Lipoprotein Apheresis Removes Plasma PCSK9
Tavori et al. page 1290

GABAergic Excitation and Hypertension
Kim et al. page 1296

CypD and Mitochondrial Protein Acetylation
Nguyen et al. page 1308

In This Issue ............................................................................. 1265

Editorials

Circulation Research Launches a Clinical Track for Studies in Humans
Roberto Bolli ............................................................................. 1266

Cyclophilin D and Acetylation: A New Link in Cardiac Signaling
Maggie P.Y. Lam, Edward Lau, David A. Liem, Peipei Ping .................. 1268

MicroRNA-223 Made Its Way Into Vascular Research
Thomas Thum ............................................................................. 1270

Thrombospondin-1: The Good, The Bad, and The Complicated
Yonggang Ma, Andriy Yabluchanskiy, Merry L. Lindsey .................... 1272

High-Density Lipoprotein: NO Failure in Heart Failure
Ali Javaheri, Daniel J. Rader .................................................. 1275

Commentaries on Cutting Edge Science

Remote Ischemic Preconditioning: No Loss in Clinical Translation
Michael Rahbek Schmidt, Steen Buus Kristiansen, Hans Erik Bøtker ...... 1278

Protection Against Ischemia/Reperfusion Injury by High-Density Lipoprotein and Its Components
Alan M. Fogelman, Srinivasa T. Reddy, Mohamad Navab .................. 1281

Circulation Research Classics

Diverse Contributions From the Initial Discovery of Mechanisms of Angiotensin II–Induced Oxidation in Smooth Muscle Cells
Alan Daugherty, Hong Lu .................................................... 1283

News & Views

2013 Lucian Award: David Ginsburg
Susan Ince .................................................................................. 1286

CIRCULATION RESEARCH (ISSN 0009–7330) is published semimonthly except one issue per month in November and December and three issues per month in March and August by Lippincott Williams & Wilkins, at 16522 Hunters Green Pkwy, Hagerstown, MD 21740. Business offices are located at Two Commerce Square, 2001 Market Street, Philadelphia, PA 19103. Production offices are located at 351 West Camden Street, Baltimore, MD 21201–2436. Individuals may subscribe for their personal use at the following annual rates: Domestic: $339 for members and $638 for nonmembers. International: $399 for members of an American Heart Association scientific council and $768 for nonmembers. Contact Lippincott Williams & Wilkins for single copy rates and subscription rates for medical professionals in training and for libraries, reading rooms, and other multiple-use institutions. Periodicals postage paid at Hagerstown, MD, and additional mailing offices. POSTMASTER: Send address changes to CIRCULATION RESEARCH, American Heart Association, Lippincott Williams & Wilkins, 16522 Hunters Green Pkwy, Hagerstown, MD 21740.
Brief UltraRapid Communication

★ Loss of Plasma Proprotein Convertase Subtilisin/Kexin 9 (PCSK9) After Lipoprotein Apheresis
Hagai Tavori, Ilaria Giunzioni, MacRae F. Linton, Sergio Fazio .......... 1290

Molecular Medicine

GABAergic Excitation of Vasopressin Neurons: Possible Mechanism Underlying Sodium-Dependent Hypertension
Young-Beom Kim, Yoon Sik Kim, Woong Bin Kim, Feng-Yan Shen, Seung Won Lee, Hyun Joo Chung, Jeong Sook Kim, Hee Chul Han, Christopher S. Colwell, Yang In Kim .......... 1296

Cyclophilin D Modulates Mitochondrial Acetylome
Tiffany T.uyen M. Nguyen, Renee Wong, Sara Menazza, Junhui Sun, Yong Chen, Guanghui Wang, Marjan Gucek, Charles Steenenbergen, Michael N. Sack, Elizabeth Murphy .......... 1308

Cellular Biology

★ MicroRNA-223 Antagonizes Angiogenesis by Targeting β1 Integrin and Preventing Growth Factor Signaling in Endothelial Cells
Lei Shi, Beate Fisslthaler, Nina Zippel, Timo Frömel, Jiong Hu, Amro Elghazawy, Heinrich Heide, Rüdiger Popp, Ingrid Fleming .......... 1320

Integrative Physiology

★ Thrombospondin-1 Induction in the Diabetic Myocardium Stabilizes the Cardiac Matrix in Addition to Promoting Vascular Rarefaction Through Angiopoietin-2 Upregulation
Carlos Gonzalez-Quesada, Michele Calavera, Anna Biernacka, Ping Kong, Dong-Wook Lee, Amit Saxena, Olga Frunza, Marcin Dobaczewski, Arti Shinde, Nikolaos G. Frangogiannis .......... 1331

Clinical/Translational Research

★ Exercise Training in Patients with Chronic Heart Failure Promotes Restoration of High-Density Lipoprotein Functional Properties

Recent Developments

Recent Advances in Mitochondrial Research
Bradford G. Hill [Online Only] .......... e107

Recent Advances in the Role of Immunity in Atherosclerosis
Gabrielle Fredman, Matthew Spite [Online Only] .......... e111
Noncoding RNAs in Cardiovascular Biology and Disease
Priyatansh Gurha, Ali J. Marian [Online Only] ........................................ e115

Recent Advances in Cardiac Myocyte Biology and Function
Kyung U. Hong, Joseph B. Moore, IV [Online Only] ................................... e121

In This Issue Anthology
Circulation Research “In This Issue” Anthology
Ruth Williams, The Editors [Online Only] ....................................................... e125

2013 Late-Breaking Basic Science Abstracts
2013 Late-Breaking Basic Science Abstracts [Online Only] .............................. e156

Exercise Training in CHF and HDL Function
Adams et al. page 1345

In October 2013, the average time from submission to first decision for all original research papers submitted to Circulation Research was 12.8 days.

On the Cover: Image represents the inclusion of a fluorescent (Cy3-labeled) antagonir to miR-223 (red) in endothelial cells (green) in the front and central areas of the developing retinal vasculature in five day old mice. See related article, page 1320.