



**American Physiological Society
Gastrointestinal Section Newsletter
Spring, 2001**

***Experimental Biology 2001
March 31st - April 4th 2001 Orlando, Florida***

GI Section highlights at a glance

Horace Davenport Distinguished Lecturer 2001

Professor Geoffrey Burnstock, University College, London, UK

“Purinergic Signaling in the Gut”

April 2, 3:15 pm Convention Center, Room 311F

Abbott Distinguished Research Award for Excellence in Gastrointestinal Physiology

Dr Catherine Chew, Medical College of Georgia

“The Nonpareil Parietal Cell”

April 3, 6:45 pm, Peabody Hotel, Butler Room.

GI Section Social/Business Meeting

April 3, 6:45 pm, Peabody Hotel, Butler Room.

Please join your colleagues at this social and scientific event. All of the GI Section awardees will be recognized at our business meeting. Professor Burnstock will be presented with the Davenport Medal in honor of his Distinguished Lectureship. The highlight of the evening will be Dr Chew’s lecture. There will be a cash bar and complementary appetizers at the GI reception.

The GI Section gratefully acknowledges Abbott Laboratories for their generous and continued support of our sectional activities!

Experimental Biology 2001(cont)

GI Sponsored Scientific Sessions

SYMPOSIA

Saturday, March 31, 1:00-3:00 PM

Convention Center, Room 204C

Joint APS/AAA Symposium: Chronic Bowel Inflammation and Allergic Asthma: Similarities and Differences

Chairs: Charles G. Plopper and Helen E. Raybould

Monday, April 2, 8:00 AM

Convention Center, Room 313

Vagal Mechanisms of Visceral Sensation: Emerging Concepts

Chairs: Clark M. Blatteis and Helen E. Raybould

Tuesday, April 3, 8:00-10 am Peabody Orlando II

Adaptive Regulation of Epithelial Solute Transporters

Chairs: Barry H. Hirst and Ronaldo P. Ferraris

FEATURED TOPICS

Tuesday, April 3, 8:00 AM

Convention Center, Room 311 F

Role of the Endothelium in GI Inflammation

Chairs: Peter R. Kvietys and J. Steven Alexander

Tuesday, April 3, 8:00 AM

Convention Center, Room 312 A

Cellular Mechanisms of Regulated Secretion in the GI Tract

Chairs: Catherine S. Chew and John G. Forte

Wednesday, April 4, 10:15 am

Convention Center, Room 312 B/C

Liver Pathophysiology

Chairs: Joseph Benoit and Alex Lentsch

GI section poster sessions will be held on Monday and Tuesday

*There are many other sessions of interest to GI physiologists – please check the
EB 2001 website at <http://ww2.miracd.com/eb01>*

Experimental Biology 2001(cont)

Section Award Lectures

Horace Davenport Distinguished Lecturer 2000

Professor Geoffrey Burnstock, University College, London UK

Geoff Burnstock, Professor and Director of the Autonomic Neuroscience Institute at the Royal Free Hospital School of Medicine in London will give the Horace Davenport Distinguished Lecture. Professor Burnstock is a pioneer in research on neurotransmission in the autonomic and the enteric nervous system.

Abbott Distinguished Research Award for Excellence in Gastrointestinal Physiology

Dr. Catherine Chew, Medical College of Georgia

Dr Catherine Chew, Professor of Medicine, Cellular Biology and Anatomy, was selected as the 51st recipient of this award. Kay Chew is a leader in the field of signal transduction in the gastric parietal cell.

2001 Davenport Trainee Lunch

Preceding Professor Burnstock's lecture on Monday afternoon will be a complimentary lunch for trainees and junior scientists (12:15 pm to 1:45 pm, Peabody Hotel, Atlantic Room). This is an excellent way for undergraduate, graduate and postdoctoral fellows and residents to interact with Professor Burnstock in an informal setting. *Please come and enjoy some lunch and lively discussion with us!*

Parietal Cell Club

The Parietal Cell Club will hold its annual meeting during EB 2001 to discuss matters oxyntic. The meeting will take place in the Butler Room, Peabody Hotel from 5-7 pm on Monday, April 2. The theme of the meeting is "Proton-omics: molecular manipulation of gastric acid secretion". There are two speakers and we plan for a lively discussion. The speakers are:

Gary Shull, University of Cincinnati

"Gastric Phenotypes of H,K-ATPase and Na/H Exchanger Single and Double Knockouts"

Michael Caplan, Yale University

"Sorting signals in H,K-ATPase: targeting and regulation"

Society Award Lectures

The Walter B. Cannon Memorial Award Lecture Saturday, March 31, 5:30 PM, Peabody Hotel, Ballroom D.

