Rovira Elba, Martínez Conesa Eva María, Pérez Rodríguez María Luisa, Casaroli Marano Ricardo, Torras Sanvicens Josep, Vilarrodona Serrat Anna, Trias Adroher Esteve – Barcelona, Spain
- 16:59 – 17:07 **Automated harvesting of Pre-Descemet Automated Endothelial Keratoplasty (PDAEK) grafts using innovative microkeratome technology**  
Dickman Mor M, Van Marion Friso WF, Wesseling Teja, Steijger-Vermaat Petra, Brekelmans Juriaan, Berendschot Tos TJM, Nuijts Rudy MMA – Maastricht, Beverwijk – the Netherlands
- 17:07 – 17:15 **Ultra-thin Descemet Stripping Automated Endothelial Keratoplasty (UT-DSAEK) – why I prefer this technique?**  
Dekaris Iva – Zagreb, Croatia
- 17:15 – 17:23 **Long-term results on endothelial cell density and best corrected visual acuity after Descemet membrane endothelial keratoplasty (DMEK)**  
Van der Wees Jacqueline, Ham Lisanne, Van Dijk Korine, Ciechanowski Peter, Dapena Isabel, Melles Gerrit R.J. – Rotterdam, the Netherlands
- 17:23 – 17:31 **Preparation of grafts for DMEK with endothelium inside the roll**  
Muraine Marc, Toubeau David, Guedry Julie – Rouen, France
- 17:31 – 17:39 **A Comparison of Endothelial Cell Loss between Two Methods of Preparing Tissue for Descemet Membrane Endothelial Keratoplasty**  
Jeff Holiman, Galloway Josh, Stoeger Chris, Wilkins Daniel, Terry Mark – Portland, United States
- 17:39 – 17:47 **A novel Submerged Hydro-Separation technique for the preparation of Descemet Membrane Endothelial Keratoplasty donor tissue**  
Ruzza Alessandro, Parekh Mohit, Salvalaio Gianni, Ferrari Stefano, Camposampiero Davide, Busin Massimo, Ponzin Diego – Zelarino, Forli, Italy

# PROGRAM

- 17:47 – 17:55 **Is the endothelial cell 'loss' after Descemet membrane endothelial keratoplasty overestimated?**  
Ciechanowski Peter Paul – Zurich, Switzerland
- 17:55-18:03 **Factors predictive of successful DMEK graft tissue preparation**  
Pollock Graeme, Finn Prema, Tole Derek M., Armitage W. John – Bristol, Great Britain
- 18:03 – 18:11 **Technique for eye bank-based manufacturing of pre-cut grafts for DMEK**  
Majore Ingrida, Scheider Ursula, Köhler Angelika, Börgel Martin, Blomberg Lutz – Hanover, Germany
- 18:11 – 18:19 **Amnitrans EyeBank external tissue preparation: How to provide DMEK grafts, without investments by your eye bank**  
Mangundap Kristin, Groeneveld-van Beek Esther, De Kort Christa E.A.P., Van der Wees Jacqueline, Melles Gerrit R.J. – Rotterdam, the Netherlands
- 18:19 – 18:27 **Incidence and risk factors for macular edema following DMEK**  
Heinzelmann Sonja – Freiburg im Breisgau, Germany
- 18:30 – 19:00 Swiss special program
- 20:15 – 22:30 Gala Dinner – **Quai d'Ouchy – Boat Lausanne**

## Saturday 25<sup>th</sup> January 2014

- 08:00 – 09:00 EEBA Business Meeting for all EEBA members at **Beau Rivage Palace Meeting Room Le Platane**
- 09:00 – 11:00 **SCIENTIFIC SESSION III  
CELL CULTURE AND STEM CELLS:  
EPITHELIUM AND ENDOTHELIUM**  
Chairmen: **François Majo, Martina Bösch**
- 09:00 – 09:25 Main Keynote: **Prof. Shigeru Kinoshita**  
Professor and Director, Department of Ophthalmology,  
Kyoto Prefectural University of Medicine – Japan  
**Future Medical and Surgical Therapeutic Modalities  
for Corneal Endothelial Dysfunction**

