

Today's Research:
Tomorrow's Health
April 18–22

#### **Sponsors:**

#### AAA

American Association of Anatomists

#### **APS**

The American Physiological Society

#### **ASBMB**

American Society for Biochemistry and Molecular Biology

#### **ASIP**

American Society for Investigative Pathology

#### **ASN**

American Society for Nutrition

#### **ASPET**

American Society for Pharmacology and Experimental Therapeutics

# CALL FOR LATE-BREAKING ABSTRACTS

Deadline for Submission: Wednesday, February 25, 2009

www.eb2009.org

Late-breaking abstracts will be accepted beginning the week of December 7, 2008. The abstracts are for poster presentations only and will be scheduled on Wednesday, April 22, 2009.

Late-breaking abstracts must be submitted online at www.eb2009.org with the \$90 abstract fee by Wednesday, February 25, 2009.

Late-breaking abstracts will be published online.

Please visit www.eb2009.org for information about the meeting, including late-breaking abstract topic categories, the preliminary program, registration and hotel information. Please contact eb@faseb.org for more information.

Register online by February 9, 2009 for the lowest registration rates.

Complete hotel reservations by March 10, 2009.

- Brunton, L.L., Lazo, J.S., Parker, K.L., Editors. Goodman & Gilman's The Pharmacological Basis of Therapeutics 11th Edition. New York, McGraw Hill, pp. 538–540 (2006).
- Tiraboschi, P., Hansen, L.A., Thal, L.J., and Corey-Bloom, J. The importance of neuritic plaques and tangles to the development and evolution of AD. *Neurology* 62, 1984–1989 (2004).
- Tanzi, R.E. Tangles and neurodegenerative disease—a surprising twist. New Eng. J. Med. 353, 1853–1855 (2005).
- Weingarten, M.D., Lockwood, A.H., Hwo, S.-Y., and Kirschner, M.W. A protein factor essential for microtubule asssembly. *Proc. Nat. Acad. Sci.* U.S.A. 72, 1858–1862 (1975).
- 28. Ashe, K.H. A tale about tau. New Eng. J. Med. 357, 933-935 (2007).
- Wischik, C.M., Edwards, P.C., Lai, R.Y. et al. Selective inhibition of Alzheimer's disease-like tau aggregation by phenothiazines. *Proc. Nat. Acad. Sci. U.S.A.* 93, 11213–11218 (1996).



Stanley Scheindlin, DSc, holds a BS in pharmacy from Temple University and graduate degrees in pharmaceutical chemistry from Philadelphia College of Pharmacy and Science (now University of Sciences in Philadelphia). His academic research dealt with plant constituents and chemical

interactions of vitamins. In his pharmaceutical industry career, he handled new drug formulation developments, and later regulatory affairs, presiding over the filing of about 100 generic new drug applications and two innovative drug applications. Now retired, his activities include volunteer work, consulting, and writing *Reflections* pieces for this journal. E-mail stansch@verizon.net

# Improving research protections means improving research quality.



Association for the Accreditation of Human Research Protection Programs, Inc.®



#### AAHRPP accreditation...

- improves your human research protection program
- assists your organization in achieving regulatory compliance
- helps your organization compete for sponsored research
- "raises the bar" in overall research quality
- builds and enhances public trust

For information call (202)783-1112, www.aahrpp.org

## 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**<sup>+</sup> **Channel Regulation by Gβ**γ Diomedes E. Logothetis, Mt Sinai Sch of Med

## Theme II: Novel G Protein Effectors and Regulatory Mechanisms

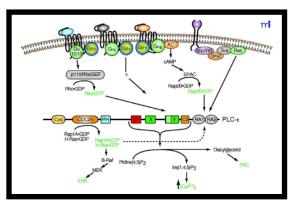
G12/G13 Activation of Adenylyl Cyclase Lily Jiang, Univ Texas Southwestern Med Ctr A Novel Signaling Mode for  $\alpha_{1A}$ -Adrenergic Receptors Marcos E. Milla, Roche Talk Selected from Abstracts

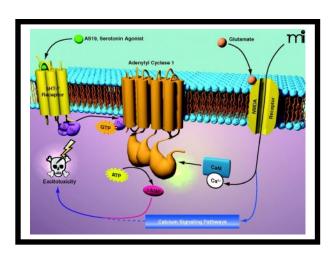
#### Theme III: Effector Scaffolding

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 $\beta\gamma$ –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
Pl3 Kinase γ in Neutrophil Function
Dianging (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

## **SAVE THE DATE!!**

## 2009 ASPET Annual Meeting at Experimental Biology 2009 April 18 - 22 New Orleans, Louisiana

#### 2009 Symposia:

A Renaissance in Marine Pharmacology: Preclinical Curiosity to Clinical Reality

Advances in Down Syndrome Neuroscience Research: Implications for Alzheimer's Disease, Dementias, & Other Cognitive Disorders

