

Hosted by:



With sponsorship from



Red Cell Genotyping 2019 Patients First

8:25am–4:15pm

9th Annual Symposium

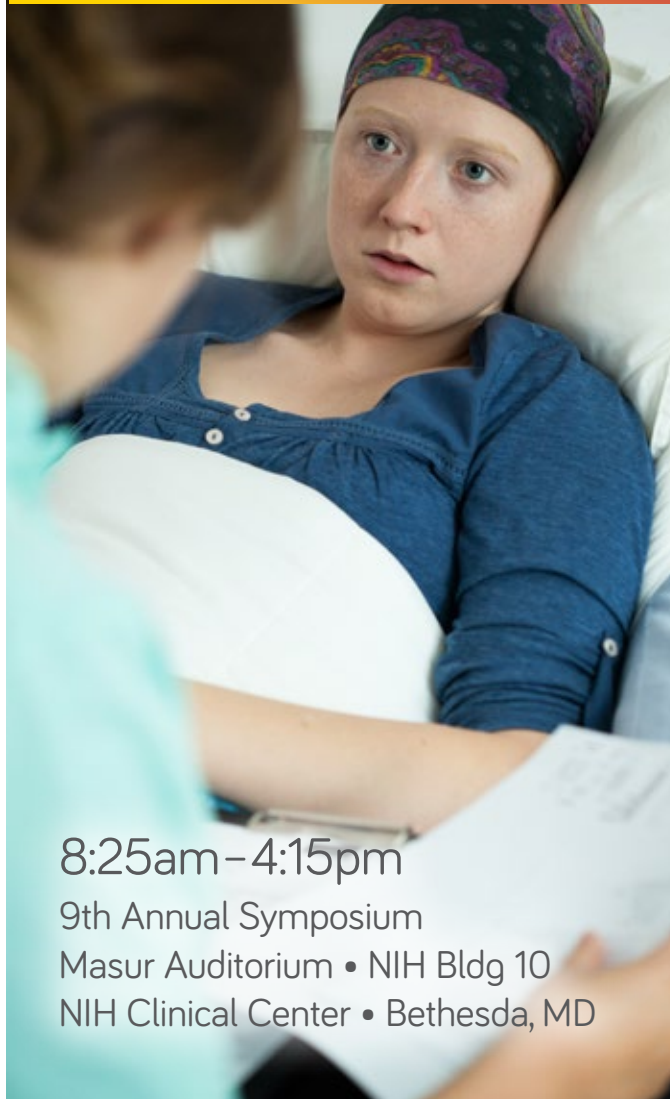
Masur Auditorium • NIH Bldg 10

NIH Clinical Center • Bethesda, MD

To Register visit versiti.org/rcg2019 or call 414.937.6412

Red Cell Genotyping 2019 Patients First

Friday, September 20



8:25am–4:15pm

9th Annual Symposium

Masur Auditorium • NIH Bldg 10

NIH Clinical Center • Bethesda, MD

Red Cell Genotyping 2019 Patients First

Short Description: This 9th annual 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 red cell genotyping strategies addressing the need for rare blood.
5. Discuss the history of first cloning the genes that express blood group antigens.

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

AMA Credit Designation Statement:
Versiti Wisconsin, Inc. designates this Live Activity for a maximum of 6 *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 Wisconsin, Inc. is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program.

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Masur Auditorium

NIH Building 10

NIH Clinical Center, Bethesda, MD

To register on-line go to: versiti.org/rcg2019 or to register by mail complete the form below.

Registration Fee: \$95

Name: _____

Credentials: _____

Phone: _____

Institution: _____

City/State/Province: _____

Email (required): _____

Mail completed registration form and check made payable to Versiti, Inc. to:
Versiti, Inc.
Clinical Education
Attn: Amanda Rohde
638 N. 18th St.
PO Box 2178
Milwaukee, WI 53201-2178

Refund policy: Refund requests will not be accepted after September 13, 2019. All refund requests must be received in writing.

