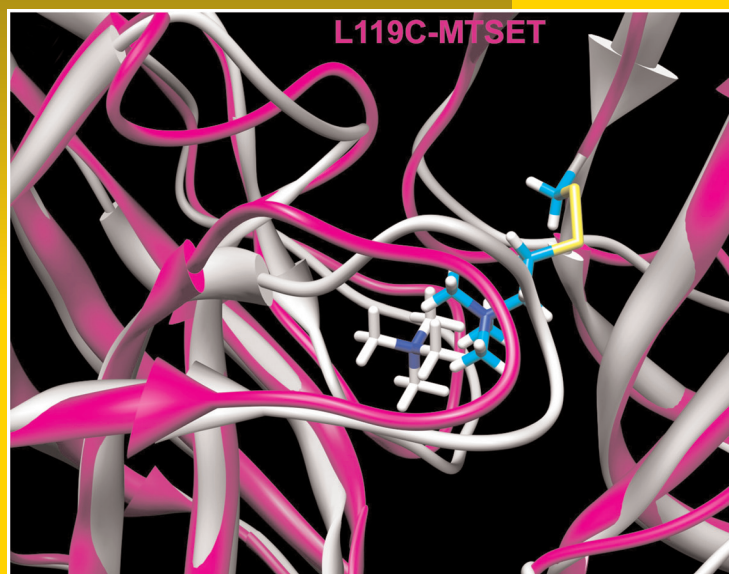


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# **RGS & AGS Proteins in Physiology & Disease Colloquium**

**April 13-14, 2011, Washington, D.C.**

Chairs: John R. Hepler, Emory Univ & Venitia Zachariou, Univ of Crete  
This is a Satellite Meeting to Experimental Biology 2011

## **RGS/AGS Proteins in Physiology & Disease**

### ***Visual System***

RGS9 Regulation of ON-Bipolar Cells (*T. Wensel, Baylor College of Medicine*)  
AGS/PcP2/Go Signaling in Retina (*N. Vardi, Univ of Pennsylvania*)

### ***Inflammation and Cardiovascular Disease***

RGS in Bronchial Smooth Muscle/Asthma (*K. Druey, NIAID/NIH*)  
RGS2 in Hypertension-Induced Hypertrophy (*TBD*)  
AGS in Cardiovascular (*TBD*)

### ***Cancer and Neoplastic Disease***

RGS Proteins in Breast Cancer (*S. Hooks, Univ of Georgia*)  
AGS3 and Polycystic Kidney Disease (*P. Jackson, Genentech*)

### ***CNS Disorders***

RGS4 in Bipolar Disorders/Schizophrenia (*A. Hedge, Wake Forest Univ*)  
RGS10 in Microglia and CNS Inflammation (*M. Tansey, Emory Univ*)  
AGS Proteins in Neuronal Stem Cells (*TBD*)

## **RGS & AGS Proteins & Their Partners as Drug Targets**

### ***The RGS/AGS/G Protein Interface as Drug Targets***

RGS Proteins as Drug Targets (*R. Neubig, Univ of Michigan*)  
AGS/GoLoco/G Interface as a Drug Target (*TBD*)

### ***Genetic Systems and Structure/Function***

Genetic Studies of AGS3 in *c. elegans* (*M. Koelle, Yale Univ*)  
Structure of RGS Proteins (*TBD*)

### ***RGS/AGS Binding Partners and Signaling Complexes***

Ric8A Regulation of AGS Proteins (*G. Tall, Univ of Rochester*)  
AGS3 mTor-dependent Macroautophagy (*TBD*)

Attendees are invited to submit a poster for presentation on Wednesday evening and Thursday morning. Several short talks will be selected from the contributed posters. Poster titles and abstracts must be emailed to [araptakis@aspet.org](mailto:araptakis@aspet.org), no later than March 1, 2011.

**For more information and to register, visit:**

**[http://www.aspet.org/Meetings/RGS\\_AGS\\_Proteins/](http://www.aspet.org/Meetings/RGS_AGS_Proteins/)**

# SAVE THE DATE!

## 2011 ASPET ANNUAL MEETING AT EXPERIMENTAL BIOLOGY APRIL 9-13, WASHINGTON, DC



### 2011 Preliminary Symposia

- Advances in Estrogen Receptor Signaling: Potential Implications for Women's Health
- Autism & PDD: Neuropathology, Pharmacotherapies, & New Directions
- Cardiovascular KCN1 (Kv7) Potassium Channels: Physiological Regulators & Targets for Therapeutic Intervention
- Chronobiology in the Modern Curricula: Addressing Disease Linkage & Pharmacological Approaches
- Creating Effective Questions for Assessment & as Aids in Learning in Today's Pharmacology Programs
- Drug Metabolism & Action in Pathophysiological Conditions
- Gα Subtype-Selective Signaling By GPCRs as a Substrate for Functional Selectivity
- G-Protein Coupled Receptor Signaling in Stem Cell Biology
- Idiosyncratic Drug Reactions
- Julius Axelrod Symposium
- Micro-RNA Controlled Regulation of Drug Metabolism & Disposition
- New Roles for Arrestins in Signaling, Trafficking & Disease
- Novel Regulation, Physiological Roles, & Pharmacological Intervention of GPCR-Adenylyl Cyclase Signaling Systems
- Organ-Specific Toxicities Caused by Novel Metabolic Pathways
- Pharmacogenomics & Personalized Medicine
- Pharmacogenomics to Address Adverse Drug Events
- Pharmacology for Healthcare Professionals: Thirst for Knowledge
- Physiology & Pharmacology of Trace Amine Associated Receptors
- Recent Developments in the Understanding of the Biology & Physiology of the Jak Family of Tyrosine Kinases
- Regenerative Pharmacology & Translational Therapies for Repair of Nerve & Muscle Diseases/Disorders
- Role of Neuroinflammation in Psychiatric Disease
- Systems Biology of Oxidative Stress & Therapeutic Implications
- The Biological "Specifics" of the "Non-Specific" Placebo Response
- The Neurobiology of Post Traumatic Stress Disorder & Implications for Treatment
- Therapeutic Angiogenesis
- Therapeutic Peptides: Novel Approaches in Drug Development
- Therapeutic Targeting of Epoxyeicosanoids
- Too Much or Too Little: Behavioral Models & Pharmacotherapies for Eating Disorders

### Division Programming

- Behavioral Pharmacology Division Symposium: Pharmacokinetic Approaches to the Treatment of Drug Abuse
- Cardiovascular Pharmacology Division Trainee Showcase & Benedict Lucchesi Distinguished Lecture
- Drug Discovery, Development & Regulatory Affairs Division Symposium: High Impact Pharmacological Screening in Academia
- Drug Metabolism Platform Session, Gillette Award Winners & Early Career Achievement Award Lecture
- Integrative Systems, Translational & Clinical Pharmacology Division Young Scientist Awards Platform Session
- Molecular Pharmacology Division Postdoctoral Award Finalist Presentations
- Neuropharmacology Division Best Abstract Presentations
- Pharmacology Education Division Symposium: Pharmacokinetics: A Review of the Basics
- Toxicology Division Symposium: Hypoxia, Hypoxia-Inducible Factor-1α & Toxic Responses