PERSPECTIVE

The Molecular Pharmacology of G Protein Signaling Then and Now: A Tribute to Alfred G. Gilman

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ACCELERATED COMMUNICATION

Thrombin-Mediated Direct Activation of Proteinase-Activated Receptor-2: Another Target for Thrombin Signaling

Koichiro Mihara, Rithwik Ramachandran, Mahmoud Saieddine, Kristina K. Hansen, Bernard Renaux, Danny Polley, Stacy Gibson, Christina Vanderboor, and Morley D. Hollenberg

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Molecular Basis of Ligand Dissociation from the Adenosine A2A Receptor

Dong Guo, Albert C. Pan, Ron O. Dror, Tamara Mocking, Rongfang Liu, Laura H. Heitman, David E. Shaw, and Adriaan P. IJzerman

Generation and Characterization of a Breast Cancer Resistance Protein Humanized Mouse Model


Distinct Phosphorylation Clusters Determine the Signaling Outcome of Free Fatty Acid Receptor 4/G Protein–Coupled Receptor 120

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Targeting the Metastasis Suppressor, N-Myc Downstream Regulated Gene-1, with Novel Di-2-Pyridylketone Thiosemicarbazones: Suppression of Tumor Cell Migration and Cell-Collagen Adhesion by Inhibiting Focal Adhesion Kinase/Paxillin Signaling

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David A. Sykes, Michelle E. Bradley, Darren M. Riddy, Elizabeth Willard, John Reilly, Asadh Miah, Carsten Bauer, Simon J. Watson, David A. Sandham, Gerald Dubois, and Steven J. Charlton

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

About the cover: Dr. Alfred G. Gilman. See “The Molecular Pharmacology of G Protein Signaling Then and Now: A Tribute to Alfred G. Gilman” by Sunahara and Insel (dx.doi.org/10.1124/mol.116.104216). Photograph courtesy of the University of Texas Southwestern Medical Center, Dallas. Reprinted with permission.