

Table of Contents

This issue is available in electronic form at
<http://www.jlr.org>

Editorial

- 619 *Thematic review series: The Immune System and Atherogenesis. Bridging the innate and adaptive immune systems*
Godfrey S. Getz

Rapid Communication

- 623 **Suppression of HMGB1 release by stearyl lysophosphatidylcholine: an additional mechanism for its therapeutic effects in experimental sepsis**
Guoqian Chen, Jianhua Li, Xiaoling Qiang, Christopher J. Czura, Mahendar Ochani, Kanta Ochani, Luis Ulloa, Huan Yang, Kevin J. Tracey, Ping Wang, Andrew E. Sama, and Haichao Wang

Research Articles

- 628 **Retina expresses microsomal triglyceride transfer protein: implications for age-related maculopathy**
Chuan-Ming Li, J. Brett Presley, Xueming Zhang, Nassrin Dashti, Byong Hong Chung, Nancy E. Medeiros, Clyde Guidry, and Christine A. Curcio
- 641 **Accumulation of retinol in the liver after prolonged hyporetinolemia in the vitamin A-sufficient rat**
Sin H. Gieng, Jens Raila, and Francisco J. Rosales
- 650 **Identification of mosquito sterol carrier protein-2 inhibitors**
Min-sik Kim, Vilena Wessely, and Que Lan
- 658 **Expression, activity, and localization of hormone-sensitive lipase in rat mammary gland during pregnancy and lactation**
Antonia Martín-Hidalgo, Lydia Huerta, Nieves Álvarez, Gemma Alegría, María del Val Toledo, and Emilio Herrera
- 669 **Visualization and analysis of apolipoprotein A-I interaction with binary phospholipid bilayers**
M. Alejandra Tricerri, Juan D. Toledo, Susana A. Sanchez, Theodore L. Hazlett, Enrico Gratton, Ana Jonas, and Horacio A. Garda
- 679 **Astrocytes produce and secrete FGF-1, which promotes the production of apoE-HDL in a manner of autocrine action**
Jin-ichi Ito, Yuko Nagayasu, Rui Lu, Alireza Kheirollah, Michi Hayashi, and Shinji Yokoyama
- 687 **Physiological importance of SR-BI in the in vivo metabolism of human HDL and LDL in male and female mice**
Mathieu R. Brodeur, Vilayphone Luangrath, Geneviève Bourret, Louise Falstrault, and Louise Brissette
- 697 **Regulation of SREBP-1 expression and transcriptional action on HKII and FAS genes during fasting and refeeding in rat tissues**
Yvan Gosmain, Nicolas Dif, Vanessa Berbe, Emmanuelle Loizon, Jennifer Rieusset, Hubert Vidal, and Etienne Lefai

COVER: Laurdan generalized polarization imaging at the center of a giant unilamellar vesicle containing DMPC/DSPC at a molar ratio 1:1 at 50.6°C. Using an arbitrary color scale, gel-state domains are visualized in red and fluid domains in green. (See Tricerri et al., p. 669.)

- 706 **Tissue-specific, nutritional, and developmental regulation of rat fatty acid elongases**
Yun Wang, Daniela Botolin, Barbara Christian, Julia Busik, Jinghua Xu, and Donald B. Jump
- 716 **A phytol-enriched diet induces changes in fatty acid metabolism in mice both via PPAR α -dependent and -independent pathways**
J. Gloerich, N. van Vlies, G. A. Jansen, S. Denis, J. P. N. Ruiter, M. A. van Werkhoven, M. Duran, F. M. Vaz, R. J. A. Wanders, and S. Ferdinandusse
- 727 **Role of dihydroxyacetonephosphate acyltransferase in the biosynthesis of plasmalogens and nonether glycerolipids**
Dailan Liu, Narasimhan Nagan, Wilhelm W. Just, Claus Rodemer, Thanh-Phuong Thai, and Raphael A. Zoeller
- 736 **The mitochondrial respiratory complex I is a target for 15-deoxy- $\Delta^{12,14}$ -prostaglandin J₂ action**
B. Martínez, A. Pérez-Castillo, and A. Santos
- 744 **Substrate reduction reduces gangliosides in postnatal cerebrum-brainstem and cerebellum in GM1 gangliosidosis mice**
J. L. Kasperzyk, A. d'Azzo, F. M. Platt, J. Alroy, and T. N. Seyfried
- 752 **n-3 PUFAs modulate T-cell activation via protein kinase C- α and - ϵ and the NF- κ B signaling pathway**
Anne Denys, Aziz Hichami, and Naim Akhtar Khan
- 759 **Neutral glycolipids of the filamentous fungus *Neurospora crassa*: altered expression in plant defensin-resistant mutants**
Chaeho Park, Beau Bennion, Isabelle E. J. A. François, Kathelijne K. A. Ferket, Bruno P. A. Cammue, Karin Thevissen, and Steven B. Levery
- 769 **High-level lipoprotein [a] expression in transgenic mice: evidence for oxidized phospholipids in lipoprotein [a] but not in low density lipoproteins**
Matthias Schneider, Joseph L. Witztum, Stephen G. Young, Erwin H. Ludwig, Elizabeth R. Miller, Sotirios Tsimikas, Linda K. Curtiss, Santica M. Marcovina, John M. Taylor, Richard M. Lawn, Thomas L. Innerarity, and Robert E. Pitas
- 779 **Delineation of molecular changes in intrahepatic cholesterol metabolism resulting from diminished cholesterol absorption**
Joyce J. Repa, Stephen D. Turley, Gang Quan, and John M. Dietschy

Methods

- 790 **Mediator-lipidomics: databases and search algorithms for PUFA-derived mediators**
Yan Lu, Song Hong, Eric Tjonahen, and Charles N. Serhan
- 803 **Cholesterol esterase action on human high density lipoproteins and inhibition studies: detection by MALDI-TOF MS**
Olaf Zschörnig, Markus Pietsch, Rosemarie Süß, Jürgen Schiller, and Michael Gütschow
- 812 **N-Acyl migration in ceramides**
Helena Van Overloop, Gerd Van der Hoeven, and Paul P. Van Veldhoven
- 817 **Denaturing high-performance liquid chromatography in the detection of ABCA1 gene mutations in familial HDL deficiency**
Tommaso Fasano, Letizia Bocchi, Livia Pisciotto, Stefano Bertolini, and Sebastiano Calandra
- 823 **Calendar**
- 825 **Instructions to Authors**