

11th Symposium on Hemostasis:

Coagulation and Platelet Biology at the Intersection of Health and Disease

April 25 – 27, 2024

**The Carolina Inn
Chapel Hill, North Carolina**



SCHOOL OF MEDICINE
Blood Research
Center



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The 11th Symposium on Hemostasis and Thrombosis is endorsed by the International Society on Thrombosis and Haemostasis.

April 25 – 27, 2024 | 11th Symposium on Hemostasis Coagulation and Platelet Biology at the Intersection of Health and Disease

THURSDAY, April 25, 2024

Old Well Room

- 6:00pm Registration/ Welcome Reception
- 7:00 – 7:15 Introduction: Matthew Flick and Evi Stavrou
- 7:15 – 7:45 Keynote Address: Speaker: Bernhard Nieswandt
- 7:45 – 8:00 Trainee Introductions
- 8:00 – 9:00 Reception

FRIDAY, April 26, 2024

All sessions will be held in the Hill Ballroom

- 7:30 – 8:10am Continental Breakfast in Chancellor Ballroom
- 8:15 Welcome
Matthew Flick and Evi Stavrou

8:30 – 10:10 AM SESSION I

Coagulation and Aging

Chairs: Kellie Machlus and Erica Sparkenbaugh

- 8:30 – 8:55 Platelets and cognitive aging
Cana Park
- 8:55 – 9:20 Role for the coagulation factor IX in cellular senescence and cancer
Ana O'Loughlen
- 9:20 – 9:45 Megakaryocytes and platelets in aging and age-associated diseases
Pavel Davizon-Castillo
- 9:45 – 10:10 Endogenous anti-oxidants in blood cells, aging and thrombosis
Sanjana Dayal
- 10:10 – 10:40 Break

10:45 – 12:00 PM SESSION II

Coagulation Modifiers of Tissue Microenvironments – Fibrin and Beyond

Chairs: David Paul and Valerie Tutweiler

- 10:45 – 11:10 NET-related aspects of thrombus resolution
Krasimir Kolev
- 11:10 – 11:35 Fibrin-targeted positron emission tomography imaging of intra- and extravascular coagulation in human disease
Peter Caravan
- 11:35 – 12:00 Dissecting the mechanism of platelet-fibrin interactions
Lorena Buitrago
- 12:00– 1:15 Lunch

1:15 – 2:55 PM SESSION III

Complement and the Coagulation System

Chairs: Shruti Chaturvedi and Alisa S. Wolberg

- 1:15 – 1:40 Interplay between complement and coagulation systems in thrombosis
Gloria Gerber
- 1:40 – 2:05 Complement and HIT
Gow Arepally
- 2:05 – 2:30 Vaso-occlusion and pain in sickle cell mice: Role of complement
Greg Vercellotti
- 2:30 – 2:55 Molecular incompatibilities in complement and coagulation as a barrier to xenotransplantation: solutions and challenges
Jeffrey L. Platt
- 2:55 – 3:25 Break

3:25 – 4:55 PM SESSION IV

Hot Topics

Chairs: Ashley Brown and Ana Flores-Mireles

- 3:25 – 3:40 Hot Topic #1
- 3:40 – 3:55 Hot Topic #2
- 3:55 – 4:10 Hot Topic #3
- 4:10 – 4:25 Hot Topic #4
- 4:25 – 4:40 Hot Topic #5
- 4:40 – 4:55 Hot Topic #6

Poster Session- Anne Hill Courtyard

- 5:00 – 6:00 Posters and Awards
- 5:00 Refreshments
- 6:30 – 9:00 BBQ Dinner

SATURDAY, April 27, 2024

All sessions will be held in the Hill Ballroom

- 7:00 – 8:00am Continental Breakfast in Chancellor Ballroom

8:00 – 9:15 AM SESSION V

Infection, Immune Regulation, and Coagulation

Chairs: Grace Lee and A. Valance Washington

- 8:00 – 8:25 Contact system in sepsis: a double-edge sword
Yi Wu
- 8:25 – 8:50 Activated protein C and antithrombin in immune regulation
Ray Rezaie
- 8:50 – 9:15 NETs, PF4 and infection
Kandace Gollomp
- 9:15 – 9:40 Break

9:40 – 10:55 AM SESSION VI

Bi-directional Relationship of Cancer and the Coagulation System

Chairs: Ana Sachetto and Kristen Sanfilippo

- 9:40 – 10:05 Integrin regulation by tissue factor promotes cancer stemness and dissemination
Betül Ünlü
- 10:05 - 10:30 A vascular-restricted neutrophils subpopulation that causes clots in tumors to drive tumor necrosis
Mikala Egeblad
- 10:30 - 10:55 Coagulopathy and bleeding in acute promyelocytic leukemia
Yohei Hisada
- 10:55 - 11:20 Break

11:20 AM – 1:00 PM SESSION VII

Novel Therapies Bench to Bedside

Chairs: Glaiyy Batsuli and Maureen Hoffman

- 11:20 - 11:45 Iron metabolism and erythropoiesis
Maria Aleman
- 11:45 - 12:10 Gene therapy outcomes in sickle cell disease
Alexis Thompson
- 12:10 - 12:35 SerpinPC: novel pharmacology for the potential treatment of hemophilia
Trevor Baglin
- 12:35 - 1:00 TFPI preclinical and clinical perspectives
Alan E. Mast
- 1:00 – 2:30 Lunch: Chancellor Ballroom
Adjourn

PROGRAM PLANNERS

Wolfgang Bergmeier, PhD
Professor
Biochemistry & Biophysics
UNC Blood Research Center
UNC, Chapel Hill

