Recent Highlights of ATVB

VB Redox Control of Vascular Function
Joseph C. Galley, Adam C. Straub

Editorial

VB Mitochondrial Respiration and Atherosclerosis: R-E-S-P-I-R-E. Find Out What it Means to $\varphi$ (and VSMC)
Steven J. Forrester, Kathy K. Griendling
See accompanying article on page 2322

Brief Review

Local Hemodynamic Forces After Stenting: Implications on Restenosis and Thrombosis
Jaryl Ng, Christos V. Bourantas, Ryo Torii, Hui Ying Ang, Erhan Tenekecioglu, Patrick W. Serruys, Nicolas Foin
See cover image

Basic Sciences

AL Understanding Chylomicron Retention Disease Through Sar1b Gtpase Gene Disruption: Insight From Cell Culture
Alain Théophile Sané, Ernest Seidman, Noel Peretti, Marie Laure Kleme, Edgard Delvin, Colette Deslandres, Carole Garofalo, Schohraya Spahis, Emile Levy
AL GLP-1 Elicits an Intrinsic Gut–Liver Metabolic Signal to Ameliorate Diet-Induced VLDL Overproduction and Insulin Resistance
Rituraj Khound, Jennifer Taher, Christopher Baker, Khosrow Adeli, Qiaozhu Su ................................................................. 2252

AL ABCA1-Derived Nascent High-Density Lipoprotein–Apolipoprotein AI and Lipids Metabolically Segregate
Bingqing Xu, Baiba K. Gillard, Antonio M. Gotto Jr, Corina Rosales, Henry J. Pownall ............................................................... 2260

TH Refrigeration-Induced Binding of von Willebrand Factor Facilitates Fast Clearance of Refrigerated Platelets
Wenchun Chen, Samuel A. Druzak, Yingchun Wang, Cassandra D. Josephson, Karin M. Hoffmeister, Jerry Ware, Renhao Li ................................................................................................................................................ 2271

VB NO Augments Endothelial Reactivity by Reducing Myoendothelial Calcium Signal Spreading: A Novel Role for Cx37 (Connexin 37) and the Protein Tyrosine Phosphatase SHP-2
Kristin Pogoda, Hanna Mannell, Stephanie Blodow, Holger Schneider, Kai Michael Schubert, Jiehua Qiu, Andreas Schmidt, Axel Imhof, Heike Beck, Laurentia Irina Tanase, Alexander Pfeifer, Ulrich Pohl, Petra Kameritsch ................................................................................................................................... 2280

VB Deletion of AT2 Receptor Prevents SHP-1–Induced VEGF Inhibition and Improves Blood Flow Reperfusion in Diabetic Ischemic Hindlimb
Judith Paquin-Veillette, Farah Lizotte, Stéphanie Robillard, Raphaël Béland, Marc-André Breton, Andréanne Guay, Marc-Antoine Despatis, Pedro Geraldes ........................................................................................................ 2291

VB FGD5 Regulates VEGF Receptor-2 Coupling to PI3 Kinase and Receptor Recycling
Maikel A. Farhan, Abul K. Azad, Nicolas Touret, Allan G. Murray .................................................................................................................. 2301

VB Opposing Actions of AKT (Protein Kinase B) Isoforms in Vascular Smooth Muscle Injury and Therapeutic Response

Translational Sciences

TH Platelet-Specific p38α Deficiency Improved Cardiac Function After Myocardial Infarction in Mice
Panlai Shi, Lin Zhang, Mingliang Zhang, Wenlong Yang, Kemin Wang, Junfeng Zhang, Kinya Otsu, Gonghua Huang, Xuemei Fan, Junling Liu Online Only ........................................................................................................ e185

