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**On the Cover:** Beta-site APP cleaving enzyme (BACE1) is upregulated in aged  $\beta$ -amyloid precursor protein (APP) mouse brain but not in mice lacking interferon (IFN)- $\gamma$  receptor type I. BACE1 immunoreactivity localized to neurons surrounding A $\beta$  plaques as observed by merged confocal imaging (foreground) of APP mouse brain sections triple stained with antibodies to BACE (green), NeuN (for neuronal staining, red), and A $\beta$  plaques (Congo red analog FSB, blue). (see page 680)

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## Rous-Whipple Award Lecture

- 427 Osteoclasts: What Do They Do and How Do They Do It?  
Steven L. Teitelbaum

## Commentary

- 436 Anti-Viral T-Cell Immunity + Anti-CNS Autoantibody = A Model for Human Acute Disseminated Encephalomyelitis or Multiple Sclerosis Relapse?  
Raymond A. Sobel

## Regular Articles

### *Cardiovascular, Pulmonary and Renal Pathology*

- 439 Protection Against Endotoxic Shock as a Consequence of Reduced Nitrosative Stress in MLCK210-Null Mice  
*Hantamalala Ralay Ranaivo, Nunzia Carusio, Rosemary Wangensteen, Patrick Oblmann, Cecile Loichot, Angela Tesse, Karel Chalupsky, Irina Lobysbeva, Jacques Haiech, D. Martin Watterson, and Ramaroson Andriantsitobaina*
- 447 Development of Immunoglobulin A Nephropathy-Like Disease in  $\beta$ -1,4-Galactosyltransferase-I-Deficient Mice  
*Toshikazu Nishie, Osamu Miyaishi, Harubito Azuma, Akibiko Kameyama, Cbie Naruse, Noriyoshi Hasbimoto, Hitoshi Yokoyama, Hisashi Narimatsu, Takashi Wada, and Masahide Asano*
- 457 The Contribution of B Cells to Renal Interstitial Inflammation  
*Florian Heller, Maja T. Lindenmeyer, Clemens D. Cohen, Ulrike Brandt, Dan Draganovici, Michael Fischereeder, Matthias Kretzler, Hans-Joachim Anders, Thomas Sitter, Isabella Mosberger, Donscho Kerjascbki, Heinz Regele, Detlef Schlöndorff, and Stephan Segerer*

### *Gastrointestinal, Hepatobiliary and Pancreatic Pathology*

- 469 Hypoxia Inducible Factor-1 Mediates Effects of Insulin on Pancreatic Cancer Cells and Disturbs Host Energy Homeostasis  
*Feng Wang, Shu Shun Li, Ralf Segersvärd, Lisa Strömmer, Karl-Gösta Sundqvist, Jan Holgersson, and Johan Permert*
- 478 Hepatitis C Virus Replication in Transfected and Serum-Infected Cultured Human Fetal Hepatocytes  
*Catherine A. Lázaro, Ming Chang, Weiliang Tang, Jean Campbell, Daniel G. Sullivan, David R. Gretch, Laurence Corey, Robert W. Coombs, and Nelson Fausto*
- 490 Role of Blood- and Tissue-Associated Inducible Nitric-Oxide Synthase in Colonic Inflammation  
*Christian F. Krieglstein, Christoph Anthoni, Wolfgang H. Cerwinka, Karen Y. Stokes, Janice Russell, Matthew B. Grisham, and D. Neil Granger*
- 497 Repression of Repulsive Guidance Molecule C during Inflammation Is Independent of Hfe and Involves Tumor Necrosis Factor- $\alpha$   
*Marco Constante, Dongmei Wang, Valérie-Ann Raymond, Marc Bilodeau, and Manuela M. Santos*

