

Contents

Comings and Goings

- 737 National Institutes of Health Names New Director
- 737 Ole Miss Names Medical School Dean as Chancellor
- 738 Dr. Mark Kline Receives Baylor College of Medicine, Texas Children's Hospital Appointments
- 738 University of Texas Southwestern Appoints New Dean of the School of Medicine
- 739 National Institute of Diabetes and Digestive and Kidney Diseases Names Deputy Director
- 739 Jefferson Medical College of Thomas Jefferson University Names Vice Dean of Research
- 740 University of Minnesota Medical School Names Executive Vice Dean
- 740 Center for Devices and Radiological Health Director Resigns
- 740 Cancer Prevention and Research Institute of Texas (CPRIT) Names Scientific Review Council Chair

News

- 741 University of Texas Southwestern Medical Center Receives \$100 Million Gift
- 741 Stanford University Receives \$15 Million for Cancer Center

(continued next page)

Journal of Investigative Medicine (ISSN: 1081-5589), the official journal of the American Federation for Medical Research (AMFR), 900 Cummings Center, Suite 221U, Beverly, MA 01915, is published in January, February, March, April, June, August, October, and December by Lippincott Williams & Wilkins, 16522 Hunters Green Parkway, Hagerstown, MD 21740-2116. Business offices are located at 530 Walnut Street, Philadelphia, PA 19106-3621. Periodicals postage paid at Hagerstown, MD and at additional mailing offices. Copyright © 2009 by the American Federation for Medical Research.

POSTMASTER: Send address changes to *Journal of Investigative Medicine*, P.O. Box 1550, Hagerstown, MD 21740.

Contents *(continued)*

- 741 23 Early Career Scientist Fellowships Supported by Recovery Act Funding
- 741 Case Western Reserve University School of Dental Medicine Receives \$9.5 Million
- 742 Washington University School of Medicine in St. Louis Receives \$3 Million Grant
- 742 Helen Diller Family Cancer Research Building Opens at University of California, San Francisco in Mission Bay
- 742 UnitedHealth and NHLBI Collaborating Centers of Excellence Established
- 743 Southern Illinois University School of Medicine in Springfield Professor Awarded School's Largest NIH Grant
- 744 7 Clinical and Translational Science Awards Announced
- 744 Human Microbiome Project Expanded
- 745 2009 Clinical Scientist Development Awards Announced
- 746 Albert Einstein College of Medicine of Yeshiva University Awarded \$3 Million

In Memoriam

- 747 Irving Schulman
- 747 James Francis Glenn
- 747 Ling Yuan "Thomas" Dao

Research Tools and Issues

- 748 The Applicability of Lean and Six Sigma Techniques to Clinical and Translational Research
Sharon A. Schweikhart, PhD and Allard E. Dembe, ScD

(continued next page)

Contents *(continued)*

Original Article

- 756 Delineation of a Gene Network Underlying the Pulmonary Response to Oxidative Stress in Asthma

Robert J. Freishtat, MD, MPH, Angela S. Benton, BAS, Alan M. Watson, PhD, Zuyi Wang, PhD, Mary C. Rose, PhD, and Eric P. Hoffman, PhD

Brief Report

- 765 P-Selectin and P-Selectin Glycoprotein Ligand 1 Mediate Rolling of Activated CD8⁺ T Cells in Inflamed Colonic Venules

Muhammad Asaduzzaman, PhD, Andrada Mihaescu, MD, Yusheng Wang, PhD, Tohru Sato, MD, and Henrik Thorlacius, MD, PhD

Original Article

- 769 Distribution of Endothelial Nitric Oxide Synthase Gene Polymorphisms in Turkish Population

InciIay Sinici, MD, PhD, Sevilay Karahan, MSc, and Enver Atalar, MD

EB Symposium

- 777 It Takes Two to Tango: Combined Amylin/Leptin Agonism as a Potential Approach to Obesity Drug Development

Jean L. Chan, MD, Jonathan D. Roth, PhD, and Christian Weyer, MD

- 784 Leptin Deficiency: Clinical Implications and Opportunities for Therapeutic Interventions

Susan Blüher, MD, Sunali Shah, and Christos S. Mantzoros, MD, DSc, FACP, FACE

- 789 Central Leptin Receptor Action and Resistance in Obesity

Christian Bjorbaek, PhD

Grants and Contracts

- 795 Dissecting the Early HIV Immune Response: A Systems Biology Approach (P01): RFA-AI-09-018

(continued next page)

Contents *(continued)*

- 795 Bioenergetics, Fatigability, and Activity Limitations in Aging (R21): PA-09-191
- 796 Bioenergetics, Fatigability, and Activity Limitations in Aging (R03): PA-09-192
- 796 Biomarkers for Early Detection of Hematopoietic Malignancies (R21): PA-09-198
- 797 Identifying Non-Coding RNA Targets for Cancer Early Detection and Prevention (R01): PA-09-199
- 798 Advances in Polycystic Kidney Disease (R01): PA-09-202
- 798 Development and Validation of Disease Biomarkers (R01): PA-09-204
- 799 Centers of Cancer Nanotechnology Excellence (CCNES) (U54): RFA-CA-09-012
- 799 International Research Collaborations on HIV/AIDS and Drug Use (R01): RFA-DA-10-008
- 800 Ancillary Studies of Acute Kidney Injury, Chronic Kidney Disease, and End Stage Renal Disease Accessing Information From Clinical Trials, Epidemiological Studies, and Databases (R01): PA-09-196
- 801 NHLBI Systems Biology Collaborations (R01): PAR-09-214
- 801 Calcium Oxalate Stone Diseases (R01): PA-09-213
- 802 Mechanisms Underlying the Links Between Psychosocial Stress, Aging, the Brain and the Body (R01): PA-09-216
- 802 The Role of Apolipoprotein E, Lipoprotein Receptors and CNS Lipids Homeostasis in Brain Aging and Alzheimers Disease (R01): PA-09-217
- 803 Limited Competition: Support for Human Specimen Banking in NCI-Supported Clinical Trials - Cooperation Group Banks (CGB) (U24): RFA-CA-09-504
- 804 Cystic Fibrosis Research and Translation Core Centers (P30): RFA-DK-09-009