VB Mitochondrial Respiration Is Reduced in Atherosclerosis, Promoting Necrotic Core Formation and Reducing Relative Fibrous Cap Thickness
Emma P.K. Yu, Johannes Reinhold, Haixiang Yu, Lakshi Starks, Anna K. Uryga, Kirsty Foote, Alison Finigan, Nichola Figg, Yuh-Fen Pung, Angela Logan, Michael P. Murphy, Martin Bennett ............................................................................................................................................... 2322

See accompanying editorial on page 2229

VB Reduction of In-Stent Restenosis by Cholesteryl Ester Transfer Protein Inhibition
Ben J. Wu, Yue Li, Kwok L. Ong, Yidan Sun, Sudichhya Shrestha, Liming Hou, Douglas Johns, Philip J. Barter, Kerry-Anne Rye .......................................................................................................................... 2333
Clinical and Population Studies

**AL** Impact of CD14 Polymorphisms on Anti-Apolipoprotein A-1 IgG-Related Coronary Artery Disease Prediction in the General Population
Panagiotis Antiochos, Pedro Marques-Vidal, Julien Virzi, Sabrina Pagano, Nathalie Satta, Oliver Hartley, Fabrizio Montecucco, François Mach, Zoltan Katalik, Gerard Waeber, Peter Vollenweider, Nicolas Vuilleumier

**AL** Coronary Artery Ectasia Predicts Future Cardiac Events in Patients With Acute Myocardial Infarction
Takahito Doi, Yu Kataoka, Tatsushiro Shibata, Takahiro Nakashima, Shoji Kawakami, Kazuhiro Nakao, Masashi Fujino, Toshiyuki Nagai, Tomoaki Kanaya, Yoshio Tahara, Yasuhide Asaumi, Etsuko Tsuda, Michikazu Nakai, Kunihira Nishimura, Toshihisa Anzai, Kengo Kusano, Hiroaki Shimokawa, Yoichi Goto, Satoshi Yasuda

**AL** Relationship Between Total Serum Bilirubin Levels and Carotid and Femoral Atherosclerosis in Familial Dyslipidemia
Antonio J. Amor, Emilio Ortega, Verónica Perea, Montserrat Cofán, Aleix Sala-Vila, Isabel Nuñez, Rosa Gilabert, Emilio Ros

**AL** Endogenous Cholesterol Excretion Is Negatively Associated With Carotid Intima–Media Thickness in Humans
Xiaobo Lin, Susan B. Racette, Lina Ma, Michael Wallendorf, Victor G. Dávila-Román, Richard E. Ostlund Jr

**VB** Intermuscular Adipose Tissue and Subclinical Coronary Artery Calcification in Midlife: The CARDIA Study (Coronary Artery Risk Development in Young Adults)
James G. Terry, Christina M. Shay, Pamela J. Schreiner, David R. Jacobs Jr, Otto A. Sanchez, Jared P. Reis, David C. Gaff Jr, Samuel S. Gidding, Lyn M. Steffen, John Jeffrey Carr

**Letters to the Editor**

**VB** Letter by Wu et al Regarding Article, “Mechanical Activation of Hypoxia-Inducible Factor 1α Drives Endothelial Dysfunction at Atheroprone Sites”
David Wu, Robert B. Hamanaka, Yun Fang, Gökhân M. Mutlu

**VB** Response by Feng et al to Letter Regarding Article, “Mechanical Activation of Hypoxia-Inducible Factor 1α Drives Endothelial Dysfunction at Atheroprone Sites”
Shuang Feng, Maria Fragiadaki, Celine Soulholl, Victoria Ridger, Paul C. Evans

---

On the cover: Flow velocity–colored streamline plot across a stent strut (in gray) from a flow simulation of a stented vessel model modeled from intravascular optical coherence tomography. A region of low and recirculating flow (in blue) is present in the distal portion of the strut. (See pages 2231–2242.)

Instructions to the Authors are available online at http://atvb.ahajournals.org/site/misc/ifora.xhtml.

Some figures may appear in color in the online issue, while appearing in black and white for the print issue.

This article contains online supplementary information that is available at http://atvb.ahajournals.org.