Journal of Investigative Medicine

Volume 59

Number 7

October 2011

Contents

Comings and Goings

1049 OSU College of Medicine Appoints New I	Dean
---	------

- 1049 Johns Hopkins Medicine Names Vice Dean for Research
- 1050 UK Names New Dean, VP for Clinical Academic Affairs
- 1050 GWU School of Public Health and Health Services Names Department of Health Policy Chair
- 1051 GWU School of Medicine and Health Sciences Names Department of Neurology Chair
- 1051 Indiana University Names Chair of New Biostatistics Department
- 1052 Penn Medicine Department of Emergency Medicine Chair Appointed
- 1052 UAB Names New Director of Cardiology
- 1053 UAMS Appoints Chair of Department of Pathology
- 1053 Dean's Professorship in Childhood Diabetes Research Named at the UC Davis School of Medicine
- 1054 University of Louisville Appoints New Chair of Urology
- 1054 University of Pittsburgh School of Medicine Appoints Director of Lung Cancer Section
- 1055 UTMB at Galveston Names Division Director for Gastroenterology and Hepatology
- 1055 UVA Names Department of Family Medicine Chair
- 1056 New Chair of the Department of Radiation Oncology Appointed at Stanford
- 1056 UTSW Medical School Names Associate Dean for Education

(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 4550, 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 Two Commerce Square, 2001 Market Street, Philadelphia, PA 19103. Periodicals postage paid at Hagerstown, MD and at additional mailing offices. Copyright © 2011 by the American Federation for Medical Research.

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

Lippincott
Williams & Wilkins
Wolters Kluwer

- 1057 University of Colorado Names Peter W. Shaughnessy Endowed Chair
- 1057 OSU College of Medicine Names Interim Vice Dean

News

- 1058 Director of NIH Intramural Center for Regenerative Medicine Appointed
- 1058 USC Academic Medical Center Receives \$150 Million Gift
- 1058 Yale University Receives \$1.5 Million Donation From Li Ka Shing Foundation
- 1059 Doris Duke Charitable Foundation Announces 2011 Clinical Scientist Development Awards
- 1059 Johns Hopkins University School of Medicine to Establish Two New NHLBI Programs of Excellence
- 1060 2011 Grand Prix Scientifique Award Announced
- 1060 Rita Allen Foundation Awards Announced
- 1060 Hogg Foundation Mental Health Grants Awarded
- 1061 Oishei Foundation Grant to Expand New York State COE in Bioinformatics and Life Sciences
- 1061 St. Baldrick's Foundation Announces \$19.6 Million in Grants
- 1062 NIAID Announces Martin Delaney Collaboratory Grants for HIV Research
- 1063 Conquer Cancer Foundation Announces 2011 Breast Cancer Symposium Merit Awards

In Memoriam

- 1065 James J. Mongan
- 1065 Bruce Tune
- 1066 Peter Wood
- 1066 Ken Wolf

EB Symposium Manuscripts

1067 The Erythropoietin Receptor: Molecular Structure and Hematopoietic Signaling Pathways

Stephanie S. Watowich, PhD

(continued next page)

- 1073 Promises and Pitfalls in Erythopoietin-Mediated Tissue Protection: Are Nonerythropoietic Derivatives a Way Forward? Carla Cerami Hand, MD, PhD and Michael Brines, MD, PhD
- 1083 Nonerythropoietic Properties of Erythropoietin: Implication for Tissue Protection Dhanesh B. Rathod, MD, MPH and Abdulla K. Salahudeen, MD

Review Article

1086 Evidence for the Role of Inadequate Vitamin D in Asthma Severity Among Children *Lauren E. Staple, MD and Stephen J. Teach, MD, MPH*

Original Articles

- 1089 Respiratory Impairment and Mortality in Older Persons: A Novel Spirometric Approach Carlos A. Vaz Fragoso, MD, Thomas M. Gill, MD, Gail McAvay, PhD, Henry Klar Yaggi, MD, Peter H. Van Ness, PhD, and John Concato, MD
- Differential Association of Cytochrome P450 3A4 Genotypes With Onsets of Breast Tumors in African American Versus Caucasian Patients
 D. Olga McDaniel, MT, PhD, Tonya Thurber, MD, Angela Lewis-Traylor, MD, Crystal Berry, MD, William Henry Barber, MD, DPhil, Xinchun Zhou, MD, PhD, Steven Bigler, MD, and Ralph Vance, MD
- 1104 17β-Estradiol Inhibits Oxidized Low-Density Lipoprotein–Induced Increase in Matrix Metalloproteinase–9 Expression in Human Macrophages *Hiroyasu Uzui, MD, PhD, Satyesh K. Sinha, PhD, and Tripathi B. Rajavashisth, PhD*
- 1109 Prostaglandin I₂ Analogs Suppress Tumor Necrosis Factor α Production and the Maturation of Human Monocyte-Derived Dendritic Cells Ching-Hui Yeh, MD, Chang-Hung Kuo, MD, San-Nan Yang, MD, PhD, Ming-Yii Huang, MD, Hsaing-Chi Wu, MD, Hsing-Pi Wang, MS, Thai-Hung Kuo, MD, and Chih-Hsing Hung, MD, PhD
- 1116 Body Fat Distribution and Its Association With Hypertension in a Sample of Mexican Children
 - Luz Elena Ramos-Arellano, MSc, Fabián Benito-Damián, BSc, Lorenzo Salgado-Goytia, PhD, José Francisco Muñoz-Valle, PhD, Iris Paola Guzmán-Guzmán, MSc, Amalia Vences-Velázquez, PhD, Natividad Castro-Alarcón, PhD, and Isela Parra-Rojas, PhD
- 1121 Effects of Coronary Angiography and Femoral Arterial Access on Endothelial Functions

