



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, no later than March 1, 2011.

For more information and to register, visit:

http://www.aspet.org/Meetings/RGS_AGS_Proteins/

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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
- G α 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-1 α & Toxic Responses

