



Program

Medical supervisor: Dr. med. Erwin Andreas Scharberg

Monday November 4th 2024

- 11:45 pm *Get together + snack*
- 12:30 pm Welcome and introduction
Sabine Scholz - inno-train Diagnostik GmbH
- Block 1, chairs: Dr. med. Erwin Andreas Scharberg & Dr. Vicky Van Sandt***
- 1:00 pm Regulation of Gene Expression – From Basic Mechanisms to Blood Group Phenotypes
Prof. Dr. Peter Bugert - German Red Cross, Mannheim, Germany
- 1:50 pm miRNAs - New players in the regulation of ABO blood group antigen
Dr. Romy Kronstein-Wiedemann - German Red Cross North-East, Dresden, Germany
- 2:40 pm *Coffee break*
- Block 2, chairs: Dr. Yann Fichou & Dr. Celina Montemayor***
- 3:30 pm Noninvasive Fetal RHD Genotyping in D negative, Pregnant Women
Dr. Frederik Banch Clausen - Copenhagen University Hospital, Denmark
- 4:20 pm Problem Solving Immunohaematological Puzzles; the Use of Genetic Methods in a Tertiary Reference Laboratory
Dr. Vanja Crew - International Blood Group Reference Laboratory, NHSBT, Bristol, UK
- 5:10 pm *End of day 1*
- 7:00 pm *Dinner*



Tuesday November 5th 2024

Block 3, chairs: Dr. Frederik Banch Clausen & Dr. Vanja Crew

- 8:30 am Molecular epidemiology of the RH blood group system: our contribution to the current knowledge
Dr. Yann Fichou- Établissement français du sang (EFS) – Brest, France
- 09:20 am Blood group genetic diversity in Canada: clinical challenges
Dr. Celina Montemayor- Canadian Blood Services, Toronto, Ontario, Canada
- 10:10 am *Coffee break*

Block 4, chairs: Prof. Dr. Christoph Gassner & Assistant Prof. Dr. Nicholas Gleadall

- 11:00 am Experiences in NGS for Blood Group Genotyping
Dr. Jan Konietzka - inno-train Diagnostik GmbH
- 11:50 am Challenging inno-train: RBC-NGStype
Dr. Vicky Van Sandt- Belgian Red Cross Flanders – HILA, Mechelen, Belgium
- 12:40 pm *Lunch*

Block 5, chairs: Prof. Dr. Peter Bugert & Dr. med. Erwin Andreas Scharberg

- 2:00 pm Blood Group Genomics and Precision Blood Matching
Assistant Prof. Dr. Nicholas Gleadall - University of Cambridge, UK
- 2:50 pm Chimera and Mosaics - Biological Phenomena Leading to Mixed-Field-Agglutination in ABO and RhD
Prof. Dr. Christoph Gassner - Private University in the Principality of Liechtenstein, Triesen
- 3:40 pm *Final discussion*
- 4:15 pm *Goodbye*