# PROGRAM

- 09:25 – 09:35 **Evaluating a new synthetic media 'Cornea Trans' for corneal transportation from hospitals to the eye bank**  
Ruzza Alessandro, Parekh Mohit, Salvalaio Gianni, Ferrari Stefano, Amoureux Marie-Claude, Fortier Denis, Albrecht Cecile and Ponzin Diego – Venice, Italy; Courtaboeuf, France
- 09:35 – 09:45 **Revisiting corneal storage using an innovative bioreactor**  
Thuret G., Bernard A., Naigeon N., Nangoum-Fosso T., He Z., Trone MC., Nefzaoui C., Campolmi N., Gauthier AS., Piselli S., Perrache C., Acquart S., Garraud O., Forest F., Dumollard JM., Peoc'h M., Gain P. – Saint-Etienne, Paris, France
- 09:45 – 09:55 **Integration of current and future quality controls for corneas stored in an innovative bioreactor**  
Naigeon Nicolas, Bernard Aurélien, Nangoum-Fosso Tanguy, Campolmi Nelly, Gauthier Anne-Sophie Trone Marie-Caroline, Pataia Giacomo, He Z., Acquart S., Piselli S., Perrache C., Garraud O., Forest F., Dumollard JM., Peoc'h M., Thuret G., Gain P. – Saint-Etienne, Paris, France
- 09:55 – 10:15 Keynote: **Dr. Paolo Rama**  
Director of the Cornea and Ocular Surface Unit. of San Raffaele Hospital of Milan – Italy  
**Advanced therapies with cultured limbal stem cells:  
15 years of clinical evaluation.**
- 10:15 – 10:30 **Shifting the normal differentiation of the central corneal epithelial cells: from corneal to conjunctival phenotype**  
Majo François, Moulin Alexandre, Nicolas Michael – Lausanne, Switzerland
- 10:30 – 10:40 **Allogeneic transplantation of ex-vivo expanded limbal epithelium from HLA-typed living-related donors for the treatment of limbal stem cell deficiency**  
Amir Khaleda – Essen, Germany
- 10:40 – 10:50 **Ex-vivo expanded autologous limbal stem cell therapy: preliminary clinical results in 6 patients**  
Torrás Josep, Martínez Eva, Casaroli Ricardo – Barcelona, Spain
- 10:50 – 11:00 **New culture medium in supporting limbal stem cell phenotype**  
Popova Anna, Ulyanov Alexey, Fechin Oleg, Shilovskikh Oleg – Ekaterinburg, Russia
- 11:00 – 11:30 Coffee Break – Exhibition and posters

# PROGRAM

- 11:30 – 13:00 **SCIENTIFIC SESSION IV  
PENETRATING KERATOPLASTIES**  
Chairmen: **Vincent Borderie, Thomas Fuchsluger**
- 11:30 – 11:50 Main Keynote: **Prof. Vincent Borderie**  
Professor of Ophthalmology, Centre hospitalier national d'ophtalmologie des Quinze-Vingts – Paris, France  
**The fate of corneal endothelial cells after keratoplasty**
- 11:50 – 11:58 **Stromal Bowman layer implantation: an alternative method to prevent further progression in advanced keratoconus**  
Groeneveld-van Beek Esther A., Van Dijk Korine, Parker Jack, Ham Lisanne, Lie Jessica T., Melles Gerrit R.J. – Rotterdam, the Netherlands
- 11:58 – 12:06 **Management of Nontraumatic Corneal Perforation**  
Vassileva Petja – Sofia, Bulgaria
- 12:06 – 12:14 **Pro-angiogenic cytokines and its receptors in corneas of patients undergoing penetrating keratoplasty**  
Drača Nataša, Sekelj Sandra, Balog Tihomir, Pauk Gulić Maja, Dekaris Iva – Rijeka, Zagreb, Croatia
- 12:14 – 12:22 **Clinical Outcomes after Deep Anterior Lamellar Keratoplasty Using Fresh versus Frozen Corneal Tissues**  
Rezaei Kanavi Mozghan, MD, Javadi Mohammad Ali, MD, Feizi Sepehr MD, Javadi Fatemeh, Ghasemi Hassan, MD, Karimdzani Setareh, MD, Mirbabaee Firooz, MD – Tehran, Iran
- 12:22 – 12:30 **Horseshoe Lamellar keratoplasty in pellucid marginal degeneration: surgical technique and preliminary results**  
Sauvageot Paola, Lamarca Jose, De la Paz María, Alvarez de Toledo Juan – Barcelona, Spain
- 12:30 – 12:38 **Retrospective analysis of acanthamoeba keratitis at Dusseldorf University Hospital (1993-2013)**  
Fuchsluger Thomas – Dusseldorf, Germany
- 12:38 – 12:46 **Challenge of Acanthamoeba Keratitis Treatment**  
Miličić Neven, Pauk Gulić Maja, Dekaris Iva – Rijeka, Croatia