Speaker: Robert J Lefkowitz, Duke University

Title: Regulation of G protein-coupled receptors: molecular mechanisms, physiological implications and therapeutic opportunities.

Henry Pickering Bowditch Award Lecture, Sunday, April 1, 5:30 PM, Peabody, Ballroom D.

Speaker: Peter M.T. Deen

Title: The aquaporin-2 water channel in health and disease.

Trainee Award Winners

The winners of our Section Trainee Awards will be presented with a certificate and a cash prize at the GI Section Business meeting, Tuesday April 3. This year's winners are:

Predoctoral GI Student Prize:

Xuequn Chen (mentor: John Williams), Dept of Physiology, University of Michigan, Ann Arbor, MI.
The role of RAB3D in pancreatic acinar cell exocytosis.

Postdoctoral GI Student Prize:

Lone S. Bertelsen (mentor: Kim Barrett), Dept of Medicine, University of California, San Diego, CA.
Modulation of chloride secretory responses of intestinal epithelial cells by the salmonella effector SopB.

Proctor and Gamble Professional Opportunity Award:

Ian N. Hines (mentor: Matt Grisham), Dept of Physiology, Louisiana State University Health Sciences Center, Shreveport, LA.

Role of nitric oxide (NO) in cytokine expression and tissue injury in the post-ischemic liver.

(note: this awardee will also be recognized at the APS Business Meeting – Tuesday April 3, Peabody Hotel, Ballroom D)

Section Announcements

Special Thanks

We would like to extend our deep gratitude to the two outgoing councilors Robert Coffey and Allan Wolkoff. We thank them for all their efforts on behalf of the section.

GI Section ListServ

This is the quickest and fastest way for your elected representatives to contact you and for you to contact fellow members of the section. PLEASE subscribe to the GI Section listserv. It is free and when you subscribe, you will receive the latest news and can post messages on the listserv yourself. Please help us communicate with the section membership effectively.

To subscribe, go to the "members only" section of the APS website.

Programming

The Section Programming Committee is always interested in hearing from you. We need suggestions for future symposia, featured topics and names of candidates for the Davenport and GI Distinguished Researcher Awards. Take part in the activities of your society and your section by contributing to the programming.

Contact Matt Grisham at mgrish@lsumc.edu.

Experimental Biology 2001 (cont)

Workshop/Symposia at EB '01 with ASPET Committee on Women in Pharmacology. How to Write, Review, and Publish in APS and ASPET Journals.

All the best efforts at the laboratory bench will be wasted if you cannot properly communicate the results of your research in the form of a high quality scientific publication. The APS Women in Physiology Committee and the ASPET Committee on Women in Pharmacology are co-organizing a Workshop designed to mentor young scientists of both genders on developing effective tools to be able to write, review, and publish manuscripts in APS and ASPET Journals. The seven panelists will draw on their experiences as Editors/Associate Editors of APS and ASPET Journals to provide participants with useful information on scientific writing. You will learn such things as the importance of writing a clear Introduction, the differences between reiterating your results and discussing your data in the Discussion, and what reviewers look for when they read your submitted manuscript. This workshop will use an interactive forum to engage the audience in activities designed to make scientific writing and reviewing an exciting challenge rather than a necessary chore. The target audience is graduate students, postdoctoral fellows, and junior faculty members. This session is designed to mentor young scientists **of both genders** on this topic. The session is scheduled for Sunday April 1 from 9-11 a.m.

Upcoming Meetings and Conferences

Mouse Models Of Pancreatic Cancer

A multi-disciplinary symposium focusing on the development, cell biology and tumorigenesis of the exocrine pancreas.

May 24-25, 2001

Loew's Vanderbilt Plaza Hotel, Nashville, TN 37232

Sponsored by the National Cancer Institute/Vanderbilt-Ingram Cancer Center/American Digestive Health Foundation.

For registration: contact Katherine Stroup (615) 343 1590 or katherine.stroup@mcmail.vanderbilt.edu

2001: A Brain-Gut Odyssey

The fifth International Symposium on Brain-Gut Interactions featuring sessions on The Brain in the Gut, Gut to Brain Signaling, Receptors and Transmission in the Brain-Gut Axis: potentials for novel therapies, Feeding Obesity and the Brain-Gut Axis, The Brain-Gut Axis – Painful Memories, The Neuroimmune Brain-Gut Axis, Brain-Gut Disconnections.

July 11-15, 2001

Keeble College, Oxford, UK

For complete program, registration information and forms, abstract submission information and forms, deadlines, travel and accommodations, and contact information, visit the website at:

<http://braingut2001.med.ucla.edu>

The APS Needs You!!!

