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**On the Cover:** A ternary complex between the cell adhesion molecule RA175, the cell polarity protein Par-3, and the junctional adhesion molecule Jam-C is required for proper spermatid differentiation. Localization of Par-3 in the elongating spermatids (differentiation steps 9-12) of *Ra175<sup>+/+</sup>* (wild-type) mouse testis is demonstrated by merged staining for Par-3 (red), PNA (a marker for round and elongating spermatids; green), and nuclei (blue). (See page 1800)

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## Commentary

- 1729 Cerebral Malaria Pathogenesis: What Can We Learn from Microarray Analysis?  
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## Regular Articles

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- 1743 Myeloperoxidase Is Critically Involved in the Induction of Organ Damage after Renal Ischemia Reperfusion  
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- 1789 The Monocyte Chemoattractant Protein-1/Cognate CC Chemokine Receptor 2 System Affects Cell Motility in Cultured Human Podocytes  
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- 1887 The Role of Macrophage Migration Inhibitory Factor in the Cascade of Events Leading to Reperfusion-Induced Inflammatory Injury and Lethality  
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- Immunopathology and Infectious Disease
- 1894 Expression Microarray Analysis Implicates Apoptosis and Interferon-Responsive Mechanisms in Susceptibility to Experimental Cerebral Malaria  
*Fiona E. Lovegrove, Sina A. Gharib, Samir N. Patel, Cheryl A. Hawkes, Kevin C. Kain, and W. Conrad Liles*
- 1904 Heme Oxygenase-1 Attenuates Ovalbumin-Induced Airway Inflammation by Up-Regulation of Foxp3 T-Regulatory Cells, Interleukin-10, and Membrane-Bound Transforming Growth Factor- $\beta$ 1  
*Zhen-Wei Xia, Li-Qing Xu, Wen-Wei Zhong, Jing-Jing Wei, Ning-Li Li, Jie Shao, Yun-Zhu Li, Shan-Chang Yu, and Zi-Li Zhang*
- 1915 Ultra-Localization of Foxp3<sup>+</sup> T Cells within Renal Allografts Shows Infiltration of Tubules Mimicking Rejection  
*Kathryn Brown, Victoria Moxham, Julieta Karegli, Richard Phillips, Steven H. Sacks, and Wilson Wong*
- 1923 Protection against Human Immunodeficiency Virus Type 1 Tat Neurotoxicity by *Ginkgo biloba* Extract EGb 761 Involving Glial Fibrillary Acidic Protein  
*Wei Zou, Byung Oh Kim, Betty Y. Zhou, Ying Liu, Albee Messing, and Johnny J. He*
- 1936 Indoleamine 2,3-Dioxygenase (IDO): The Antagonist of Type I Interferon-Driven Skin Inflammation?  
*Marina Scheler, Joerg Wenzel, Thomas Tüting, Osamu Takikawa, Thomas Bieber, and Dagmar von Bubnoff*
- 1944 Respiratory Virus-Induced Regulation of Asthma-Like Responses in Mice Depends upon CD8 T Cells and Interferon- $\gamma$  Production  
*Joost J. Smit, Louis Boon, and Nicholas W. Lukacs*
- 1952 Gastrointestinal Disease in Simian Immunodeficiency Virus-Infected Rhesus Macaques Is Characterized by Proinflammatory Dysregulation of the Interleukin-6-Janus Kinase/Signal Transducer and Activator of Transcription3 Pathway  
*Mahesh Moban, Pyone P. Aye, Juan T. Borda, Xavier Alvarez, and Andrew A. Lackner*
- Molecular Pathogenesis of Genetic and Inherited Diseases
- 1966 Deletion of Integrin-Linked Kinase from Skeletal Muscles of Mice Resembles Muscular Dystrophy Due to  $\alpha$ 7 $\beta$ 1-Integrin Deficiency  
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- 1978 Chronic Oxidative Stress Causes Amplification and Overexpression of *ptprz1* Protein Tyrosine Phosphatase to Activate  $\beta$ -Catenin Pathway  
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- 1989 Lipoprotein Receptor-Related Protein-1 Mediates Amyloid- $\beta$ -Mediated Cell Death of Cerebrovascular Cells  
*Micha M.M. Wilbelmus, Irene Otte-Höller, Jos J.J. van Triel, Robert Veerbuis, Marion L.C. Maat-Schieman, Guojun Bu, Robert M.W. de Waal, and Marcel M. Verbeek*

- 2000 Polyunsaturated Fatty Acids Induce  $\alpha$ -Synuclein-Related Pathogenic Changes in Neuronal Cells  
*Karen Assayag, Evgenia Yakonin, Virginie Loeb, Dennis J. Selkoe, and Ronit Sharon*

- 2012 Induction of Tau Pathology by Intracerebral Infusion of Amyloid- $\beta$ -Containing Brain Extract and by Amyloid- $\beta$  Deposition in APP  $\times$  Tau Transgenic Mice  
*Tristan Bolmont, Florence Clavaguera, Melanie Meyer-Luehmann, Martin C. Herzog, Rebecca Radde, Matthias Staufenbiel, Jada Lewis, Mike Hutton, Markus Tolnay, and Mathias Jucker*

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- 2021 Nox1 Expression Determines Cellular Reactive Oxygen and Modulates c-fos-Induced Growth Factor, Interleukin-8, and Cav-1  
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- 2033 *In Vivo* Evidence for the Role of CD44s in Promoting Breast Cancer Metastasis to the Liver  
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- 2048 Angiogenic Growth Factor Synergism in a Murine Tissue Engineering Model of Angiogenesis and Adipogenesis  
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2058 **ASIP Journal CME Program in Pathogenesis**

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