# CLINICAL LABORATORY SCIENCE

Fall 2009

Volume 22/Number 4

Focus: Cardiovascular Risk Assessment



JOURNAL OF THE AMERICAN SOCIETY FOR CLINICAL LABORATORY SCIENCE

## **ASCLS Mission/Vision Statement**

The American Society for Clinical Laboratory Science serves as the voice of all clinical laboratory professionals, creating a vision for the advancement of the clinical laboratory practice field, and advocating the value and role of the profession ensuring safe, effective, efficient, equitable, and patient centered healthcare.



### AMERICAN SCOCIETY FOR CLINICAL LABORATORY SCIENCE

6701 Democracy Blvd, Suite 300 Bethesda, Maryland 20817 (301) 657-2768, (301) 657-2909 (fax) www.ascls.org

## **ASCLS Core Values**

Core Values include enhancing quality standards and patient safety; providing professional development opportunities; promoting expanded roles and contributions of clinical laboratory professionals to the healthcare team; increasing the diversity in the profession; and expanding the voice and role of under-represented individuals and groups.

# ASCLS MEMBER EDITORS

Editor-in-Chief

Bernadette Rodak MS CLSpH(NCA) Clinical Laboratory Science Program Indiana University Clarian Pathology Laboratory 350 West 11th Street, 6002F Indianapolis IN 46202 317-491-6218, fax 317-491-6163 brodak@iupui.edu

## **Continuing Education Editor**

George A Fritsma MS MT(ASCP) The Fritsma Factor http://www.fritsmafactor.com 153 Redwood Drive Trussville AL 35173 205-821-5641, fax 205-975-7302 george@fritsmafactor.com

## **Clinical Practice Editor**

Libby Spence PhD CLS(NCA)
University of Mississippi Medical Center
School of Graduate Studies in the
Health Sciences
2500 North State Street
Jackson, MS 39216
601-984-1204, fax 601-815-9440
lspence@gme.umsmed.edu

## Research and Reports

David L McGlasson MS CLS(NCA) 59th Clinical Research Division/SGRL 2200 Berquist Dr., Bldg. 4430 Lackland AFB TX 78236-9908 210-292-6555, fax 210-292-6053 david.mcglasson@lackland.af.mil

## **Contributing Editors**

Eileen Carreiro-Lewandowski/N Dartmouth MA Deborah Josko/Newark NJ Elaine Keohane/Newark NJ Rebecca Laudicina/Chapel Hill NC Connie Mahon/Rockville MD Linda Smith/San Antonio TX Michelle Wright-Kanuth/Galveston TX REVIEW BOARD Richard Bamberg/Greenville NC Suzanne Campbell/ Liberal KS Eileen Carreiro-Lewandowski/N Dartmouth MA Dianne Cearlock/DeKalb IL Peter Colaninno/Jamaica NY Maria Delost/Youngstown OH Jo Ann Fenn/Salt Lake City UT Maribeth Flaws/Chicago IL Ellis Frohman/St Louis MO Mildred Fuller/Norfolk VA Abraham Furman/Portland OR Richard Gregory/Indianapolis IN Jesse Guiles/Newark NJ Cindy Handley/Liberal KS Lester Hardegree/Bluffton SC Denise Harmening/Baltimore MD Rita Heuetz/St Louis MO Daniel Hoefner/Elon, NC Linda Hogan/Wichita KS Virginia Hughes/Montgomery AL Deborah Josko/Newark NJ Kelly Joyner/Durham NC Linda Kasper/Indianapolis IN Elaine Keohane/Newark NJ Nancy Konopka/Gettysburg PA Robin Krefetz/Cherry Hill NJ Linda Laatsch/Milwaukee WI Hal Larsen/Lubbock TX Donna Larson/Gresham OR Rebecca Laudicina/Chapel Hill NC Louann Lawrence/New Orleans LA Susan LeclairMarcia Lee/Oxford OH Craig Lehmann/Stony Brook NY Elizabeth Kenimer Leibach/Augusta GA Lynn Little/Dallas TX Karen McClure/Houston TX Carol McCoy/Minneapolis MN Sharon Miller/St Charles IL Isaac Montoya/Houston TX Lillian Mundt/North Chicago IL Harriette Nadler/King of Prussia PA Joan Prince/Milwaukee WI Margaret Reinhart/Philadelphia PA

