## SPECIAL SECTION ON RGS PROTEINS IN HEALTH AND DISEASE

RGS Proteins as Critical Regulators of Motor Function and Their Implications in Parkinson’s Disease  
*Katelin E. Ahlers-Dannen, Mackenzie M. Spicer, and Rory A. Fisher*

Regulators of G Protein Signaling in Analgesia and Addiction  
*Farhana Sakloth, Claire Polizu, Feodora Bertherat, and Venetia Zachariou*

Emerging Roles for Regulator of G Protein Signaling 2 in (Patho)physiology  
*Harrison J. McNabb, Qian Zhang, and Benita Sjögren*

## ACCELERATED COMMUNICATION

Reduced Activation of the Synaptic-Type GABA<sub>A</sub> Receptor Following Prolonged Exposure to Low Concentrations of Agonists: Relationship between Tonic Activity and Desensitization  
*Spencer R. Pierce, Allison L. Germann, Alex S. Evers, Joe Henry Steinbach, and Gustav Akk*

## ARTICLES

- **Structure of the Complex of an Iminopyridinedione Protein Tyrosine Phosphatase 4A3 Phosphatase Inhibitor with Human Serum Albumin**  
  *Mateusz P. Czub, Adam M. Boulton, Ettore J. Rastelli, Nikhil R. Tasker, Taber S. Maskrey, Isabella K. Blanco, Kelley E. McQueeney, John H. Bushweller, Wladek Minor, Peter Wipf, Elizabeth R. Sharlow, and John S. Lazo*

- **The Influence of Tobacco Smoke/Nicotine on CYP2A Expression in Human and African Green Monkey Lungs**  
  *Yuan Gao, Sharon Miksys, Roberta M. Palmour, and Rachel F. Tyndale*

- **GZD824 Inhibits GCN2 and Sensitizes Cancer Cells to Amino Acid Starvation Stress**  
  *Yu Kato, Kazuhiro Kunimasa, Mizuki Takahashi, Ayaka Harada, Ikuko Nagasawa, Masanori Osawa, Yoshikazu Sugimoto, and Akihiro Tomida*

- **N-Terminal Targeting of Regulator of G Protein Signaling Protein 2 for F-Box Only Protein 44–Mediated Proteasomal Degradation**  
  *Harrison J. McNabb, Stephanie Gonzalez, Christine S. Muli, and Benita Sjögren*

- **MicroRNA-1291-5p Sensitizes Pancreatic Carcinoma Cells to Arginine Deprivation and Chemotherapy through the Regulation of Arginolysis and Glycolysis**  
  *Mei-Juan Tu, Zhijian Duan, Zhenzhen Liu, Chao Zhang, Richard J. Bold, Frank J. Gonzalez, Edward J. Kim, and Ai-Ming Yu*

- **Allosterically Potentiated α7 Nicotinic Acetylcholine Receptors: Reduced Calcium Permeability and Current-Independent Control of Intracellular Calcium**  
  *Douglas R. Miller, Habibe Khoshbouei, Sumanta Barai, Lucas N. Cantwell, Clare Stokes, Ganesh Thakur, and Roger L. Papke*

- **Arginine-259 of UGT2B7 Confers UDP-Sugar Selectivity**  
  *Pramod C. Nair, Nuy Chau, Ross A. McKinnon, and John O. Miners*
Glutamate, d-(-)-2-Amino-5-Phosphonopentanoic Acid, and N-Methyl-d-Aspartate Do Not Directly Modulate Glycine Receptors
Karin R. Aubrey, Diba Sheipouri, Thomas Balle, Robert J. Vandenberg, and Yo Otsu

Domain-Swap Dimerization of Acanthamoeba castellanii CYP51 and a Unique Mechanism of Inactivation by Isavuconazole
Vandna Sharma, Brian Shing, Lilian Hernandez-Alvarez, Anjan Debnath, and Larissa M. Podust

CORRECTION
Correction to “Insulin-Like Growth Factor-1 Receptor Signaling Increases the Invasive Potential of Human Epidermal Growth Factor Receptor 2–Overexpressing Breast Cancer Cells via Src-Focal Adhesion Kinase and Forkhead Box Protein M1”

Correction to “Structure of the Complex of an Iminopyridinedione Protein Tyrosine Phosphatase 4A3 Phosphatase Inhibitor with Human Serum Albumin”

Supplemental material is available online at http://molpharm.aspetjournals.org.

About the cover: Molecular model of the AcCYP51 dimer in a phospholipid bilayer. See article by Sharma et al. (dx.doi.org/10.1124/molpharm.120.000092)