

Atlanta Calcium Signaling Symposium

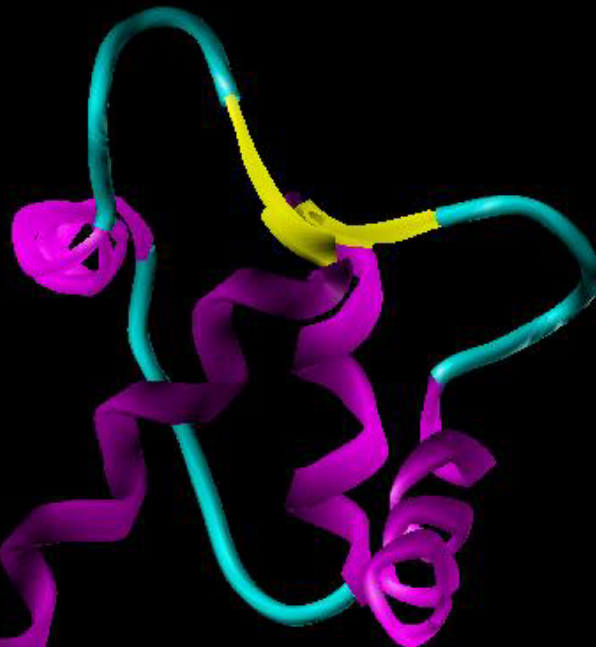
1st Annual Calcium Symposium

April 23, 2005

Keynote Speakers

Edward Meigs Brown, M.D.
Membrane Biology Program
Harvard Institutes of Medicine

Rajini Rao, Ph.D.
Department of Physiology
Johns Hopkins School of Medicine



Jenny J Yang
Department of Chemistry, GSU

Vincent Rehder
Department of Biology, GSU

Amy Lee
Department of Pharmacology, Emory

Elizabeth Finch
Department of Cell Biology, Emory

Clare Bergson
Department of Pharmacology/Toxicology, MCG

Erick Lin
Department of NeuroScience, Emory

Jeffrey Urbauer
Department of Chemistry, UGA

Online Registration:

<http://chemistry.gsu.edu/faculty/Yang/calcium.htm>

Sponsor: Center for Neural Communication and Computation, GSU
Photon Technology International

Organizer: Dr. Jenny J Yang, Department of Chemistry, and Atlanta Calcium Club

Georgia State University
Indian Creek Lodge



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Saturday,

8:20 – 9:00 AM Breakfast, Registration, Poster Setup

9:00 - 11:50 AM

Moderator: Jenny J Yang

9:00: **Edward Meigs Brown (Keynote Speaker)**, Membrane Biology Program, Harvard Institutes of Medicine
The Extracellular Calcium-Sensing Receptor: Guardian of Systemic Calcium Homeostasis

10:00: **Vincent Rehder**, Department of Biology, GSU
The Role of Calcium on Growth Cone Motility of Identified Snail Neurons

10:25: **Elizabeth Finch**, Department of Cell Biology, Emory
Dendritic Calcium Dynamics in Cerebellar Purkinje Neurons

10:50 - 11:00 AM Break

11:00: **Clare Bergson**, Department of Pharmacology/Toxicology, MCG
Mechanisms Underlying Gs-Gq Coupled GPCR Crosstalk

11:25: **Jeffrey Urbauer**, Department of Chemistry, UGA
Mediating Calcium Signaling by Methionine Oxidation: Nonproductive Interaction of Calmodulin with the Plasma Membrane Calcium-ATPase Following Oxidation of Methionine Residues in Calmodulin

11:50- 1:00 PM Lunch

1:00 - 3:15 PM

Moderator: Paul Katz

1:00: **Jenny J Yang**, Department of Chemistry, GSU
Design Calcium Binding Protein with Tailor Functions

1:25: **Amy Lee**, Department of Pharmacology, Emory
Calcium Binding Proteins as Essential Regulators of Voltage-gated Calcium channels

1:50: **Erick Lin**, Department of Otolaryngology and Department of Cell Biology, Emory
Gap Junction Mediated Intercellular Biochemical Coupling in Cochlear Supporting Cells is Required for Normal Cochlear Functions.

2:15: **Rajini Rao (Keynote Speaker)**, Department of Physiology, Johns Hopkins School of Medicine
Secretory Pathway Pathway Ca(II)-ATPases: From Yeast to Human

3:30 – 5:30 PM Poster Session

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900 South Indian Creek Drive
Stone Mountain, GA 30083

From I-285:

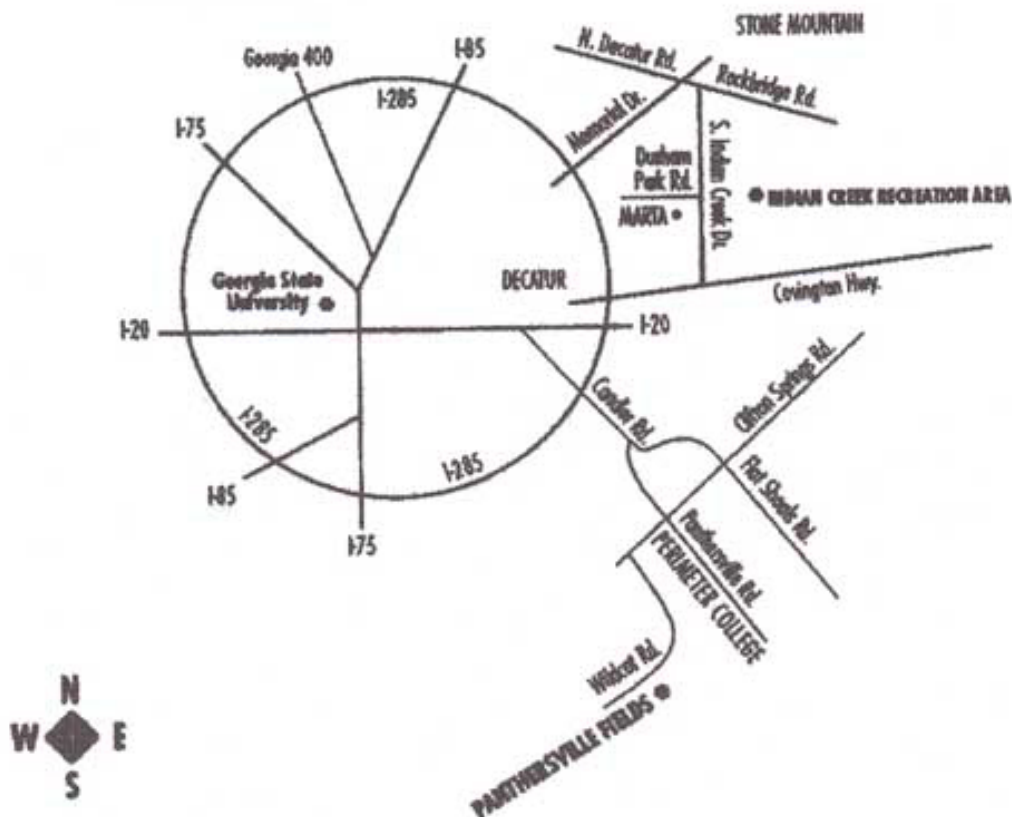
Take Candler Road/Flat Shoals exit (#48) and go left

Pass over I-285, Take a right onto Clifton Springs (there will be a QT on the corner)

Drive straight through the next intersection (Panthersville Road, the GBI and Perimeter

College South Campus will be on the corner), Turn left onto Wildcat Road (directly behind the football stadium), Follow Wildcat Road and the fields will be on the left

Atlanta map to
Georgia State University
recreation areas



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