 Murat Tulmaç, MD, Nurtaç Özer, MD, Vedat Şimşek, MD, Mehmet Tolga Doğru, MD, and Haksun Ebinç, MD
- 1124 *RAD51* and *XRCC3* Gene Polymorphisms and the Risk of Developing Acute Myeloid Leukemia
 - Mona S. Hamdy, MD, Alaa M. El-Haddad, MD, Neveen M. Bahaa El-Din, MD, Manal Mohamed Makhlouf, MD, and Samah M. Abdel-Hamid, MD

(continued next page)

- 1131 Melanoma Antigen Encoding Gene-A3 Expression, Its Clinical Significance, and Its Risk of Developing Acute Myeloid Leukemia Manal Mohamed Makhlouf, MD
- 1137 Association Between Serum Vitamin B12 Levels and the Degree of Steatosis in Patients With Nonalcoholic Fatty Liver Disease

 Mustafa Koplay, MD, Erim Gulcan, MD, and Fuat Ozkan, MD
- Suppressive Effects of Imidapril on Th1- and Th2-Related Chemokines in Monocytes
 Ming-Kai Tsai, MD, Ren-Long Jan, MD, Ching-Hsiung Lin, MD, Chang-Hung Kuo, MD, San-Nan Yang, MD, PhD, Huan-Nan Chen, MS, Ming-Yii Huang, MD, PhD, and Chih-Hsing Hung, MD, PhD
- 1147 Do Serum Angiopoietin-1, Angiopoietin-2, and Their Receptor Tie-2 and 4G/5G Variant of *PAI-1* Gene Have a Role in the Pathogenesis of Preeclampsia? *Manal Kamal, MD and Waleed El-Khayat, MD*
- 1151 P-Wave Duration and Dispersion in Patients With Emery-Dreifuss Muscular Dystrophy
 Vincenzo Russo, MD, Anna Rago, MD, Alberto Palladino, MD, Andrea Antonio Papa, MD, Federica Di Meo, MD, Nadia Della Cioppa, MD, Paolo Golino, MD, PhD, Maria Giovanna Russo, MD, Raffaele Calabrò, MD, Luisa Politano, MD, and Gerardo Nigro, MD, PhD

Grants and Contracts

- 1155 George M. O'Brien Kidney Research Core Centers (P30): RFA-DK-11-008
- 1155 Project Organization
- 1157 Effects of Second-Hand Smoke on Cardiovascular and Pulmonary Disease Mechanisms (R01): PA-11-244
- 1159 Nutrition Obesity Research Centers (P30): RFA-DK-11-012
- 1161 Translational Research in Pediatric and Obstetric Pharmacology (R01): PAR-11-246
- 1162 Pediatric Centers of Excellence in Nephrology (P50): RFA-DK-11-009
- 1164 Ethical, Legal, and Social Implications (ELSI) of Genomic Research Small Research Grant Program (R03): PA-11-249
- 1167 Ethical Legal and Social Implications (ELSI) of Genomic Research Regular Research Program (R01): PA-11-250
- 1170 Ethical, Legal, and Social Implications (ELSI) of Genomic Research Exploratory/Developmental Research Grant Award (R21): PA-11-251

(continued next page)

- 1173 Paul B. Beeson Clinical Scientist Development Award in Aging (K08): (RFA-AG-12-003)
- 1176 Diabetes Research Centers (P30): (RFA-DK-11-015)
- 1179 2012 NIH Director's Pioneer Award Program (DP1): (RFA-RM-11-004)
- 1180 Centers of Biomedical Research Excellence (COBRE) (P20): (PAR-11-286)
- 1184 Planning Grants for Clinical Trials of High Relevance to the NIGMS Mission (R34): (PAR-11-287)
- 1185 Secondary Analyses and Archiving of Social and Behavioral Datasets in Aging (R03): (RFA-AG-12-005)

Annual subscription rates worldwide: \$578.00 Individual Domestic, \$779.50 Individual International, \$748.00 Institutional Domestic, \$1047.50 Institutional International, \$184.00 Domestic Resident, \$216.50 International Resident. Single copies \$127.00. 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 © 2011 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 North America: reprintsolutions@wolterskluwer.com; Central and South America: Carlos Moreyra (carlos.moreyra@wolterskluwer.com); Europe & Rest of World: Jean Jones (reprints@wolterskluwer.com).

Disclaimer: The statements and opinions contained in the articles of the Journal of Addiction 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.