

Seminars in Thrombosis & Hemostasis

Editor-in-Chief

Emmanuel J. Favaloro, PhD, FFSc (RCPA)
Institute of Clinical Pathology and Medical
Research (ICPMR)
Westmead Hospital, Australia

Senior Editors

Job Harenberg, MD, PhD
Department of Medicine
University Hospital Mannheim
Mannheim, Germany

Julie Brogaard Larsen, MD, PhD
Thrombosis and Haemostasis Research Unit
Aarhus University Hospital
Aarhus, Denmark

Maha Othman, MD, PhD
Department of Pathology and Molecular
Medicine Queen's University Kingston,
Ontario, Canada

Sam Schulman, MD, PhD
Department of Medicine
McMaster Clinic HHS-General Hospital
Hamilton, Canada

Kristi J. Smock, MD
University of Utah School of Medicine
Salt Lake City, Utah, USA

Founding Editor

Eberhard F. Mammen, MD
Wayne State University
School of Medicine Detroit, Michigan, USA

Associate Editors

Murray Adams, PhD, FFSc (RCPA)
Discipline of Medical, Molecular & Forensic
Sciences, Murdoch University,
Murdoch, WA, Australia

Hanny Al-Samkari, MD
Massachusetts General Hospital
Harvard Medical School
Cambridge, Massachusetts, USA

Deepa J. Arachchilage, MD, FRCP, FRCPATH
Centre for Haematology, Department of
Immunology and Inflammation
Imperial College London, London, UK

Joseph E. Aslan, BA, PhD, MS
Knight Cardiovascular Institute
Oregon Health & Science University
Portland, Oregon, USA

Benjamin Brenner, MD
Department of Hematology
Rambam Medical Center
Haifa, Israel

Roza Chaireti, MD, PhD
Department of Molecular Medicine and
Surgery Karolinska Institute, Karolinska
University Hospital Solna, Sweden

Dong Chen, MD, PhD
Division of Hematopathology
Mayo Clinic, Rochester, USA

Nathan T. Connell, MD, MPH, FACP
Brigham and Women's Hospital,
Harvard Medical School,
Boston, Massachusetts, USA

Antonio Coppola, MD
Regional Reference Centre for Coagulation
Disorders, Federico II University Hospital,
Naples, Italy

Vanessa Cui Lian Chong, MBBS, MRCP, MMED
Department of Haematology
Tan Tock Seng Hospital, Singapore

Jenny Curnow, MBBS, FRACP, FRCPA, PhD
Department of Clinical Haematology
Westmead Hospital, Australia

Akbar Dorgalaleh, PhD
Hamin Pazhuhan Tis Institute,
Tehran, Iran

Bingwen Eugene Fan, MBBS, MRCP, MMED
Department of Haematology
Tan Tock Seng Hospital, Singapore

Robert Flaumenhaft, MD, PhD
Department of Medicine
Beth Israel Deaconess Medical Center,
Harvard Medical School, Boston, USA

Massimo Franchini, MD
Department of Transfusion Medicine and
Hematology "C. Poma" Hospital,
Mantova, Italy

Neil A. Goldenberg, MD, PhD
Johns Hopkins University School of Medicine
St. Petersburg, Florida USA

Robert C. Gosselin, CLS
UC Davis Health System
Hemophilia Treatment Center Sacramento,
California, USA

Tua Gyldenholm, MD
Department of Clinical Biochemistry
Aarhus University Hospital
Aarhus, Denmark

Anne-Mette Hvas, MD, PhD
Center for Hemophilia and Thrombosis
Aarhus University Hospital
Aarhus, Denmark

Beverley J. Hunt, MD, FRCP, FRCPATH
Thrombosis & Haemophilia
Guys and St Thomas' Hospital, London, UK

Toshiaki Iba, MD
Emergency and Disaster Medicine,
Juntendo University Tokyo, Japan

