



AMERICAN PHYSIOLOGICAL SOCIETY GASTROINTESTINAL/LIVER SECTION NEWSLETTER SPRING 2009

We hope everyone is attending the EB 2009 meeting in **New Orleans, Louisiana (April 18-22)**. Make sure to attend the Davenport lectureship, to be given this year by **Susan Henning** from University of North Carolina, whose talk will be on *Postnatal GI Development: the Journey from Steroids to Stem Cells*.

Our Business meeting and Banquet symposium take place Tuesday, April 21 at the famous *Court of Two Sisters Restaurant* within walking distance of the convention center. **Banquet tickets are available on-line until April 3, and only a handful will be available for sale during the EB meeting** (info at <http://www.med.unc.edu/mcp/banquet/>). As described in the newsletter, it will be a fun and busy event as we have many changes in section officers, we will be honoring our awardees, and our after-dinner speaker will be **Chip Montrose** from Univ Cincinnati who will be giving us his thoughts on *GI Distress and the Economic Stimulus Package*.

See you in New Orleans !!
Your section steering committee



Photo courtesy Alex Demyan and NewOrleansOnline.com

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1. WELCOME TO NEW GI and LIVER SECTION OFFICERS and FAREWELL TO OUTGOING CHAIR

In early 2009, we had elections for two councilors to join the Steering Committee of our section. We are delighted to announce **Bruno Hagenbuch** and **Lara Gawenis** as the new Councilors who will be serving our Section for the next three years. At the same time we are saddened that this year **Chris Cheeseman** will be stepping down as Section Chair, to be replaced by incoming chair **Chip Montrose**. Make sure to come to the Business Meeting and Banquet to meet all the new officers of your section and to watch Chris wash away his sorrows during the toasts at the Banquet.

In July 2009, we will also have a transition that brings **Kay Lund in as the new Editor-in-Chief for the American Journal of Physiology: GI and Liver Physiology**. Chip Montrose is the outgoing editor, serving since 2003. Kay will also be an ex-officio member of the GI and Liver Section Steering Committee.

2. CONGRATULATIONS TO GI SECTION AWARDEES

The section had a large and outstanding pool of applicants for awards this year, and due to the generosity of Takeda Pharmaceutical in supporting awards for our young researchers, the GI section was able to recognize the excellent work of many young scientists. Awards will be presented at the GI Banquet, so make sure to come and congratulate the winners!

We are delighted to name the winners of **2009 GI Section Trainee Awards**, based on grading of abstracts submitted to the EB2009 meeting by our section steering committee. Congratulations to all those listed below on their fine work!

DANIEL OLIVER KECHELE
KATHRYN HAMILTON
MEGAN JAMES
JESSICA OTIS
MITZI DUNAGAN
LE SHEN
VERONIQUE DOUARD
MELANIE GAREAU

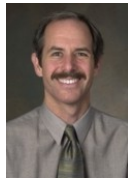
3. GI/L SECTION BUSINESS MEETING AND BANQUET



Who better to serve up a terrific meal than those gustatory moguls of the APS Gastrointestinal & Liver Section? This year, we venture to The Court of Two Sisters for an evening to enjoy with your colleagues. Chris Cheeseman (our section chair) will keep the business meeting brief and the award ceremonies exciting. The capstone experience will be an entertaining and topical after-dinner speech from Chip Montrose, recipient of last year's Takeda Distinguished Research Award. All this within walking distance of the convention center and at a discounted price—thanks to the generosity of Takeda Pharmaceutical.

Location •

The Court of Two Sisters
613 Royal Street
New Orleans, LA
Tel 504.522.7261



• After Dinner

Marshall ("Chip") H Montrose, PhD
University of Cincinnati
2008 Takeda Distinguished Researcher of the APS GI&L Section
"GI Distress and the Economic Stimulus Package"

Tickets •

\$50 Faculty / Guest
\$25 Trainees (Students / Postdocs / Fellows)
\$20 GI&L Section Award Applicants
Cash bar • Wine included with dinner



• Menu

Creole Seafood Gumbo

•

Court of Two Sisters Dinner Salad
seasonal greens • red onions • Creole French dressing • tasso • pecans • chopped eggs

•

Char-Broiled Tenderloin of Beef
marchand de vin sauce • béarnaise sauce • bouquetière of vegetables
or Corn-Fried Des Allemands Catfish
jumbo lump crabmeat • nappa slaw • green onion • cayenne tartare sauce
or Vegetarian/Dietary Restriction Options
we will contact you to discuss your needs

•

Courtyard Bread Pudding
whiskey sauce

**Purchase tickets by Friday 3 April (very limited tickets on sale after this date!!!)
by visiting www.med.uc.edu/mcp/banquet**

4. NEW TRAINEE POSTER SYMPOSIUM AND AWARDS

We are introducing a special **GIL Trainee Poster Symposium** to showcase the work of our trainees! The symposium will bring together undergraduates, graduates, and postdoctoral fellows and encourage interactions between trainees and experts in the field of gastrointestinal research. Included in this symposium is a competition for extra monetary awards for our trainees. Please plan on coming to the symposium to support our trainees! Details are below...

