### Scientific Programme

**16 January 2020**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>11:30</td>
<td>Registration open</td>
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<tr>
<td>14:30-16:00</td>
<td>Guided City Tours</td>
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<tr>
<td>12:00-18:45</td>
<td>Wetlabs and Workshops</td>
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**Sponsored by:**

- **Limbal Stem Cells** (12.00-14.00 en)
  Workshop leaders: V. Mittal, C. Figueiredo, E. Chankiewitz, T. Fuchsluger

- **Techniques for Lamella Preparation** (14:00-15:30 dt, 15:45-17.15 en)
  Workshop leaders: A. Haus, S. Wahl, L. Blomberg

- **Cell counting** (14:00-15:30 en, 17:30-18.45 dt)
  Workshop leaders: J. Schroeter, D. Ponzin, P. Maier

- **Slit Lamp** (15:45-17:15 dt, 17:30-18.45 en)
  Workshop leaders: I. Dekaris, M. Walckling

- **Donor cases** (14:00-15:30 en, 17:30-18.45 dt)
  Workshop leaders: J. Kniese, H. Beele

- **Donor consent & next of kin interview** (14.00-15.30 en, 15:45-17.15 en)
  Workshop leaders: S. Pfuir, D. Trojan

- **IT & data banking** (15:45-17.15 en)
  Workshop leaders: J. Klerke, M. Witt

- **Fundraising & Promotion** (17:30-18.45 en)
  Workshop leaders: P. Dahl, G. Jones, G. Pollock

**19:00** Welcome Reception

- **E. Nagel**  
  University Bayreuth, Institute for Medicine Management and Health Sciences, Bayreuth, Germany

- **M. Börzel**  
  German Society for Tissue Transplantation, Hannover, Germany

**19:10** Photo & Art Contest Exhibition and Get-together
17 January 2020

<table>
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<th>Time</th>
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<tr>
<td>07:30</td>
<td>Registration open</td>
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<tr>
<td>08:15</td>
<td>EEBA Committee Meeting (Closed)</td>
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| 10:00 | Opening Ceremony - The impact of Vision 2020 in eliminating avoidable blindness  
T. Brunotte
VolkswagenStiftung  
I. Dekaris  
European Eye Bank Association President  
P. Maier  
Speaker of the DOG-Section Tissue Transplantation and Biotechnology,  
University Clinic of Freiburg, Department of Ophthalmology, Freiburg, Germany  
M. Börgel  
German Society for Tissue Transplantation, Hannover, Germany  |
| 10:30 | Niels Ehlers Memorial  
A. Viestenz  
University Clinic of Halle, Department of Ophthalmology, Halle, Germany  
F. Wilhelm  
Augen im Zentrum, Greifswald, Germany  |
| 10:50 | Session I: Banking - Quality assurance, microbiological safety, corneal storage  
Chairs: M. Acharya, J. Schroeter  |
| 10:50 | Significant differences between specular microscopy and corneal bank endothelial cell counts – a pilot study  
K. Boden  
Knappschafts-Klinikum Sulzbach, Augenklinik, Sulzbach, Germany  |
| 11:00 | New HECplus protocol to further improve the accuracy of pan-endothelial viability measurement  
S. Al-Bourgol  
Jean Monnet University, Corneal Graft Biology, Engineering and Imaging Laboratory, EA2521, Faculty of Medicine, Saint Etienne, France  |
| 11:10 | Comparison of the Performance of Traditional Cold Corneal Storage Media to a New Cold Corneal Storage Media with Antimycotic Tablet  
M. Tramber  
Miracles In Sight, Vice President of Operations, Winston Salem, North Carolina, United States of America  |
11:20 Changes in thickness and curvature of human corneal grafts in dextran-containing culture medium before keratoplasty
L. Hamon
Saarland University Medical Center, Department of Ophthalmology, Homburg, Germany

11:30 The active storage machine (ASM) allows detecting traces of corneal refractive surgery: case report
S. Al-Bourgol
Jean Monnet University, Corneal Graft Biology, Engineering and Imaging Laboratory, EA2521, Faculty of Medicine, Saint Etienne, France

11:40 A novel preservation technique for long-term storage and ambient distribution of transplantable human corneas
L. E. Sidney
University of Nottingham, Academic Ophthalmology, Nottingham, United Kingdom

11:50 Short Break

12:10 Session II: Banking – lamellar transplants & cell preparation

12:10 Clinical Outcome of Descemet Membrane Endothelial Keratoplasty (DMEK) using Corneal Grafts from Septic versus Non-Septic Donors
S. Sajet
NIIOS, Amnitrans Eyebank Rotterdam, Rotterdam, Netherlands

12:20 Pre-Cut LaMEK enables cell recovery through rest period before surgery
N. Hofmann
German Society for Tissue Transplantation, Hannover, Germany

12:30 Towards a limbal stem cell xenofree GMP production in Eye Bank.
N. Otero
Barcelona Tissue Bank, Banc de Sang i Teixits, Barcelona, Spain
Biomedical Research Institute, IIB-Sant Pau, Barcelona, Spain