Continued

Immunopathology and Infectious Disease

- 505 Impairment of Functional Capillary Density but Not Oxygen Delivery in the Hamster Window Chamber during Severe Experimental Malaria  
*Judith Martini, Irene Gramaglia, Marcos Intaglietta, and Henri C. van der Heyde*
- 518 The Toll-Like Receptor Adaptor Proteins MyD88 and Mal/TIRAP Contribute to the Inflammatory and Destructive Processes in a Human Model of Rheumatoid Arthritis  
*Sandra M. Sacre, Evangelos Andreacos, Serafim Kiriakidis, Parisa Amjadi, Anna Lundberg, Grey Giddins, Marc Feldmann, Fionula Brennan, and Brian M. Foxwell*
- 526 CXCL1/KC and CXCL2/MIP-2 Are Critical Effectors and Potential Targets for Therapy of *Escherichia coli* O157:H7-Associated Renal Inflammation  
*James K. Roche, Tiffany R. Keepers, Lisa K. Gross, Regina M. Seaner, and Tom G. Obrig*
- 538 Molecular Pathology in the Lungs of Severe Acute Respiratory Syndrome Patients  
*Juxiang Ye, Bo Zhang, Jian Xu, Qing Chang, Michael A. McNutt, Christine Korteweg, Encong Gong, and Jiang Gu*
- 546 Altered Expression of Galectin-3 Induces Cortical Thymocyte Depletion and Premature Exit of Immature Thymocytes during *Trypanosoma cruzi* Infection  
*Elizangela Silva-Monteiro, Luciana Reis Lorenzato, Oscar Kenji Nibe, Mara Junqueira, Gabriel Adrián Rabinovich, Daniel Kaiyuan Hsu, Fu-Tong Liu, Wilson Savino, Roger Chammas, and Déa Maria Serra Villa-Verde*
- 557 Exacerbated Pathology of Viral Encephalitis in Mice with Central Nervous System-Specific Autoantibodies  
*Renaud Burrer, Michael J. Buchmeier, Tom Wolfe, Joey P.C. Ting, Ralph Feuer, Antonio Iglesias, and Matthias G. von Herrath*

Metabolic, Endocrine and Genitourinary Pathobiology

- 567 Fibronectin- $\alpha$ 4 $\beta$ 1 Integrin Interactions Regulate Metalloproteinase-9 Expression in Steatotic Liver Ischemia and Reperfusion Injury  
*Carolina Moore, Xiu-Da Shen, Feng Gao, Ronald W. Busuttill, and Ana J. Coito*
- 578 Pelvic Organ Prolapse in Fibulin-5 Knockout Mice: Pregnancy-Induced Changes in Elastic Fiber Homeostasis in Mouse Vagina  
*Peter G. Drewes, Hiromi Yanagisawa, Barry Starcher, Ian Hornstra, Katalin Csiszar, Spyridon I. Marinis, Patrick Keller, and R. Ann Word*
- 590 Aberrant Expression of Leptin in Human Endometriotic Stromal Cells Is Induced by Elevated Levels of Hypoxia Inducible Factor-1 $\alpha$   
*Meng-Hsing Wu, Ko-Fan Chen, Shib-Chieh Lin, Chun-Wun Lgu, and Shaw-Jenq Tsai*

Musculoskeletal Pathology

- 599 Oxidative Phenotype Protects Myofibers from Pathological Insults Induced by Chronic Heart Failure in Mice  
*Ping Li, Richard E. Waters, Shelley I. Redfern, Mei Zhang, Lan Mao, Brian H. Annex, and Zhen Yan*
- 609  $\alpha$ 7 $\beta$ 1 Integrin Does Not Alleviate Disease in a Mouse Model of Limb Girdle Muscular Dystrophy Type 2F  
*Derek J. Milner and Stephen J. Kaufman*
- 620 Hypoxic Adipocytes Pattern Early Heterotopic Bone Formation  
*Elizabeth Olmsted-Davis, Francis H. Gannon, Mustafa Ozen, Michael M. Ittmann, Zbigniew Gugala, John A. Hipp, Kevin M. Moran, Christine M. Fouletier-Dilling, Shannon Schumara-Martin, Ronald W. Lindsey, Michael H. Heggeness, Malcolm K. Brenner, and Alan R. Davis*
- 633 Modulation of p38 Mitogen-Activated Protein Kinase Cascade and Metalloproteinase Activity in Diaphragm Muscle in Response to Free Radical Scavenger Administration in Dystrophin-Deficient Mdx Mice  
*Karim Hnia, Gerald Hugon, François Rivier, Ahmed Masmoudi, Jacques Mercier, and Dominique Mornet*
- 644 Overexpression of Rapsyn in Rat Muscle Increases Acetylcholine Receptor Levels in Chronic Experimental Autoimmune Myasthenia Gravis  
*Pilar Martínez-Martínez, Mario Losen, Hans Duimel, Peter Frederik, Frank Spaans, Peter Molenaar, Angela Vincent, and Marc H. De Baets,*

