EXPERIMENTAL

2009

BIOLOGY

New Orleans Louisiana

April 18–22
Ernest N. Morial Convention Center

SPONSORS:
American Association of Anatomists (AAA)
The American Physiological Society (APS)
American Society for Biochemistry and Molecular Biology (ASBMB)
American Society for Investigative Pathology (ASIP)
American Society for Nutrition (ASN)
American Society for Pharmacology and Experimental Therapeutics (ASPET)
G-Protein Targets Colloquium
April 17 – 18, 2009
New Orleans, LA
Organized by Alan V. Smrcka, PhD and Theresa M. Filtz, PhD
This is a satellite meeting to Experimental Biology 2009
Sponsored by: ASPET’s Division for Molecular Pharmacology
Co-Sponsored by: The American Society for Biochemistry and Molecular Biology

Preliminary Program:
Friday, April 17

Theme I: Effector Structure and Mechanism for Regulation
Mechanism of Activation of Phospholipase C Isozymes
T. Kendall Harden, Univ of North Carolina
RhoGEF Structure/Function
John J.G. Tesmer, Univ of Michigan
Molecular Basis for K+ Channel Regulation by Gβγ
Diomedes E. Logothetis, Mt Sinai Sch of Med

Theme II: Novel G Protein Effectors and Regulatory Mechanisms
G12/G13 Activation of Adenylyl Cyclase
Lily Jiang, Univ Texas Southwestern Med Ctr
A Novel Signaling Mode for α1A-Adrenergic Receptors
Marcos E. Milla, Roche
Talk Selected from Abstracts

Theme III: Effector Scaffolding
Adenylyl-Cyclase-AKAP Interactions
John D. Scott, Univ of Washington
Molecular Chaperones for Kir3 Channel Assembly
Terry Hebert, McGill Univ
Talk Selected from Abstracts

Special Lecture on G Protein BRET Methods: Application to G Protein Effectors
Use of BRET to Monitor G Protein Conformational Changes
Michel Bouvier, Univ of Montreal

Preliminary Program:
Saturday, April 18

Theme IV: Effector Cell Physiology and Pharmacological Targeting
RhoGEF Regulation in Cells
Phillip B. Wedegaertner, Thomas Jefferson Univ
Epac in cAMP-Dependent Physiology
Martina Schmidt, Univ Groningen
Pharmacological Targeting of AC
Yoshihiro Ishikawa, UMDNJ-New Jersey Med Sch
Small Molecule Targeting of Gβγ-Effector Interactions
Alan V. Smrcka, Univ of Rochester
Talk Selected from Abstracts

Theme V: Physiological Roles of G Protein Effector Systems in vivo
Adenylyl Cyclase and Longevity/Physiology
Stephen F. Vatner, UMDNJ-New Jersey Med Sch
PLC Regulation in the Heart
Elizabeth A. Woodcock, Baker Med Res Inst
PI3 Kinase γ in Neutrophil Function
Dianqing (Dan) Wu, Yale Univ

Plenary Lecture:
G Proteins and G Protein Targets
Heidi Hamm, Vanderbilt Univ

For More Information on Programming and to Register: http://www.aspet.org/public/meetings/meetings.html