12:40 Assessment of Effectiveness of Serum Eyedrops Using a Corneal Wound Healing Model In Vitro
V. Barrera
NHS Blood and Transplant, Tissue and Eye Services R&D, Liverpool, United Kingdom

12:50 Setting up a serum eye drops program in an Austrian blood and tissue bank
S. Hennerbichler
Red Cross Blood Transfusion Service of Upper Austria, Blood and Tissue Bank, Linz, Oberösterreich, Austria

13:00 Lunch
13:30 Guided Poster Tour I
Chair: P. Merz

Decontamination of whole donor eye globes with a commercial antibiotic cocktail medical device
V. Lambert
University Hospital Liege, Ophthalmic Tissue Bank, Liege, Belgium

Corneal endothelial cell counting using two different endothelial cell analysis systems
P. R. Merz
University-Hospital Heidelberg, Department of Ophthalmology/ Lions Eye Bank, Heidelberg, Baden-Württemberg, Germany

Screening for cornea gutatta during organ culture.
S. Ninotta
Etablissement français du sang, Eye bank of Saint-Etienne, Saint-Etienne, France

Extraction of crystalline proteins from porcine eye lens and evaluation of their relation with oxidative stress
L. Giurgola
Alchilife S.r.l., Research and development, Ponte San Nicolò, Italy

A quantitative method for testing the toxicity in a human retina ex-vivo model
J. D’Amato Tothova
Alchilife Srl, Ponte San Nicolò, Italy

Amniotic membrane - the processing, storage, supply, and its use in ophthalmology.
B. I. Rymgayłło-Jankowska
Department of Ophthalmology, Medical University of Lublin, Lublin Eye Bank, Lublin, Poland
Lublin Eye Bank, Poland, Lublin, Poland

Optimization of Human Amniotic Membrane Decellularisation
A. Joseph
NHS Blood and Transplant, Tissue and Eye Services R&D, Liverpool, United Kingdom

14:00 Session III: Transplantation - Lamellar grafts, donor characteristics and challenges
Chairs: I. Martinache, L. Blomberg

14:00 The safety of the donor cornea for the patient
A. Rijneveld
ETB-BIS life, Cornea Bank, Beverwijk, Netherlands

14:10 New device for penetrating keratoplasty surgery to stop and treat an intraoperative expulsive hemorrhage
J. Lamarca Mateu
Universitat Internacional de Catalunya, Anatomia, Sant Cugat del Vallès, Spain
L. Blomberg
DGFG, Cornea Bank Hannover, Hannover, Lower Saxony, Germany
Augenzentrum Hildesheim-Affeld, Medicinum, Hildesheim, Lower Saxony, Germany

14:30 Refractive outcome after triple DMEK
M. Walckling
University of Rostock, Department of Ophthalmology, Rostock, Mecklenburg-Western Pomerania, Germany

14:40 Tissues with issues: How to prevent waste of sub-optimal DMEK grafts?
E. Groeneveld-van Beek
NIIOS, Amnitrans Eyebank Rotterdam, Rotterdam, Netherlands

14:50 Innovative and easily accessible dry-preparation of human amniotic membrane for enhanced treatment of ocular surface and wound care conditions
A. Hopkinson
University of Nottingham, Academic Ophthalmology, Division of Clinical Neuroscience, Nottingham, United Kingdom
NuVision Biotherapies, Nottingham, United Kingdom

15:00 Coffee Break

15:45 Business presentation Schaumaplast

16:00 Session IV: Ophthalmological therapies - new methods & applications
Chairs: P. Rooney, E. Chankiewitz

16:00 Decellularisation of Conjunctiva for Development of a New Composite Allograft to Treat Severe Ocular Diseases
V. Barrera
NHS Blood and Transplant, Tissue and Eye Services R&D, Liverpool, United Kingdom

16:10 Femtosecond Laser assisted penetrating keratoplasty for treating infective keratitis
M. H. M. H. Hosny
Cairo University, Ophthalmology, Giza, Egypt

16:20 Expert and user feedback on the application of AmnioClip-plus
N. Hofmann
German Society for Tissue Transplantation, Hannover, Germany

16:30 Simple Conjunctival Epithelial Transplantation (SCET) in primary pterygium surgery
M. Bertolin
Veneto Eye Bank Foundation, Zelarino, Italy
17 January 2020

16:45  Meeting – Eye Bank Corresponding Members and Directory SIG

19:30  Gala Dinner and Award Ceremony of the Photo & Art Contest
      Location: Altes Rathaus

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08:00  Registration open

08:30  Business Meeting (Open)

09:30  Session V: Innovation
      Chairs: K. Engelmann, H. Reinshagen

09:30  Introducing Engineered Descemet Membrane Endothelial Keratoplasty (eDMEK)
      M. Binner
      Leibniz Institute of Polymer Research Dresden, Institute Biofunctional Materials, Dresden, Saxony, Germany

09:40  Descemet’s membrane biomimetic micro-topography differentiates human mesenchymal stem cells into corneal endothelial-like cells
      A. Gutermuth
      Fraunhofer Institute for Production Technology, Applied Cell Biology, Aachen, North Rhine-Westphalia, Germany