Mandy Lauw, MD, PhD
Dept. of Hematology,
Erasmus University MC, Rotterdam,
The Netherlands

Marcel Levi, MD, PhD
Department of Medicine
University College London Hospitals
London, United Kingdom

Paul F. Lindholm, MD
Hemostasis/Coagulation Laboratory
Northwestern University
Feinberg School of Medicine
Chicago, IL, USA

Giuseppe Lippi, MD
Clinical Chemistry and Hematology
Academic Hospital of Parma
Parma, Italy

Ton Lisman, PhD
Department of Surgery,
University Medical Center Groningen,
Groningen, The Netherlands

Coen Maas, PhD
University Medical Center
Heidelberglaan, Utrecht,
The Netherlands

Mike Makris, MD
Sheffield Haemophilia and Thrombosis Centre,
Royal Hallamshire Hospital, Sheffield,
United Kingdom

Owen McCarty, PhD
Department of Biomedical Engineering
Oregon Health & Science University
Portland, USA

Martina Montagnana, MD
Clinical Biochemistry,
University Hospital of Verona, Italy

Nicola J. Mutch, PhD
Institute of Medical Sciences,
University of Aberdeen, UK

Jamie O'Sullivan, PhD
Royal College of Surgeons in Ireland
Dublin, Ireland

Leonardo Pasalic, FRCPA, FRACP, PhD
Department of Laboratory Haematology
Pathology West
Westmead Hospital, Australia

Roger J.S. Preston, PhD
Department of Molecular and Cellular
Therapeutics Irish Centre for Vascular Biology
Royal College of Surgeons in Ireland,
Ireland

Alok Srivastava, MD
Department of Haematology
Christian Medical College Vellore, India

Giovanni Targher, MD
Division of Endocrinology, Diabetes and
Metabolism Department of Medicine
University of Verona

Antonella Tufano, MD, PhD
Department of Clinical Medicine and Surgery,
"Federico II" University Hospital,
Naples, Italy

Rolf T. Urbanus, PhD
Department of Clinical Chemistry and
Haematology University Medical Center
Utrecht Utrecht, The Netherlands

© 2024. Thieme. All rights reserved. *Seminars in Thrombosis & Hemostasis* is published eight times a year in February, March, April, June, July, September, October, and November by Thieme Medical Publishers, Inc., 333 Seventh Avenue, New York, NY 10001.

Subscription and pricing information in €, US\$, and Indian Rupees can be found online at www.thieme.com/sth/subscribe.

Periodicals postage is paid at New York, NY and additional mailing offices. POSTMASTER: send changes of address to the *Seminars in Thrombosis & Hemostasis*, Thieme Medical Publishers, Inc., 333 Seventh Avenue, New York, NY 10001. Copies not received will be replaced upon written notification to the Publisher. Notification must be received within three months of issue date for U.S. subscribers, and within four months of issue date outside the United States.

Editorial comments should be sent to journals@thieme.com. Articles may be submitted to this journal on an open-access basis. For further

information, please send an e-mail to openaccess@thieme.com. The content of this journal is available online at www.thieme-connect.com/products. Visit our Web site at www.thieme.com and the direct link to this journal at www.thieme.com/sth.

Seminars in Thrombosis & Hemostasis is listed in Biological Abstracts, BIOSIS, Chemical Abstracts, Current Contents/Clinical Medicine, Current Contents/Life Sciences, EMBASE, Excerpta Medica, Index Internacional de Cardiologia, Index Medicus, MEDLINE, Reference Update, Research Alert, Science Citation Index, Scopus, and Scisearch. Thieme Medical Publishers is a member of the CrossRef initiative.

Advertisers in North and South America contact: Cunningham Associates, 180 Old Tappan Road, Old Tappan, NJ 07675. Advertisers outside The Americas contact: Pharmedia, Anzeigen und Verlagsservice GmbH, Postfach 30 08 80, D-70448 Stuttgart, Germany.