### Neurobiology

- 658 Pesticide Exposure Exacerbates  $\alpha$ -Synucleinopathy in an A53T Transgenic Mouse Model  
*Erin H. Norris, Kunibiro Uryu, Susan Leight, Benoit I. Giasson, John Q. Trojanowski, and Virginia M.-Y. Lee*
- 667 Gestational Vitamin B Deficiency Leads to Homocysteine-Associated Brain Apoptosis and Alters Neurobehavioral Development in Rats  
*Sébastien A. Blaise, Emmanuelle Nédélec, Henri Schroeder, Jean-Marc Alberto, Carine Bossenmeyer-Pourié, Jean-Louis Guéant, and Jean-Luc Daval*
- 680 Interferon- $\gamma$  and Tumor Necrosis Factor- $\alpha$  Regulate Amyloid- $\beta$  Plaque Deposition and  $\beta$ -Secretase Expression in Swedish Mutant APP Transgenic Mice  
*Masaru Yamamoto, Tomomi Kiyota, Masabide Horiba, James L. Buescher, Shannon M. Walsh, Howard E. Gendelman, and Tsuneya Ikezu*

### Tumorigenesis and Neoplastic Progression

- 693 Tumor Signaling to the Bone Marrow Changes the Phenotype of Monocytes and Pulmonary Macrophages during Urethane-Induced Primary Lung Tumorigenesis in A/J Mice  
*Elizabeth F. Redente, David J. Orlicky, Ronald J. Bouchard, and Alvin M. Malkinson*
- 709 Dysregulation of Claudin-7 Leads to Loss of E-Cadherin Expression and the Increased Invasion of Esophageal Squamous Cell Carcinoma Cells  
*Mercedes Lioni, Patricia Brafford, Claudia Andl, Anil Rustgi, Wafik El-Deiry, Meenbard Herlyn, and Keiran S.M. Smalley*
- 722 Activation of Peroxisome Proliferator-Activated Receptor  $\gamma$  Contributes to the Survival of T Lymphoma Cells by Affecting Cellular Metabolism  
*Chunyan Yang, Seung-Hee Jo, Balazs Csernus, Elizabeth Hyjek, Yifang Liu, Amy Chadburn, and Y. Lynn Wang*
- 733 The Microenvironment Controls *CDX2* Homeobox Gene Expression in Colorectal Cancer Cells  
*Fairouz Benabmed, Isabelle Gross, Dominique Guenot, Frédéric Jehan, Elisabeth Martin, Claire Domon-Dell, Thomas Brabletz, Michèle Kedinger, Jean-Noël Freund, and Isabelle Duluc*
- 745 Central Role of Protein Kinase  $C\epsilon$  in Constitutive Activation of ERK1/2 and Rac1 in the Malignant Cells of Hairy Cell Leukemia  
*Joseph R. Slupsky, Aura S. Kamiguti, Robert J. Harris, John C. Cawley, and Mirko Zuzel*

### Vascular Biology, Atherosclerosis and Endothelium Biology

- 755 Affinity of C-Reactive Protein toward  $Fc\gamma RI$  Is Strongly Enhanced by the  $\gamma$ -Chain  
*Carlbeinz Röcker, Dimitar E. Manolov, Elza V. Kuzmenkina, Kyrilo Tron, Holger Slatosch, Jan Torzeuski, and G. Ulrich Nienhaus*
- 764 Proangiogenic Role of ephrinB1/EphB1 in Basic Fibroblast Growth Factor-Induced Corneal Angiogenesis  
*Takashi Kojima, Jin-Hong Chang, and Dimitri T. Azar*
- 774 Tumor-Induced Sentinel Lymph Node Lymphangiogenesis and Increased Lymph Flow Precede Melanoma Metastasis  
*Maria I. Harrell, Brian M. Iritani, and Alanna Ruddell*

### **Correspondence**

- 787 Different Chromatin Organization in Benign and Malignant Cells Revealed by Unequal Nuclease Sensitivity between Tumor and Normal Cell Genomes  
*Manuel Rieber, Mary Strasberg-Rieber, Andrew J. Maniotis, and Robert Folberg*

### 790 **ASIP Journal CME Program in Pathogenesis**

▀ denotes participating articles in this issue