

The  
Journal  
of

# APPLIED LABORATORY MEDICINE

An AACC Publication

VOLUME 01 | NUMBER 05 | MARCH 2017

---

## EDITOR-IN-CHIEF

**Robert H. Christenson**  
University of Maryland School of Medicine  
Baltimore, MD

---

## DEPUTY EDITOR

**James H. Nichols**  
Vanderbilt University Medical Center  
Nashville, TN

---

## ASSOCIATE EDITORS

**Paul O. Collinson**  
St George's Hospital  
London, United Kingdom

**Christopher R. deFilippi**  
Inova Heart and Vascular Institute  
Falls Church, VA

**Dennis J. Dietzen**  
Washington University  
School of Medicine  
St. Louis, MO

**Sharon M. Geaghan**  
Stanford University  
Menlo Park, CA

**Dina N. Greene**  
University of Washington  
Seattle, WA

**Thomas S. Lorey**  
Kaiser Permanente  
Regional Laboratory  
Berkeley, CA

**Jeffrey W. Meeusen**  
Mayo Clinic  
Rochester, MN

**Lori J. Sokoll**  
Johns Hopkins Medical Institutions  
Baltimore, MD

---

## BOARD OF EDITORS

**Nikola Baumann**  
Mayo Clinic  
Rochester, MN

**David G. Grenache**  
University of Utah  
Salt Lake City, UT

**Stanley F. Lo**  
Children's Hospital of Wisconsin  
Reference Standards Laboratory  
Milwaukee, WI

**Alan T. Remaley**  
National Institutes of Health  
Bethesda, MD

**Kenneth E. Blick**  
University of Oklahoma Health  
Science Center  
Oklahoma City, OK

**Jennifer (Kristie) Johnson**  
University of Maryland  
School of Medicine  
Baltimore, MD

**Christina M. Lockwood**  
University of Washington  
Seattle, WA

**Robert L. Schmidt**  
University of Utah  
Salt Lake City, UT

**Niel T. Constantine**  
University of Maryland  
School of Medicine  
Baltimore, MD

**Saeed A. Jortani**  
University of Louisville  
Louisville, KY

**Sara A. Love**  
Hennepin County Medical Center  
Minneapolis, MN

**Salvador F. Sena**  
Danbury Hospital  
Danbury, CT

**Show-Hong Duh**  
University of Maryland  
School of Medicine  
Baltimore, MD

**Stephen E. Kahn**  
Loyola University  
Medical Center  
Maywood, IL

**Mark A. Marzinke**  
Johns Hopkins Medical Institutions  
Baltimore, MD

**John G. Toffaletti**  
Duke University  
Medical Center  
Durham, NC

**Robert L. Fitzgerald**  
University of California, San Diego  
San Diego, CA

**Steven C. Kazmierczak**  
Oregon Health & Science University  
Portland, OR

**Qing H. Meng**  
University of Texas  
MD Anderson Cancer Center  
Houston, TX

**Alan H.B. Wu**  
University of California,  
San Francisco  
San Francisco, CA

**Barbara M. Goldsmith**  
Thomas Jefferson University  
Philadelphia, PA

**David D. Koch**  
Emory University  
Atlanta, GA

**Gary L. Myers**  
Smyrna, GA

**Victoria Zhang**  
University of Rochester  
Medical Center  
Rochester, NY

**Christopher P. Price**  
University of Oxford  
Gloucestershire, United Kingdom

---

## SYCL LIAISON

**Deborah French**  
University of California, San Francisco  
San Francisco, CA

---

## PUBLISHER

Mac Fancher

---

## ASSOCIATE DIRECTOR

Sheehan Misko

---

## ASSISTANT MANAGING EDITOR

Kristen Hauck

---

## EDITORIAL SPECIALISTS

Sam Geouge Marsha-Ann Watson Patty Brady

**AACC**

Better health through  
laboratory medicine.

**jalm.org**