(continued next page)

Contents *(continued)*

- 804 Exfoliated Cells and Circulating DNA in Cancer Detection and Diagnosis (R21): PA-09-238
- 805 Small Grant Program for NIDDK K01/K08/K23 Recipients (R03): PAR-09-230
- 805 Diets, Epigenetic Events, and Cancer Prevention (R21): PA-09-235

Annual subscription rates worldwide: \$532.00 Individual Domestic, \$692.00 Individual International, \$677.00 Institutional Domestic, \$932.00 Institutional International, \$172.00 Domestic Resident, \$177.00 International Resident. Single copies \$116.00. Society member copies \$25. (The Canadian GST tax of 7% will be added to the subscription price of all orders shipped to Canada. Lippincott Williams & Wilkins' GST Identification Number is 895524239. Publications Mail Agreement #40052291.) Subscriptions outside the United States must be prepaid. Subscriptions outside North America must add \$7.00 for airfreight delivery. Prices subject to change without notice. Copies will be replaced without charge if the publisher receives a request within 90 days of the mailing date, both in the U.S. and worldwide. Visit us on-line at www.lww.com.

Individual subscription rates include print and access to the online version. Institutional rates are for print only; online subscriptions are available via Ovid. Institutions can choose to purchase a print and online subscription together for a discounted rate. Institutions that wish to purchase a print subscription, please contact Lippincott Williams & Wilkins, 16522 Hunters Green Parkway, Hagerstown, MD 21740-2116; phone 800-638-3030 (outside the United States 301-223-2300); fax 301-223-2400. Institutions that wish to purchase an online subscription or online with print, please contact the Ovid Regional Sales Office near you or visit www.ovid.com/site/index.jsp and select Contact and Locations.

The *Journal of Investigative Medicine* is indexed in MEDLINE/PubMed.

Address for subscription information, orders, or change of address (except Japan, India, Bangladesh, Sri Lanka, Nepal and Pakistan): 16522 Hunters Green Parkway, Hagerstown, MD 21740-2116; phone 1-800-638-3030; fax 301-223-2400; in Maryland, call collect 301-223-2300. In Japan, contact LWW Igaku-Shoin Ltd., 3-23-14 Hongo, Bunkyo-ku, Tokyo 113-0033, Japan; phone: 81-3-5689-5400; fax: 81-3-5689-5402. In India, Bangladesh, Sri Lanka, Nepal and Pakistan, contact Globe Publication Pvt. Ltd. B-13, 3rd FL, A Block, Shopping Complex, Naraina Vihar, Ring Road, New Delhi 110028, India; phone: 91-11-579-3211; fax: 91-11-579-8876.

Lippincott Williams & Wilkins cannot be held responsible for errors or for any consequences arising from the use of the information contained in this journal. The appearance of advertising in this journal does not constitute an endorsement or approval by Lippincott Williams & Wilkins for the quality or value of the product advertised or of the claims made for it by its manufacturer.

PERMISSION TO PHOTOCOPY ARTICLES: This publication is protected by copyright. Copyright © 2009 American Federation for Medical Research. Permission to reproduce copies of articles for noncommercial use may be obtained from the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, (978) 750-8400, fax (978) 750-4470, www.copyright.com.

All manuscripts must be submitted online through the journal's Web site at <http://jim.edmgr.com>. Additionally, Information for Authors is available at <http://jim.edmgr.com>.

Review policy: All articles accepted for publication by this journal are peer-reviewed by two or more referees from the editorial board. Critical comments are also obtained from outside reviewers, but always in conjunction with members of the editorial board.

Commercial reprints: Reprints of individual articles are available from authors. In addition, articles are available to be downloaded from the journal Web site, <http://www.jinvestigativemed.com>, without charge by subscribers and for a fee by nonsubscribers. Quantities of reprints greater than 100 for commercial or academic use may be purchased from Lippincott Williams & Wilkins. For information and prices, contact Dave Hughmanick at 410-528-6264; E-mail: Dave.Hughmanick@wolterskluwer.com.

Disclaimer: The statements and opinions contained in the articles of the *Journal of Investigative Medicine* are solely those of the individual authors and contributors and not those of the American Federation for Medical Research or Lippincott Williams & Wilkins. The appearance of advertisements in the *Journal* is not a warranty, endorsement, or approval of the products or services advertised or of their effectiveness, quality, or safety. The American Society of Addiction Medicine and the Publisher disclaim responsibility for any injury to persons or property resulting from any ideas or products referred to in the articles or advertisements.