GIL Trainee Poster Symposium

Monday, 4/20/09

Grand Ballroom A, Hilton New Orleans Riverside

5:45-6:15 p.m. – Social gathering, networking

6:15-7:45 p.m. – Poster session, judging

All trainees presenting in this symposium are eligible to receive the new **GIL Predoctoral and Postdoctoral Poster Awards**. These awards (\$500 each) are designed to recognize a predoctoral (undergraduate or graduate) trainee and a postdoctoral trainee who are engaged in gastrointestinal and liver research. The final decision of awards will be based on the quality of research, a 3 min oral presentation of the poster by the applicant, and the responses of the applicant to a few minutes of questions. Awardees will be recognized at the EB09 GIL Section Banquet and Business Meeting, to be held April 21, 2009.

5. FROM THE LIAISON WITH INDUSTRY COMMITTEE

Shaila Basavappa

The APS LWIC is sponsoring a Symposium at EB09 entitled "**Molecular Imaging of Physiological Processes in Drug Discovery**" on **Tuesday, April 21 from 10:30am – 12:30pm**. Molecular imaging unites molecular biology and *in vivo* imaging, and enables the visualization of cellular functions and molecular processes in living organisms without perturbing them. This rapidly evolving field has applicability to drug discovery ranging from obtaining global views of target tissues and drug actions, to target identification and localization, as well as non-invasive imaging of pathophysiologic processes in a number of tissues and organ systems and the influences of novel and existing therapeutic agents on these processes. This symposium will review a) the key recent developments in molecular imaging and their impact on drug discovery, b) future perspective for the application of reporter animals for drug discovery, c) functional molecular imaging in translational research and d) advances made towards the potential clinical applications of molecular imaging in pathophysiological processes of cardiovascular disease. Attendees will gain an appreciation for the new and emerging applications of molecular imaging to drug discovery and pathophysiology.

In addition, the APS and LWIC are co-sponsoring a Translational Physiology Symposium entitled "**Fibrosis: Signalling, Physiology, and Therapies**" on **Monday, 20 April from 10:30am – 12:30pm**. Tissue fibrosis is associated with several end-stage organ diseases, including hepatic cirrhosis, cardiac diastolic dysfunction, and chronic kidney disease. In many cases correcting the underlying insult allows for recovery and regeneration of functional tissue. However, if left untreated, persistent insults lead to unchecked chronic wound healing and tissue fibrosis, greatly compromising organ function. This symposium will review a) the key signalling pathways associated with fibrosis in multiple tissues, b) epithelial-to-mesenchymal transition as a mechanism that promotes fibrogenesis in kidney and lung, c) the similarities and differences associated with current small molecule and biologic therapies, and d) the successes and challenges that fibrotic therapies are experiencing in the clinic. Attendees will gain an

appreciation for the translational nature of studying and treating fibrotic diseases. Look for the full program on-line at <http://www.the-aps.org/meetings/eb09/program.htm>.

9th Annual LWIC Mixer
Sunday, April 69, 7-9 PM
Marlborough A Room, Hilton New Orleans Riverside Hotel

You're invited! Come meet and eat with your fellow physiologists who are working in the corporate sector! Free Hors d'oeuvres will be available along with a cash bar – hope to see you there!

6. CALL FOR SYMPOSIUM AND FT PROPOSALS FOR EB2010

We REALLY need **symposium proposals** for EB 2010, complete with symposium speakers (see <http://www.the-aps.org/meetings/eb.htm> for information). Briefly, the APS- GI and Liver section will provide to the symposium organizer \$4000 for travel reimbursement, and complimentary registration for up to four speakers plus the organizer and the co-organizer. Please send your proposal (along with list of tentative speakers and talks) to our Programming Chair, Jamie Collins (jfcollins@ufl.edu).