09:50  Nanofiber membranes as substitutes for posterior lamellar keratoplasty
      T. Fuchsluger
      University of Rostock, Department of Ophthalmology, Rostock, Mecklenburg-Western Pomerania, Germany

10:00  Protecting the corneal endothelium by silencing of pro-apoptotic proteins
      T. Fuchsluger
      University of Rostock, Department of Ophthalmology, Rostock, Mecklenburg-Western Pomerania, Germany

10:20  Session VI: Donation and related processes
      Chairs: P. Dahl, A. Hakamäki

10:20  Experience in Willingness of Corneal Donation in an Institute for Legal Medicine with Forensic Cases of Death and Deceased in Clinical Mortuary
      M. Lüders
      Universitätsklinikum Hamburg-Eppendorf, Institut für Rechtsmedizin, Hamburg, Hamburg, Germany

10:30  Cornea donation in Germany: Obtaining consent
      S. Schmidt
      German Society for Tissue Transplantation, Hannover, Germany
10:40 Ethical and legal considerations in the management of ocular tissue donations from non-competent donors: the experience of the Veneto Eye Bank Foundation
A. Pagin
Fondazione Banca degli Occhi del Veneto ONLUS, Venezia, Italy

11:00 Coffee Break

11:15 Guided Poster Tour II
Chair: S. Wahl

Should donor age be included as exclusion criteria for the cornea donation?
X. Lafarge
Etablissement Français du Sang Nouvelle Aquitaine, Eye Bank, Bordeaux, France

Outcomes of Therapeutical Penetrating Keratoplasty for Fungal Keratitis
J. Quadrado Gil
Centro Hospitalar e Universitário de Coimbra, EPE, Ophthalmology Department, Coimbra, Portugal
University of Coimbra, Faculty of Medicine, Coimbra, Portugal

Influence of a donor after cataract surgery on the success of a DMEK
A. Haus
Eye Clinic Sulzbach/Saar, Sulzbach, Saarland, Germany

Review of reported DMEK graft preparation failures and analysis of possible contributing factors
U. Paulus
NHS Blood and Transplant, Bristol, United Kingdom

Gaining Consent for Cornea Donation from deceased Patients’ Relatives - Evaluation of a Communication Training of employees in Cornea eye banks using the Aachen model as an example
S. Stiel
Hannover Medical School, Institute for General Practice, Hannover, Lower Saxony, Germany

3D Bioprinting of corneal stromal models using keratocyte-loaded hydrogels
M. Rohde
Uniklinik RWTH Aachen, Eye Clinic, Aachen, Germany

Validation and assessment of an antibiotic decontamination manufacturing protocol for vacuum-dried-human amnion
E. R. Britchford
University of Nottingham, Academic Ophthalmology, Division of Clinical Neuroscience, United Kingdom
11:45  Session VII: VISION 2020 I - International Development
Charity vs. self-sufficiency: challenges in establishing donation systems, cornea banking and transplantation in developing countries
Chairs: A. T. Magava, M. Börgel

11:45  VISION 2020 – preventing blindness beyond national borders
E. Nagel
University Bayreuth, Institute for Medicine Management and Health Sciences, Bayreuth, Germany

12:00  Training and transplantation programmes in Peru
A. Viestenz
University Clinic of Halle, Department of Ophthalmology, Halle, Germany

12:10  Corneal transplantation in Cameroon
F. Wilhelm
Augen im Zentrum, Greifswald, Germany

12:20  Experiences and learnings from Indian Community eyebank
M. Acharya
Dr. Shroff’s Charity Eye Hospital, New Delhi, India

12:30  Roundtable: Corneal transplantation and tissue management in Africa
Moderation: M. Börgel

12:40  Training in corneal transplantation – a chance for the patients
L. Njikam Fokunang
Kilimanjaro Christian Medical Centre, Department of Ophthalmology, Moshi, Tanzania

12:50  Challenges and status quo of patient care with corneal transplants in Tanzania
E. J. Muna
Kilimanjaro Christian Medical Centre, Department of Ophthalmology, Moshi, Tanzania

13:00  Cornea transplantation in Rwanda: Lessons learnt in the last 10 years.
J. Nkurikiye
Rwanda International Institute of Ophthalmology, Kigali, Rwanda

13:10  10 Years Journey in Eye Banking Success – challenges and plans going forward
R. Peerbhoy, P. Singh
LIONS Sightfirst Eye Hospital, Loresho, Nairobi

13:20  Activities of the IAPB Network in preventing blindness
A. T. Magava
IAPB Sub-Saharan Africa Chair, Harare, Zimbabwe
18 January 2020

13:30  Session VIII: VISION 2020 II – Ethics

Chairs: E. Nagel, M. Börgel

13:30  Ethics in tissue donation networks

G. Pollock
University Melbourne, Centre of Eye Research Australia, Melbourne, Australia

14:00  Closing Ceremony

14:15  Farewell

Lunch to go