Any questions or special needs, please contact Tasha Leon at 414.937.6412 or email at nmleon@versiti.org

Please allow sufficient time to pass through security at NIH. For visitor information about NIH and security, please visit <http://www.nih.gov/about/visitorsecurity.htm/> For a listing of hotels in the vicinity go to <http://clinicalcenter.nih.gov/about/visitor/hotels.shtml>
Hosted by Versiti, NIH, NIH Clinical Center, NIH Department of Transfusion Medicine, with sponsorship from HémaQuébec and OneBlood.

People Need People.

From research and diagnostic testing to the sharing of lifesaving gifts, we advance the field of personalized medicine while providing care, comfort, and support to our communities.

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Red Cell Genotyping 2019

Patients First

Friday, September 20

Session 1 - Scope of the Problem
8:25 – 10:00

Moderator
Willy A. Flegel, MD
Chief, Laboratory Services Section
Department of Transfusion Medicine
National Institutes of Health (NIH)
Bethesda, MD

Welcome and Warm-up

Keynote address: Perspectives on red cell genotyping

Michael F Murphy, MD
Professor - Blood Transfusion Medicine,
University of Oxford, Oxford, UK
AABB President, Bethesda, MD

Red blood cell glycomics

Karin M Hoffmeister, MD
Senior Investigator, Blood Research Institute,
Versiti, Milwaukee, WI

RBC genotype matching

Christopher Tormey, MD
Associate Professor of Laboratory Medicine,
Lecturer in Molecular Biophysics and
Biochemistry; Director, Transfusion Medicine
Fellowship - Yale University, New Haven, CT

10:00 – 10:30 Coffee Break

Session 2 – Clinical Vignettes
10:30 – 11:30

Moderator
Charles D Bolan, MD
Hematologist - NIHLBI, Bethesda, MD

Clinical Vignette I – Transplantation and transfusion support in a child with red cell aplasia

Opal Lin-Tsai Reddy, MD
Department of Transfusion Medicine, NIH,
Bethesda, MD

Clinical Vignette II - Genotyping in transfusion medicine: A useful tool in blood product selection

Moira Lancelot, MD
Emory University School of Medicine,
Atlanta, GA

Clinical Vignette III - BloodSeq: Using Next generation DNA sequence analysis for blood group alleles

Jill Johnsen, MD
Associate Professor - Department of Medicine,
University of Washington, Seattle, WA

11:30 – 12:30 Lunch Break

Session 3 - Bench to Bedside
12:30 – 2:15

Moderator
Jerome L. Gottschall, MD
Senior Medical Director
Versiti, Milwaukee, WI

Genome wide genotyping for transfusion medicine

Angelo D'Alessandro, MD
Assistant Professor - Biochemistry and Molecular
Genetics, University of Colorado, Denver, CO

Prevalence and risk factors for RBC alloantibodies (REDS-III)

Matthew Karafin, MD
Associate Medical Director, Transfusion Medicine
Assistant Investigator, Versiti, Milwaukee, WI

Loss of RHD heterozygosity

Christine M Cserti-Gazdewich, MD
Assistant Professor - Department of Medicine,
University of Toronto, Toronto, Canada

2:15 – 2:30 Coffee Break

Session 4 – Making It Happen
2:30 – 4:15

Moderator
Gregory A. Denomme, PhD, FCSMLS(D)
Senior Director, Immunohematology
and Innovation
Versiti, Milwaukee, WI

Modeling rare blood in Canada

John T Blake, PhD
Research Engineer - Dalhousie University,
Canadian Blood Services, Halifax, Canada

How it all began in the 1980s: MN, ABO and Rh, and where we stand today

Fumiichiro Yamamoto, PhD, Dr HC
Senior Group Leader - Laboratory of
Immunohematology and Glycobiology, Josep
Carreras Leukaemia Research Institute,
Barcelona, Spain

Discussion

Closing Remarks and Evaluation