



**RED CELL GENOTYPING
2021: THE NEW NORMAL
WEDNESDAY SEPTEMBER 22ND, 2021**

PRELIMINARY PROGRAM

Session 1 – Focus on Patients

- Moderator** Willy Flegel MD – NIH Clinical Center, Bethesda, MD
8:25 – 8:30 Welcome and Warm-up (Willy A Flegel MD)
8:30 – 9:15 Jari Louhelainen, PhD, MSc – John Moores University, Liverpool, UK
Title: *Jack-the-Ripper Identified!*
9:15 – 10:00 Catherine Hyland, PhD, MSc – ARCBS, Brisbane, AU
Title: *Maternal plasma cell-free DNA for fetal blood group genotyping – Australian perspective*
10:00 – 10:30 Coffee Break

Session 2 – Clinical Vignettes

- Moderator** Shelly Sahu Kalsi, MD – NHLBI, NIH, Bethesda, MD
10:30 – 10:50 Herleen (Sofi) Rai, MD – NIH Clinical Center, Bethesda, MD
Clinical Vignette I
10:50 – 11:10 Abdulaziz F Al Mana, MD, MSc (Oxon) – University of Miami, Miami, FL
Clinical Vignette II: *A rare cohort of two Rh_{null} individuals*
11:10 – 11:30 Pierre-Aurèle Morin, MD – Université de Sherbrooke, Quebec, QC
Clinical Vignette III: *A novel variant DO*A allele leading to a DO-null phenotype*
11:30 – 12:30 Lunch Break

Session 3 - Bench to Bedside

- Moderator** Christopher Tormey, MD – Yale School of Medicine, New Haven, CT
12:30 – 1:10 Jan Palmblad, MD, PhD – Karolinska Institutet, Stockholm, SE
Title: *Ethnic neutropenia explained*
1:10 – 1:40 Frederik Banch Clausen, DMSc, PhD – Copenhagen University Hospital, Copenhagen, DK
Title: *Maternal plasma cell-free DNA for RHD genotyping – European perspective*
1:40 – 2:15 Gorka Ochoa-Garay, PhD – New York Blood Center, Long Island City, NY
Title: *RH genotyping by nonspecific NGS*
2:15 – 2:30 Coffee Break

Session 4 – Perspectives*

***CME will not be provided for this session**

- Moderator** Gregory A Denomme, PhD, FCSMLS(D) – Grifols, San Marco, TX
2:30 – 3:15 John Roback, MD – Emory University, Atlanta, GA
Title: *Engineering iPSC-RBCs for transfusion*
3:15 – 4:00 Sean Stowell, MD, PhD – Harvard Medical School, Boston, MA
Title: *SARS-CoV-2 receptor-bind domain and the ABO blood group system*
4:00 – 4:10 Discussion
4:10 – 4:15 Closing Remarks and Evaluation (Gregory A Denomme, PhD, FCSMLS(D))