The APS committees cover a wide array of topics and are key to the success of the Society. Participation on committees also provides an excellent way to increase your scientific network. For these reasons and to improve the visibility of the G.I. community, we encourage all GI physiologists to consider serving on APS committees. Although you can volunteer by directly submitting your nominations to the APS, we would like to offer help in coordinating your efforts. You can nominate yourself and/or a colleague. To indicate your interest, please fill in the attached form **at your earliest convenience** and return to Meena Rao, the G.I. representative on the Committee on Committees.

Committees:

Animal Care and Experimentation
Awards
Career Opportunities in Physiology
Ray G. Daggs
Education
Finance
International Physiology
Long Range Planning
Membership
Perkins Memorial Fellowship
Porter Physiology Development Program
Public Affairs
Publications
Senior Physiologists
Women in Physiology

Please send a 3 page c.v. highlighting your experiences pertinent to the committee of your choice.

_____ I am interested in serving on the _____ Committee

_____ I am not interested at this time but please consider me for future years

_____ I want to participate in G.I. section activities but cannot serve at this time

Name;

Address:

Phone #

Fax#

E-mail Address:

Please e-mail or send by first class mail to:

Mrinalini C. Rao, Ph.D.

Department of Physiology & Biophysics

University of Illinois at Chicago

835 S. Wolcott Ave, m/c 901, Chicago, IL 60612-7342

E-mail: meenarao@uic.edu

Phone (312) 996-7884

Fax: (312) 996-1414

GI Section Steering Committee: 2001-2002

Helen E. Raybould, Ph.D. (Chair) (2002)

Vet Med: APC 530 754 6555
1321 Haring Hall 530 752 7690 FAX
University of California heraybould@ucdavis.edu
Davis, CA 95616

Hugh Nellans, Ph.D. (Secretary-Treasurer) (2004)

GI Pharmacology and Oral Drug Delivery 847-937-8157
Abbott Laboratories 847-938-5286 FAX
Dept. 46R, Bldg. AP9 hugh.n.nellans@abbott.com
100 Abbott Park Road
Abbott Park, IL 60064-3500

Hannah V. Carey, Ph.D. (Past Chair)

Dept. of Comparative Biosciences 608 263 0418
School of Veterinary Medicine 608 263 3926 FAX
University of Wisconsin-Madison careyh@svm.vetmed.wisc.edu
2015 Linden Drive West
Madison, WI 53706

Nigel Bunnett, Ph.D. (Councilor) (2003)

521 Parnassus Ave, Room 317 415 476 0489
Dept Surgery, Box 0660 415 476 0936
UCSF nigelb@itsa.ucsf.edu
San Francisco, CA 94134-0660

Robert Coffey, Jr. MD (Councilor) (2001)

Gastroenterology Division 615-343-6228
Department of Medicine 615-343-6229 FAX
C2104 Medical Center No coffeyrj@ctrvax.vanderbilt.edu
Vanderbilt University, Nashville, TN 37232-1080

Matthew Grisham, Ph.D. (Councilor) (2002)

Dept. of Molecular and Cellular Physiology 318-675-6021
Louisiana State University Medical Center 318-675-4156 FAX
1501 Kings Highway mgrish@lsumc.edu
Shreveport, LA 71130

Linda Samuelson, Ph.D. (Councilor) (2003)

Dept of Physiology 734 764 9448
University of Michigan 734 936 8813 FAX
7761 Medical Sciences Bldg lcsam@umich.edu
Ann Arbor
Michigan, MI 48109-0622

Allan Wolkoff, MD (Councilor) (2001)

Division of Gastroenterology 718-430-2098
Liver Research Center 718-430-8975 FAX
Albert Einstein College of Medicine wolkoff@acom.yu.edu
1300 Morris Park Ave
Bronx, New York 10461-1975

Ernest Wright, Ph.D. (Councilor) (2002)

Dept. of Physiology 310-825-6905
UCLA School of Medicine 310-206-5886 FAX
Box 17511 ewright@mednet.ucla.edu
Los Angeles, CA 90095

Kenneth Mandell, PhD (Liason with Industry Committee) (2002)

New Product Research 973 889 2119
Smith Kline Beecham Consumer Healthcare 973 8892268
1500 Littleton Rd ken.g.mandell@sb.com
Parsippany
New Jersey, NJ 07504-3884

Meena Rao, Ph.D. (GI Representative on Committee on Committees) (2003)

Dept. of Physiology and Biophysics 312 996 7884
University of Illinois at Chicago 312 996 1414 FAX
835 S. Wolcott Avenue, MC 901 meenarao@uic.edu
Chicago, IL 60612

Martin F. Kagnoff, MD (Editor-in-Chief, AJP Gastrointestinal & Liver Physiol)

Dept of Medicine 0632D 619 534 4622
University of California – San Diego 619 534 5691 FAX
9500 Gilman Drive mkagnoff@ucsd.edu
La Jolla, CA 92093-0623