In This Issue ................................................................. 1145

Editorials

Biochemical Specificity in Human Cardiac Imaging by 13C Magnetic Resonance Imaging
Craig R. Malloy, A. Dean Sherry ........................................ 1146

Annexing AXL: Endothelial Cell Infection by the Zika Virus
Ingrid Fleming ............................................................... 1149

Foxp3+CD4+ Regulatory T-Cell Subtypes and Atherosclerosis
Tin Kyaw, Ban-Hock Toh, Alex Bobik .................................. 1151

Glycosylation Signatures of Inflammation Identify Cardiovascular Risk: Some Glyc It Hot
Patrick R. Lawler, Samia Mora .......................................... 1154

Commentaries on Cutting Edge Science

A PoTENtial Antidote: A Prohemostatic Factor Xa Variant for Reversal of Direct Oral Anticoagulants
James C. Fredenburgh, Jeffrey I. Weitz ............................. 1157

Promising Young Investigators

Introducing Yet Another Addition to Our Portfolio: Promising Young Investigators
Roberto Bolli ................................................................. 1161

Katey Rayner: Always Asking Questions
Ruth Williams ............................................................... 1162

Viewpoints

Getting to the “Heart” of Cardiac Disease by Decreasing Mitochondrial Iron
Hsiang-Chun Chang, Jason S. Shapiro, Hossein Ardehali ............ 1164

Replacing Magic Bullets With Beneficial Pleiotropy in Atherosclerosis
Martin Bennett ............................................................... 1167

Seeing the Forest for the Trees
Brian O’Rourke, Ting Liu, D. Brian Foster ............................ 1170
Evolving Concepts of Myocardial Energy Metabolism: More Than Just Fats and Carbohydrates
Gary D. Lopaschuk, John R. Ussher ........................................ 1173

Brief UltraRapid Communication

★ Hyperpolarized 13C Metabolic MRI of the Human Heart: Initial Experience

★ AXL-Mediated Productive Infection of Human Endothelial Cells by Zika Virus
Shufeng Liu, Leon J. DeLallo, Brant E. Isakson, Tony T. Wang ............ 1183

Molecular Medicine

★ Atherosclerosis-Driven Treg Plasticity Results in Formation of a Dysfunctional Subset of Plastic IFNγ+ Th1/Tregs
Matthew J. Butcher, Adam R. Filipowicz, Tayab C. Waseem, Christopher M. McGary, Kevin J. Crow, Nathaniel Maglinick, Mark Boldin, Patric S. Lundberg, Elena V. Galkina .......... 1190

Cellular Biology

Exposure to Fine Particulate Air Pollution Is Associated With Endothelial Injury and Systemic Inflammation
C. Arden Pope III, Aruni Bhatnagar, James P. McCracken, Wesley Abplanalp, Daniel J. Conklin, Timothy O’Toole .......... 1204

CD45 Expression in Mitral Valve Endothelial Cells After Myocardial Infarction

Clinical Track

Chronic Kidney Disease Induces Inflammatory CD40+ Monocyte Differentiation via Homocysteine Elevation and DNA Hypomethylation
Jiyeon Yang, Pu Fang, Daohai Yu, Lixiao Zhang, Daqing Zhang, Xiaohua Jiang, William Y. Yang, Teodoro Bottiglieri, Satya P. Kunapuli, Jun Yu, Eric T. Choi, Yong Ji, Xiaofeng Yang, Hong Wang .......... 1226

★ GlycA Is a Novel Biomarker of Inflammation and Subclinical Cardiovascular Disease in Psoriasis
Aditya A. Joshi, Joseph B. Lerman, Tsion M. Aberra, Mehdi Afshar, Heather L. Teague, Justin A. Rodante, Parasaram Krishnamoorthy, Qimin Ng, Tarek Z. Aridi, Taufigi Salahuddin, Balaji Natrarajan, Benjamion N. Lockshin, Mark A. Ahlman, Marcus Y. Chen, Daniel J. Ruder, Muredach P. Reilly, Alan T. Remaley, David A. Blaemke, Martin P. Playford, Joel M. Gelfand, Nehal N. Mehta .......... 1242

In September 2016, the average time from submission to first decision for all original research papers submitted to Circulation Research was 12.73 days.

On the Cover: Representative 13C-bicarbonate image reflecting flux of pyruvate through the pyruvate dehydrogenase complex, with signal predominantly in the left ventricular wall. See related article, page 1177.
The online version of this article, along with updated information and services, is located on the
World Wide Web at:
http://circres.ahajournals.org/content/119/11