In This Issue ................................................. 1687

Meet the First Authors .................................... 1688

Editorials

AIBP, NAXE, and Angiogenesis: What’s in a Name?
Mary G. Sorci-Thomas, Michael J. Thomas .......................... 1690

Epigenomic Disruption of Cardiovascular Care: What It Will Take
Emma Monte, Matthew A. Fischer, Thomas M. Vondriska ............ 1692

Synthetic MSC? Nothing Beats the Real Thing
Megan M. Monsanto, Bingyan J. Wang, Mark A. Sussman ............. 1694

GPR75 Identified as the First 20-HETE Receptor: A Chemokine Receptor
Adopted by a New Family
Fan Fan, Richard J. Roman ....................................... 1696

A Polecat’s View of Patrolling Monocytes
Jesse W. Williams, Gwendalyn J. Randolph, Bernd H. Zinselmeyer .................................................................................. 1699

In Memoriam

Alan Hirsch, MD: 1954–2017
William R. Hiatt; for the Cardiovascular Cell Therapy Research Network ........ 1702

Trainees in the Spotlight

Christina Theodoris: Scientific Artist
Pam Goldberg Smith .................................................. 1704

News & Views

From the BCVS Chair
Ronglih Liao ......................................................... 1707

Meeting Report for the 2017 National Institutes of Health National Heart, Lung, and Blood Institute Progenitor Cell Biology Consortium: Cardiovascular Bioengineering Workshop and Symposium
Wuqiang Zhu, Jianyi Zhang ........................................ 1709
The NHLBI Page

Angiogenesis Research: Extramural Portfolio Supported by the National Heart, Lung, and Blood Institute, 2008–2015
Yunling Gao, Dennis V. Stanley, Valerie C. Robinson, Diane M. Reid, Zorina S. Galis

Viewpoints

The Pathogenic Transforming Growth Factor-β Overdrive Hypothesis in Aortic Aneurysms and Dissections: A Mirage?
Ziad Mallat, Hafid Ait-Oufella, Alain Tedgui

Redox Stress Defines the Small Artery Vasculopathy of Hypertension: How Do We Bridge the Bench-to-Bedside Gap?
Rhian M. Touyz, Augusto C. Montezano, Francisco Rios, Michael E. Widlansky, Mingyu Liang

Gut Microbiota: Potential for a Unifying Hypothesis for Prevention and Treatment of Hypertension
YanFei Qi, Seungbum Kim, Elaine M. Richards, Mohan K. Raizada, Carl J. Pepine

Molecular Medicine

AIBP Limits Angiogenesis Through γ-Secretase-Mediated Upregulation of Notch Signaling
Renfang Mao, Shu Meng, Qilin Gu, Raquel Araujo-Gutierrez, Sandeep Kumar, Qing Yan, Felicidad Almazan, Keith A. Youker, Yingbin Fu, Henry J. Pownall, John P. Cooke, Yuri I. Miller, Longhou Fang

Hypercholesterolemia Induces Differentiation of Regulatory T Cells in the Liver
Reiner K.W. Mailer, Anton Gistera, Konstantinos A. Polyzos, Daniel F.J. Ketelhuth, Göran K. Hansson

Genome-Wide Analysis of DNA Methylation and Acute Coronary Syndrome
Jun Li, Xiaoyan Zhu, Kai Yu, Haijing Jiang, Yizhi Zhang, Siyun Deng, Longxian Cheng, Xuezen Liu, Jia Zhong, Xiaomin Zhang, Meian He, Weihong Chen, Jing Yuan, Ming Gao, Yansen Bai, Xu Han, Bing Liu, Xiaoting Luo, Wenhua Mei, Xiaosheng He, Shunchang Sun, Liyun Zhang, Hesong Zeng, Huizhen Sun, Chuanyao Liu, Yanjun Guo, Bing Zhang, Zhihong Zhang, Jinyan Huang, An Pan, Yu Yuan, Francesca Angileri, Bingxia Ming, Fang Zheng, Qiutang Zeng, Xiaobo Mao, Yudong Peng, Yi Mao, Ping He, Qing K. Wang, Lu Qi, Frank B. Hu, Liming Liang, Tanchun Wu

Cellular Biology

Fabrication of Synthetic Mesenchymal Stem Cells for the Treatment of Acute Myocardial Infarction in Mice
Lan Luo, Junnan Tang, Kodai Nishi, Chen Yan, Phuong-Uyen Dinh, Jhon Cores, Takashi Kudo, Jinying Zhang, Tao-Sheng Li, Ke Cheng

Monocyte Patrolling in Arteries
Quintar et al. page 1789

Integrative Physiology

20-HETE Signals Through G-Protein–Coupled Receptor GPR75 (Gq) to Affect Vascular Function and Trigger Hypertension
Clinical Track

A Possible Early Biomarker for Bicuspid Aortopathy: Circulating Transforming Growth Factor β-1 to Soluble Endoglin Ratio
Amalia Forte, Ciro Bancone, Gilda Cobellis, Marianna Buonocore, Giuseppe Santarpino, Theodor J.M. Fischlein, Marilena Cipollaro, Marisa De Feo, Alessandro Della Corte

Reviews

Autophagy and Mitophagy in Cardiovascular Disease
José Manuel Bravo-San Pedro, Guido Kroemer, Lorenzo Galluzzi

AMP-Activated Protein Kinase: An Ubiquitous Signaling Pathway With Key Roles in the Cardiovascular System
Ian P. Salt, D. Grahame Hardie

Letters to the Editor

Letter by Takov et al Regarding Article, “Fabrication of Synthetic Mesenchymal Stem Cells for the Treatment of Acute Myocardial Infarction in Mice”
Kaloyan Takov, Derek M. Yellon, Sean M. Davidson

Response by Luo et al to Letter Regarding Article, “Fabrication of Synthetic Mesenchymal Stem Cells for the Treatment of Acute Myocardial Infarction in Mice”
Lan Luo, Tao-Sheng Li, Junnan Tang, Ke Cheng

Letter by Cicero et al Regarding Article, “Long-Term Excessive Body Weight and Adult Left Ventricular Hypertrophy Are Linked Through Later-Life Body Size and Blood Pressure: The Bogalusa Heart Study”
Arrigo F.G. Cicero, Federica Fogacci, Claudio Borghi

Mario Naranjo, Janani Rangaswami, Christian Witzke

Response by Flaherty to Letter Regarding Article, “Hemodynamic Support With a Micro-Axial Percutaneous Left Ventricular Assist Device (Impella) Protects Against Acute Kidney Injury in Patients Undergoing High-Risk Percutaneous Coronary Intervention”
Michael P. Flaherty

In March 2017, the average time from submission to first decision for all original research papers submitted to Circulation Research was 15 days.

On the Cover: Two cardiomyocytes (green) interact with a synthetic mesenchymal stem cell (red). See related article, page 1768.