Matthew Flick, PhD
Professor
Pathology & Laboratory Medicine
UNC Blood Research Center
UNC, Chapel Hill

Maureen Hoffmann, MD, PhD
Professor
Pathology & Immunology
Duke University Medical Center
Durham, NC

Nigel Key, MD
Harold R. Roberts Distinguished Professor
Director, UNC Blood Research Center
UNC, Chapel Hill

Nigel Mackman, PhD, FAHA
John C. Parker Distinguished Professor
Associate Director for Basic Science
UNC Blood Research Center
UNC, Chapel Hill

Dougald M. Monroe III, PhD
Professor
UNC Blood Research Center
UNC, Chapel Hill

Rafal Pawlinski, PhD
Professor
UNC Blood Research Center
UNC, Chapel Hill

Evi X. Stavrou, MD
Oscar D. Ratnoff Professor of Medicine
Case Western Reserve University
Cleveland, OH

Alisa S. Wolberg, PhD
Professor
Pathology & Laboratory Medicine
UNC Blood Research Center
UNC, Chapel Hill

INVITED FACULTY

Maria Aleman, PhD
Assistant Professor
Department of Pharmacology
UNC, Chapel Hill

Gowthami Arepally, MD
Professor
Duke University Medical Center,
Durham, NC

Dr. Trevor Baglin
Global Head, Hemophilia,
Centessa Pharmaceuticals Ltd,
Previously Director, Haemophilia
Comprehensive Care Centre, Cambridge, UK

Glaivy Batsuli, MD
Assistant Professor of Pediatrics
Stanford University, CA

Ashley Brown, PhD
Joint Department of Biomedical Engineering
UNC Chapel Hill and NC State University

Lorena Buitrago, PhD
Senior Research Associate,
Allen and Frances Adler Laboratory of Blood and
Vascular Biology Rockefeller University, New York, NY

Peter Caravan, PhD
Institute for Innovation in Imaging
Massachusetts General Hospital
Harvard Medicine School, Boston, MA

Shruti Chaturvedi, MBBS, MSCI
Associate Professor of Medicine
Johns Hopkins University
Baltimore, MD

Pavel Davizon-Castillo, MD
BloodWorks, Northwest Research Institute
Associate Member, University of Washington
Seattle, WA

Sanjana Dayal, PhD, FAHA
Associate Professor
University of Iowa Health Care
Iowa City, IA

Mikala Egeblad, PhD
Bloomberg Distinguished Professor
Johns Hopkins University School of Medicine
Woodbury, NY

Ana Flores-Mireles, PhD
Janet C. and Jeffrey A. Hawk
Assistant Professor
University of Notre Dame, Notre Dame, IN

Gloria Gerber, MD
Assistant Professor, Department of Medicine,
Division of Hematology, Johns Hopkins University
Baltimore, MD

Kandace Gollomp, MD
Assistant Professor
Philadelphia Children's Hospital, PA

Yohei Hisada, PhD Research
Assistant Professor UNC Blood
Research Center UNC, Chapel Hill

Krasimir Kolev, MD, PhD
Simmelweis University, Institute of Biochemistry
And Molecular Biology
Budapest, Hungary

Grace Lee, MD
Assistant Professor
Duke University Medical Center. Durham, NC

Kellie Machlus, PhD
Assistant Professor
Principal Investigator, Boston Children's
Hospital Vascular Biology Program, Harvard
Medical School, Boston, MA

Alan E. Mast, MD, PhD
Leader, Thrombosis and Hemostasis Program
Walter A. Schroeder Endowed Chair for
Blood Research, Senior Investigator
Versiti Blood Research Institute
Milwaukee WI

Prof. Dr. Bernhard Nieswandt
Institute of Experimental Biomedicine
University Hospital and Rudolf Virchow Center
University of Würzburg, Germany

Ana O'Loughlin, PhD
Centre for Biological Research (CIB)
Spanish National Research Council (CSIC)
Madrid, Spain

Canan Park, PhD
Postdoctoral Fellow
University of California, San Francisco

David Paul, PhD
Assistant Professor
Biochemistry and Biophysics
UNC, Chapel Hill

Jeffrey L. Platt, MD
Professor
Department Surgery and of Microbiology
and Immunology
University of Michigan, Ann Arbor, MI

Ray Rezaie, PhD
Cardiovascular Biology Research Program
Oklahoma Medical Research Foundation
Oklahoma City, OK

Ana Sachetto, PhD
Research Associate
UNC, Chapel Hill

Kristen Sanfilippo, MD, MPSH
Assistant Professor
Washington University School of Medicine
St. Louis, MO

Erica Sparkenbaugh, PhD
Research Assistant Professor
UNC, Blood Research Center
UNC Chapel Hill

Alexis Thompson, MD, MPH
Chief, Division of Hematology
Children's Hospital of Philadelphia
Philadelphia, PA

Valerie Tutweiler, PhD
Assistant Professor, Rutgers University
Department of Biomedical Engineering
New Brunswick, NJ

Bettül Ünlü, PhD
Einhoven Laboratory for Experimental Vascular Medicine
Postdoctoral Researcher
Leiden University Medical Center, Switzerland

Greg Vercellotti, MD, FACP
Professor of Medicine
Section Head, Classical Hematology
University of Minnesota Medical School
Minneapolis, MN

A. Valance Washington, PhD
Professor
Oakland University, Rochester, MI

Yi Wu, MD, PhD
Professor
Cyrus Tang Medical Institute
Soochow University
Suzhou, China

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Coagulation, Platelets and Transfusion Medicine
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