

RED CELL GENOTYPING 2021

THE NEW NORMAL

11TH ANNUAL SYMPOSIUM
WEDNESDAY SEPTEMBER 22ND, 2021

8:25am – 4:15pm

Virtual Attendance Only

To register visit: versiti.org/rcg2021
or email belearning@versiti.org

Providing focused molecular solutions for
patients and donors.

Short Description: This symposium will review the laboratory aspects and clinical benefits of red cell genotyping in patients and blood donors.

Audience: Medical and laboratory professionals interested in clinical red cell genotyping applications for immunohematology and transfusion medicine.

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RED CELL GENOTYPING

Program Description

This symposium will review the laboratory aspects and clinical benefits of red cell genotyping in patients and blood donors.

Audience: Medical and laboratory professionals interested in clinical red cell genotyping applications for immunohematology and transfusion medicine.

Objectives

1. Discuss how advances in molecular immunohematology are changing patient care.
2. Discuss patient care strategies from examples (vignettes) described during case reviews.
3. Review how the fundamentals of molecular immunohematology are affecting clinical studies.
4. Identify genotyping strategies to address the need for uncommon and rare blood.

ACCME Accreditation Statement:

Versiti is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

AMA Credit Designation Statement:

Versiti designates this Live Activity for a maximum of 4.25 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Hours of Participation for Allied Health Care Professionals:

Versiti Wisconsin, Inc. designates this activity for up to 6 hours of participation for continuing education for allied health professionals.

Versiti is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.[®] Program.

Session 1 – Focus on Patients

8:25 – 10:00 EST

Moderator

Willy A. Flegel, MD

Chief, Laboratory Services Section, Department of Transfusion Medicine, NIH Clinical Center, Bethesda, MD

Welcome and Warm-up

Jack-the-Ripper Identified!

Jari Louhelainen, PhD, MSc

Associate Professor of Biochemistry (Helsinki), Senior lecturer of Molecular Biology (Liverpool) Faculty of Science James Parsons Building University of Helsinki, Helsinki, Finland, & Liverpool John Moores University, Liverpool, UK

Maternal plasma cell-free DNA for fetal blood group genotyping – Australian perspective

Catherine Hyland, PhD, MSc

Clinical Services and Research, Australian Red Cross Lifeblood, Brisbane, AU

Adjunct Professor, Faculty of Health, Queensland University of Technology

10:00 – 10:30 EST Break

Session 2 – Clinical Vignettes

10:30 – 11:30 EST

Moderator

Shelley Sahu Kalsi, MD

National Heart, Lung, and Blood Institute, NIH, Bethesda, MD

Clinical Vignette I

Herleen (Sofi) Rai, MD

Clinical Fellow, Department of Transfusion Medicine, NIH Clinical Center, Bethesda, MD

Clinical Vignette II—A rare cohort of two Rh_{null} individuals

Abdulaziz F Al Mana, MD, MSc(Oxon)

BB/TM Fellow, Department of Pathology and Laboratory Medicine, University of Miami, Jackson Memorial Hospital, Miami, FL

2021

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*Clinical Vignette III—A novel variant DO*A allele leading to a DO-null phenotype*

Pierre-Aurèle Morin, MD

Université de Sherbrooke, Quebec, QC

11:30 – 12:30 EST Lunch Break

Session 3 - Bench to Bedside

12:30 – 2:15 EST

Moderator

Christopher A Tormey, MD

Associate Professor of Laboratory Medicine, Lecturer in Molecular Biophysics and Biochemistry; Director, Transfusion Medicine Fellowship, Yale School of Medicine, New Haven, Connecticut

Ethnic neutropenia explained

Jan Palmblad, MD, PhD

Department of Medicine, Karolinska Institutet, Stockholm, Sweden

Maternal plasma cell-free DNA for RHD genotyping – European perspective

Frederik Banch Clausen, DMSc, PhD

Senior Research Scientist, Department of Clinical Immunology, Laboratory of Blood Genetics, Copenhagen University Hospital, Copenhagen, Denmark

RH genotyping by nonspecific NGS

Gorka Ochoa-Garay, PhD

Director of Bioinformatics and Assay Development, New York Blood Center, Long Island City, New York

2:15 – 2:30 EST Break

Session 4 – Perspectives

2:30 – 4:15 EST

CME will not be provided for this session

Moderator

Gregory A Denomme, PhD, FCSMLS(D)

Grifols Laboratory Solutions, San Marco, TX

Engineering iPSC-RBCs for transfusion

John Roback, MD, PhD

Director, Center for Transfusion and Cellular Therapy, Department of Pathology and Laboratory Medicine, Emory University, Atlanta, GA

SARS-CoV-2 receptor-bind domain and the ABO blood group system

Sean Stowell, MD, PhD

Brigham and Women's Hospital, Harvard Medical School, Boston, MA

Discussion

Closing Remarks and Evaluation

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Registration

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Wednesday, September 22, 2021

8:25am – 4:15pm EST

To register on-line go to: Versiti.org/rcg2021 or to register by mail complete the form below.

Registration Fee:

Virtual: \$50

Name: _____

Credentials: _____

Phone: _____

Institution: _____

City/State/Province: _____

Country: _____

Email (required): _____

Mail completed registration form and check made payable to Versiti, Inc. to:
Versiti, Inc.

Clinical Education
Attn: Chris Hlavenka
638 N. 18th St.
PO Box 2178
Milwaukee, WI 53201-2178

Refund policy: Refund requests will not be accepted after September 15, 2021. All refund requests must be received in writing. Any questions or special needs, please email belearning@versiti.org

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