# PROGRAM

- 12:46 – 12:54 **Non-standard use of eye tissues in ophthalmic surgery**  
Rymgayllo-Jankowska Beata, Rakowska Ewa, Cwiklinska Agnieszka, Haszcz Dariusz, Zarnowski Tomasz – Lublin, Poland
- 13:00 – 14:30 Lunch Break – Exhibition and posters
- 14:00 – 14:30 **Special event Gene Signal**  
Keynotes: Prof. Paolo Rama – **Corneal angiogenesis: friend or foe?**  
Prof. Claus Cursiefen – **Aganirsen antisense nucleotide eye drops for CNV in Keratitis patients: The I-CAN study**
- 14:30 – 16:45 **SCIENTIFIC SESSION V  
EYE BANKING MISCELLANEOUS**  
Chairmen: **Farhad Hafezi, Claus Cursiefen**
- 14:30 – 14:50 Main Keynote: **Prof. Claus Cursiefen**  
Chairman and Professor, Dept. of Ophthalmology, University of Cologne, Germany. Adjunct Associate Scientist, Schepens Eye Research Institute/ Harvard Medical School – Boston, United States  
**Transplant immunology of lamellar and penetrating corneal grafts: what is new?**
- 14:50 – 14:58 **Endothelial cell density in donor eyes with evidence of previous cataract surgery; experience from the CTS-Manchester Eye Bank**  
Zambrano Isaac, Yin Kun, Jones Mark, Cawley Julie, Kelly Thomas, Carley Fiona – Manchester, Bolton, Bristol, Great Britain
- 14:58 – 15:06 **Factors Influence on Morphological Quality of the Corneas**  
Grabska-Liberek Iwona – Warszawa, Poland
- 15:06 – 15:14 **False negative results in microbiological analyses of corneal tissues**  
Pocobelli Augusto, Mistò Raffaella, Pateri Francesca, Limongelli Anna, Vignola Rossella, Giurgola Laura, Claudio Gatto – Roma, Monza, Roma, Ponte San Nicolò, Italy
- 15:14 – 15:22 **Decontamination of donor cornea using DECO-C**  
Limongelli A., Pateri F., Giurgola L., Gatto C., D'Amato Tóthová J., Mistò R. – Monza, Ponte San Nicolò, Italy
- 15:22 – 15:30 **Relationship between conjunctival swabs of cornea donors and medium contamination**  
Klamann André – Düsseldorf, Germany

# PROGRAM

- 15:30 – 15:38 **Microbiological results postmortem following desinfection of the fornices and anterior eyebulb with polyvidon-iodine and following immersion of the complete eyebulb**  
Uhlig CE., Eter N., Niemeyer M., Harmsen-Aasman C. – Münster, Germany
- 15:38 – 15:46 **Animal compound-free Cornea Storage media STEM ALPHA: Data validation of two Cornea banks and patients follow-up**  
Auxenfans Céline, Kocaba Viridiana, Febvay Camille, Burillon Carole, Muraine Marc, Damour Odile – Lyon, Paris, France
- 15:46 – 15:54 **Optimizing the deswelling process of organ-cultured corneas before DSAEK**  
Muraine M., Toubreau D., Sourati I., Gleize S., Chaventre F. – Rouen, Paris, France
- 15:54 – 16:02 **Recipient human serum-adapted cornea for high-risk keratoplasty**  
Gatzioufas Zisis and Hafezi Farhad, Seitz Berhold, Thanos Solon – Geneva, Switzerland; Münster, Germany
- 16:02 – 16:10 **'Organ Donor Register' in Denmark**  
Nielsen Kim, Magnúsdóttir Vigdis, Hjortdal Jesper – Aarhus, Danmark
- 16:10 – 16:18 **The challenges of corneal storage and transplant allocation over the holiday and festive periods**  
Jones Gary L.A, Mazzacurati Cristina, Ficotto Margherita – Zelarino/Venice, Italy
- 16:18 – 16:26 **Corneal Recovery Post Vitreous Draw**  
Thomas Miller – Seattle, United States
- 16:26 – 16:34 **EU-wide economic overview of the markets of tissues and cells for transplantation**  
De By Theo, Geesink Ingrid, Bokhorst Arlink – Berlin, DE; Den Haag, the Netherlands
- 16:34 – 16:42 **Implementation of EU directives on tissue banking in a pre-accession country**  
Nasić Mirjana – Zagreb, Croatia
- 16:45 – 17:45 **Closing Ceremony**