We also need **proposals for Featured Topics (FT)** for EB 2010. These can have one or two invited speakers, and then short talks are recruited from the abstracts submitted to EB 2010. Here, the GI and Liver section provides to the FT organizer \$1000 for travel reimbursement, and complimentary registration for up to two speakers per FT. We plan to have two FTs for 2010.

7. GI AND LIVER SECTION SPONSORED EVENTS AT EB200



Davenport Distinguished Lecturer of the GI and Liver Section
Tuesday 4/21/09, 2-3 PM, Room 243

***Postnatal GI Development:
the Journey from Steroids to Stem Cells***

Susan J. Henning, Ph.D.
University of North Carolina

EB2009 SYMPOSIA

Natriuretic Peptides in the Gastrointestinal System

Wednesday, 10:30-12:30 , Room 235/236

Speakers: William R. Gower, Jr., John R. Dietz, Srinivasa M Karnam, Liliana G. Bianciotti

Organizers: William R. Gower, Jr., John R. Dietz,

Approaches to bridge the gap between-omics and physiology

Sunday, 10:30 – 12:30, Room 235/236

Organizer: Albert A. deGraaf (*sponsored by Physiological Genomics*)

The world within – impact of the intestinal microbiota on whole body physiology and pathophysiology

Monday, 3:15-5:15pm, Room 243

Organizer: Kim E. Barrett (*sponsored by Journal of Physiology*)

EB2009 FEATURED TOPICS

Novel Mechanisms in Alcoholic and Nonalcoholic Fatty Liver Diseases

Monday, 10:30-12:30, Room 242

Featured Speakers: Anna Mae Diehl, Hidekazu Tsukamoto

Chair: Laura W. Schrum, Ian H. McKillop

Intestinal Luminal Antigens and Mucosal Defense Mechanisms

Tuesday, 8:00-10:00, Room 239

Featured Speakers: M. Cecilia Berin, Maria T. Abreu

Organizer: Declan F. McCole, M. Cecilia Berin

Breach of Epithelial Homeostasis in Gastrointestinal Cancer and Metastasis

Tuesday, 10:30-12:30, Room 239

Featured Speakers: Beth McConnell, Richard Bates

Organizer: R.K. Rao

8. EB2009 EVENTS FOR TRAINEES

The APS Trainee Advisory Committee is now on Facebook! I welcome you to join our group- you can find it by searching for "APS Trainees." We will be posting updates on trainee related issues, including information on awards, career planning, families and science, funding opportunities, laboratory management, mentoring, and science policy. Please help spread the word by telling other trainees, including undergraduates, about our page!

I encourage all of you to attend the **EB 2009 Symposium sponsored by the Trainee Advisory Committee, entitled "Mentoring Strategies: Beyond the Bench."** **Monday, 4/20 from 8-10:00 AM in Room 242** (Convention Center) This symposium will focus on laboratory management skills, including how to effectively communicate, supervise/mentor, and manage the diverse array of situations that can arise in a laboratory environment. Specifically, speakers will discuss the following topics: 1) the value of mentoring trainees and effective approaches to mentoring; 2) skills important for supervising employees in any leadership environment, i.e. academic, government, industry; 3) capitalizing on diverse personalities in the work environment; and 4) constructive approaches to conflict resolution.

You should check out these other trainee-related EB symposia:

Publishing 101: Do's and Don'ts of Publishing in APS Journals

Sunday, 4/19 from 10:30 AM-12:30 PM in Room 239

Rising and Surviving: Elucidating Tenure and Promotion in Multiple Career Paths

Monday, 4/20 from 5:45-7:45 PM in Room 239

Pathways to Leadership: Developing Critical Skills

Tuesday, 4/21 from 8-10:00 AM in Room 236

Please don't hesitate to contact me (Jessica Clark, clarkje@wustl.edu) if you have any questions, comments, or concerns regarding trainees in APS. I look forward to seeing you all at EB in New Orleans!

Physiology Understanding (PhUn) Week Training Session

Interested in reaching out to your local K-12 schools? Ever consider bringing your lab group to do a "show and tell" in a classroom? Do you need resources and freebies to excite youth into research science and physiology? Want to have an impact on precollege students? If you said "yes" to any of these questions, join us for a continental breakfast at the Physiology Understanding Week Training session at EB 2009 on Sunday, April 19, 9-11 AM at the Hilton New Orleans Riverside, Grand Salon 15. Send an email to: phunweek@the-aps.org to RSVP your spot and for a chance to win a promotional PhUn Week gift. Preview www.PhUnWeek.org and get ready to have some fun!

9. SECTION GOVERNANCE

Chair

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