Clinical Chemistry

Volume 58, Number 2, Pages 319–482 FEBRUARY 2012

EDITOR-IN-CHIEF
Nader Rifai
Children's Hospital Boston
Harvard Medical School
Boston, MA

DEPUTY EDITORS
Thomas M. Annesley
University of Michigan
Ann Arbor, MI

James C. Boyd
University of Virginia
Charlottesville, VA

ASSOCIATE AND SECTION EDITORS
Robert Dufour
Clinical Case Studies Co-Editor
George Washington University
Washington, DC

W. Greg Miller
Virginia Commonwealth University
Richmond, VA

Michael Oellerich
Georg-August-University
Göttingen, Germany

Robert Rej
New Media Editor
Wadsworth Center for Laboratories and Research
Albany, NY

Amy K. Saenger
Perspectives Editor
Mayo Clinic
Rochester, MN

N. Leigh Anderson
Plasma Proteome Institute
Washington, DC

Fred S. Apple
Hennepin County Medical Center
University of Minnesota
Minneapolis, MN

Michael J. Bennett
Reviews Editor
University of Pennsylvania
Philadelphia, PA

Eleftherios P. Diamandis
Citation Classics Editor
Mount Sinai Hospital
University of Toronto
Canada

Robert Jacobs, Jr.
University of Minnesota
Minneapolis, MN

Allan Jaffe
Mayo Clinic
Rochester, MN

Wolfgang Koenig
University of Ulm Medical Center
Germany

Larry J. Kricka
University of Pennsylvania
Philadelphia, PA

Kristian Linnet
University of Copenhagen
Denmark

CHARLES S. EBY
Washington University
School of Medicine
St. Louis, MO

PAOLO FORTINA
Thomas Jefferson University
Philadelphia, PA

Marilyn A. Huestis
National Institute on Drug Abuse
Baltimore, MD

David R. Jacobs, Jr.
University of Minnesota
Minneapolis, MN

CLIENICAL CASE STUDIES

Board of Editors

Douglas G. Altman
Centre for Statistics in Medicine
Oxford, United Kingdom

David Altshuler
Massachusetts General Hospital
Harvard Medical School
Boston, MA

Patrick M. M. Bossuyt
Academic Medical Center
University of Amsterdam
The Netherlands

Steven A. Carr
Broad Institute
Harvard University/MIT
Cambridge, MA

Rossa W. K. Chiu
The Chinese University of Hong Kong
Hong Kong, China

Nancy Cook
Brigham and Women’s Hospital
Harvard Medical School
Boston, MA

Bruno Domon
Luxembourg Clinical Proteomics
CRP-Sante, Luxembourg

Charles S. Eby
Washington University
School of Medicine
St. Louis, MO

PAOLO FORTINA
Thomas Jefferson University
Philadelphia, PA

Marilyn A. Huestis
National Institute on Drug Abuse
Baltimore, MD

David R. Jacobs, Jr.
University of Minnesota
Minneapolis, MN

Allan Jaffe
Mayo Clinic
Rochester, MN

Wolfgang Koenig
University of Ulm Medical Center
Germany

Larry J. Kricka
University of Pennsylvania
Philadelphia, PA

Kristian Linnet
University of Copenhagen
Denmark

G. MIKE MAKRIGIGOROS
Dana Farber Cancer Institute
Harvard Medical School
Boston, MA

STEPHEN R. MASTER
University of Pennsylvania
Philadelphia, PA

Chad A. Mirkin
Northwestern University
Evanston, IL

KARL G. M. MOONS
University Medical Center Utrecht
The Netherlands

DAVID A. MORROW
Brigham and Women’s Hospital
Harvard Medical School
Boston, MA

BOURGE G. NORDGAARD
Copenhagen University Hospital
Denmark

ALAN REMALEY
National Institutes of Health
Bethesda, MD

TATSUJA SAWAMURA
National Cardiovascular Center
Osaka, Japan

MATTHIAS SCHWAB
Dr. Margarete Fischer-Bosch
Institute of Clinical Pharmacology
Stuttgart, Germany

RICHARD D. SMITH
Pacific Northwest National Laboratory
Richland, WA

MEIR STAMPER
Harvard School of Public Health
Boston, MA

ULF-HÅKAN STENMAN
Helsinki University Central Hospital
Finland

PHILIPPA TALMUD
University College London
London, UK

LINDA M. THIENPONT
Ghent University
Belgium

GREGORY J. TSOGALIS
Dartmouth Hitchcock Medical Center
Lebanon, NH

PUBLISHER — MANAGING EDITOR
Mac Fancher
Sheehan Misko
Bob Sumner
Kristen Robinson
AACC
Washington, DC
AACC
Washington, DC
AACC
Washington, DC
AACC
Washington, DC

EDITIONAL COORDINATORS
Alina Foo
Sarah Lake
AACC
AACC
Washington, DC
Washington, DC

© 2012 American Association for Clinical Chemistry
www.clinchem.org