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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 PLC Activation by G Protein

T. Kendall Harden, Univ of North Carolina

RhoGEF Structure/Function

John J.G. Tesmer, Univ of Michigan

Molecular Basis for K⁺ Channel Regulation by G β γ

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 α_{1A} -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

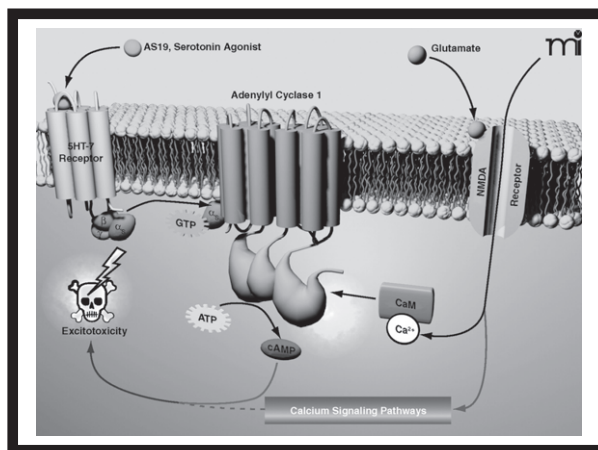
Terry Hebert, McGill Univ

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 G β γ -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

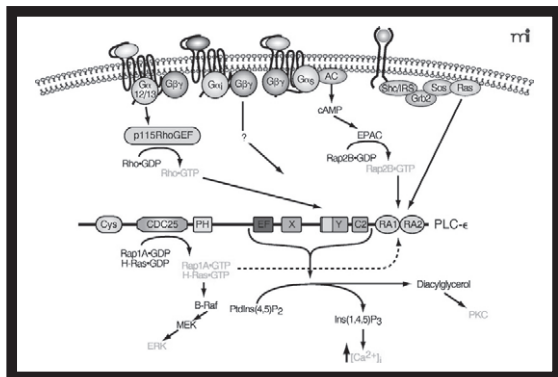
PI3 Kinase γ in Neutrophil Function

Dianqing (Dan) Wu, Yale Univ

Plenary Lecture:

G Proteins and G Protein Targets

Heidi Hamm, Vanderbilt Univ



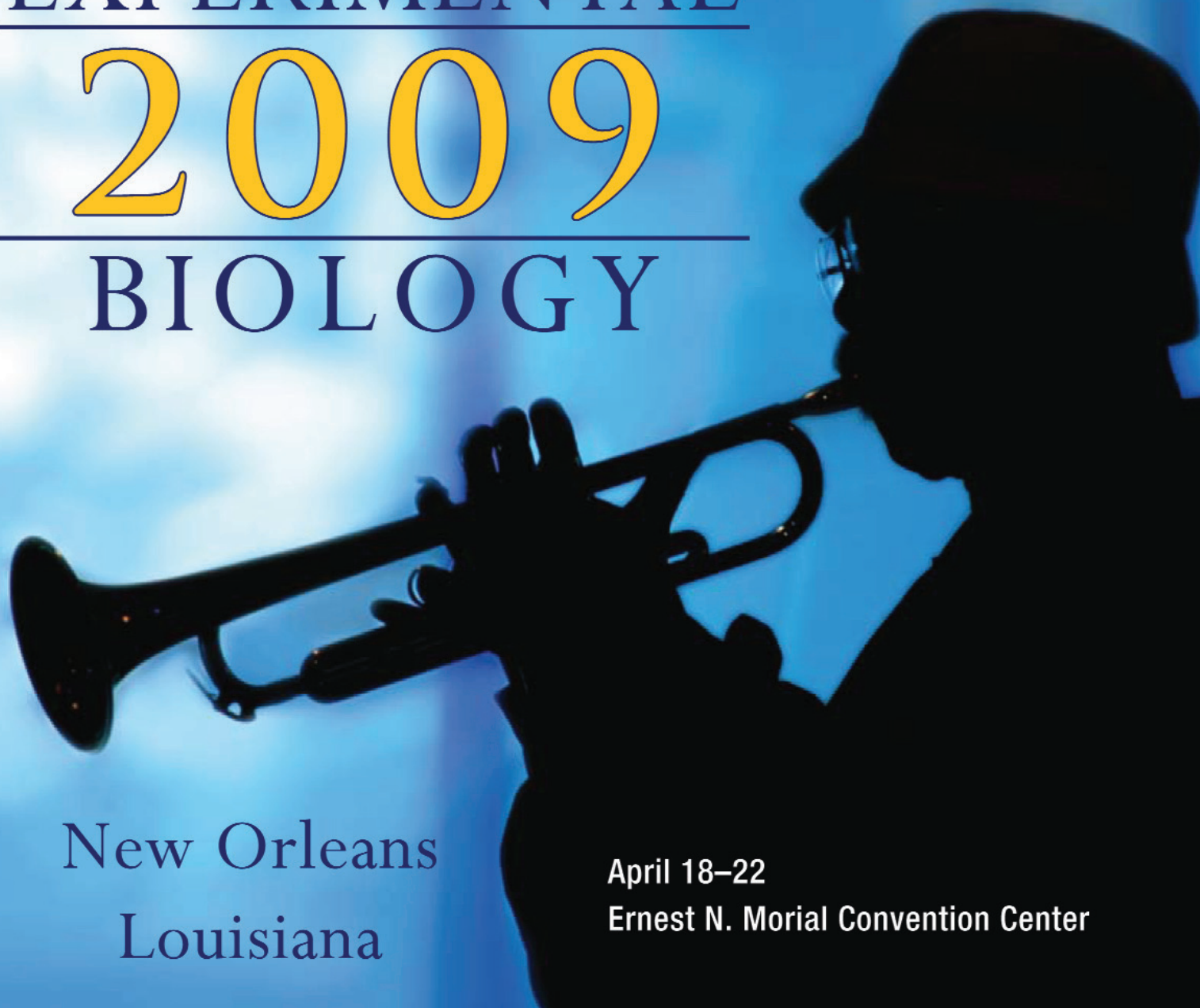
For More Information on Programming and to Register:
<http://www.aspet.org/public/meetings/meetings.html>

FOR FURTHER INFORMATION WWW.EB2009.ORG

EXPERIMENTAL

2009

BIOLOGY



New Orleans
Louisiana

April 18–22

Ernest N. Morial Convention Center

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