All Presidents' Symposium on Integrative Pharmacology

AMPK as a Novel Therapeutic Approach for the Treatment of Metabolic Disorders & Heart Disease

Discovery & Development of Oligonucleotide Therapeutics

Emerging Approaches to Treatment of Alzheimer's Disease

Endothelial Progenitor Cells & Cardiovascular Disease - From Bench to Bed Site

Exposure to Environmental Agent Alters Epigenetic Homeostasis

Gases as Neuromodulators in Sensing: From Nitric Oxide to Hydrogen Sulfide

Generating Proteomic Diversity in Xenobiotic Biotransformation with Alternative RNA Splicing

Integrating Basic Sciences & Patient Care in a Core Clerkship Curriculum

Metabolomics in the Search for Biomarkers for Human Health

microRNAs as Biological Effectors & as Pharmacological Targets in the Cardiovascular System

Neuroplastic & Neurodegenerative Changes Associated with Drug Abuse and Addiction

Receptor Signaling & Regulation in Neuropsychiatric Research

Regenerative Pharmacology

Regulation of Xenobiotic Metabolizing Enzymes in Humans: Implications for the Propagation of Health & Disease

Targeting Drug Metabolizing Enzymes for Effective Chemopreventive Approaches

The Role of Nuclear Receptors in Lipid Homeostasis

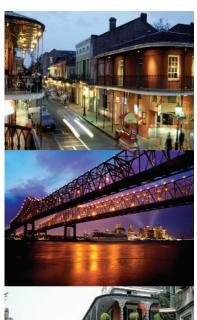
The Role of Insulin & Leptin in Drug Addiction and Mood

The Serotonin Transporter: Non Just for Neurons Anymore

Therapeutics in Autoimmunity: Treatment Successes & Side Effects as a Tool of Elucidating Pathogenic Pathways

Virally-encoded G Protein Coupled Receptors as New Drug Targets?







Photos Courtesy of New Orleans Convention and Visitors Bureau

See You in the Big Easy!! For more Info: www.eb2009.org

## Does Your Library Subscribe to Molecular Interventions?

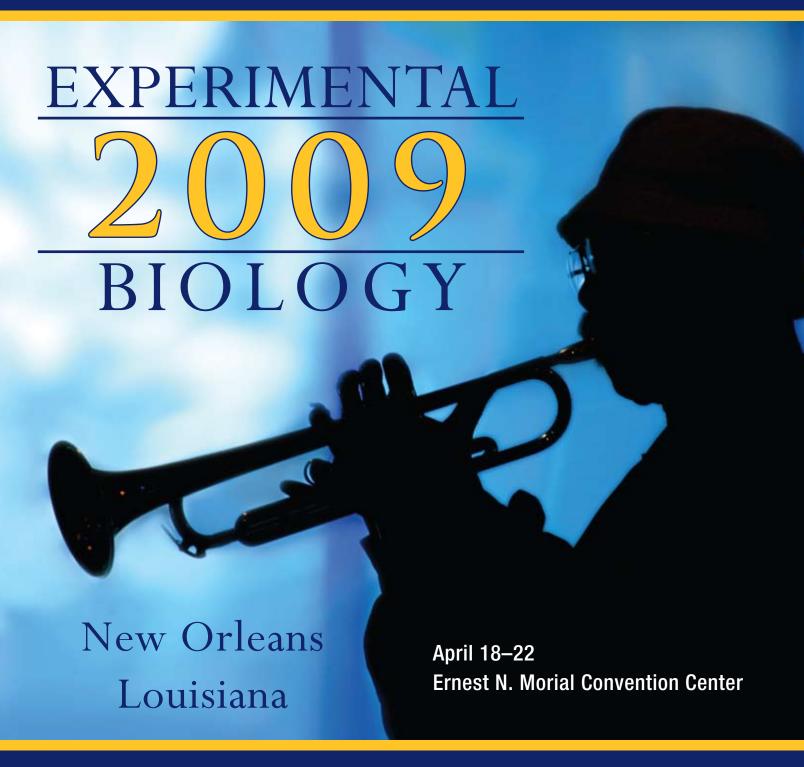


Scientifically Rigorous and cutting edge content keeps you up to date in all areas related to pharmacology. With meaningful graphics and exciting content, <a href="EVERYONE">EVERYONE</a> should be reading MI!!

## TELL YOUR LIBRARIAN TO SUBSCRIBE TODAY!!

2009 Subscription prices now available at:

http://molinterv.aspetjournals.org



#### **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)** 

