



Final program

Medical supervisor: Dr. med. Erwin Andreas Scharberg - German Red Cross Baden-Baden

Monday November 21st 2022

- 11:45 pm *Get together + snack*
- 12:30 pm Welcome and introduction
Dr. Sabrina König & Sabine Scholz - inno-train Diagnostik GmbH
- ***Block 1, chairs: Dr. Nicole Thornton & Dr. med. Erwin Andreas Scharberg***
- 1:00 pm RHCE-Frequencies and relevance
Prof. Christoph Gassner - Private University in the Principality of Liechtenstein, Triesen
- 1:50 pm Do we need (to extend) red blood cell genotyping to improve transfusion policy in patients with haemoglobinopathies?
Dr. Vicky Van Sandt - Belgian Red Cross Flanders- HILA, Mechelen, Belgium
- 2:40 pm *Coffee break*
- ***Block 2, chairs: Prof. André Franke & Dr. Nicholas Gleadall***
- 3:30 pm Prenatal diagnosis of fetal blood group status using cell free DNA in maternal plasma – 25 years' experience
Dr. Åsa Hellberg - Lund University, Sweden
- 4:20 pm Case Studies: clarification of serologically weak RH1 (RhD) antigens by genotyping
Dr. Sofia Lejon Crottet - Interregional Blood Transfusion SRC Ltd., Switzerland
- 5:10 pm *End of day 1*
- 7:00 pm *Dinner*



Tuesday November 22nd 2022

Block 3, chairs: Prof. Christoph Gassner & Dr. Vicky Van Sandt

- 9:15 am Overcoming the hurdles of establishing a NGS system for red blood cells
Dr. Birgit Omengo & Christian Lang - inno-train Diagnostik GmbH, R&D department
- 10:05 am How high-throughput targeted enrichment can improve blood group typing
Prof. Andre Franke - Institute for clinical molecular biology - Christian-Albrechts Universität Kiel, Germany
- 10:55 am *Coffee break*

Block 4, chairs: Dr. Sofia Lejon Crottet & Dr. Åsa Hellberg

- 11:45 am Confirmation of known ISBT alleles and observation and relevance of unknown alleles
Dr. Nicholas Gleadall - University of Cambridge, UK
- 12:35 pm *Lunch*
- 2:20 pm The biological importance of blood groups - exploring null phenotypes with disease associations
Dr. Nicole Thornton - International Blood Group Reference Laboratory, NHS Blood and Transplant, Filton, Bristol, UK
- ~ 3:10 pm *Final discussion and goodbye*