Masih Shokrani/Dekalb IL Stephen Sodeke/Tuskegee AL James Vossler/Syracuse NY Kathy Waller/Columbus OH Lori Woeste/Normal IL Michele Wright-Kanuth/Galveston TX

#### P.A.C.F.® Liaison

Diane Kumashiro/Kaneohe HI

## **ASCLS BOARD OF DIRECTORS 2009-2010**

Mary Ann McLane, President Marcie Armstrong, President-elect Scott Aikey, Past President Gilma Roncancio-Weemer, Secretary/Treasurer Carol Golyski, Region I Barbara Snyderman, Region II Hassan Aziz, Region III Linda S. Gorman, Region IV Debra Rodahl, Region V Tim Randolph, Region VI Linda Smith, Region VII J.R. Constance, Region VIII Mary Lashinski, Region IX Sheri Gon, Region X Michele Yost, First Year Professional Chair Lisa Martini, Student Forum Chair

## ASCLS Headquarters Executive Staff

Elissa Passiment, Executive Vice President

## EDITORIAL OFFICE AND PRODUCTION

Westminster Publishers 315 Westminster Court Brandon, MS 39047 (601) 214-5028; (202) 315-5843 (fax) westminsterpublishers@comcast.net www.ascls.org/leadership/cls/index.htm

## **Executive Editor**

David Fowler PhD CLS(NCA)

## **Managing Editor**

Myra Fowler CLS(NCA)

Inclusion in the journal of product names or author opinions does not constitute endorse-ment by either *Clinical Laboratory Science* or ASCLS.

Clinical Laboratory Science (ISSN 0894-959X) is published quarterly by the American Society for Clinical Laboratory Science, 6701 Democracy Blvd., Suite 300, Bethesda MD 20817; (301) 657-2768; (301) 657-2909 (fax).

## Annual Subscription Rates:

	USA	Canada	Non-USA
Individuals	\$65	\$75	\$130
Institutions	\$80	\$80	\$130

Questions related to subscriptions should be addressed to: SherryM@ASCLS.org. The cost of single copies is \$15. Requests to replace missing issues free of charge are honored up to six months after the date of issue. Send requests to ASCLS headquarters. Annual membership dues of ASCLS are \$95, \$40 of which is allocated to a subscription of CLS. Periodical postage paid at Bethesda, MD and other additional mailing offices.

 $\label{eq:Advertising} \begin{tabular}{lll} Advertising for CLS is accepted in accordance with the advertising policy of the ASCLS. Contact the CLS advertising representative at (301) 657-2768. \end{tabular}$ 

Perry Scanlan/Clarksville TN

Manuscript Submissions: To encourage consistency in style, refer to guidelines in Scientific Style and Format - The Council of Science Editors Manual for Authors, Editors, and Publishers, 2006.

**Detailed instructions for authors** are available on the ASCLS web-site. Contact the CLS Editorial Office for more information.

All articles published represent the opinions of the authors and do not reflect the official policy of ASCLS or the authors' institutions unless specified.

Microfilm and microfiche editions of CLS are available from Proquest, 300 N Zeeb Road, Ann Arbor MI 48106.

Correspondence related to editorial content should be mailed to: Westminster Publishers, 315 Westminster Court, Brandon MS 39047; (601) 214-5028; (202) 315-5843 (fax). Email: westminsterpublishers@comcast.net

©Copyright 2009 American Society for Clinical Laboratory Science Inc. All rights reserved.

## ADDRESS CHANGES

Postmaster: Send address changes to Clinical Laboratory Science 6701 Democracy Blvd, Suite 300 Bethesda MD 20817