



American Physiological Society
Gastrointestinal/Liver Section Newsletter
Fall 2006 *Right on top of the abstract deadline !!*



Hello to all members of the Liver and GI section of APS. This newsletter, as you will see, contains some very important information pertaining to awards for students, postdocs and new investigators. I would encourage as many submissions for these as possible to maintain the very high level of achievement these awards all represent. You should all be preparing your abstracts for EB 2007 in Washington, if you have not already done so. Last year's meeting in San Francisco was a great success with Ron Ferraris' program committee again having put together an excellent set of featured topics and symposia. This coming year (2007) we have another exciting program for EB with a symposium on "*Frontiers in the Cellular and Molecular Physiology of the Hepatic Microcirculation*" along with three featured topics:

Growth Factors, Proliferation and Differentiation in the Gastrointestinal System, Roles of Intestinal Epithelia and Bacteria in Inflammatory Disease, and Disorders of the Enteric Nervous System. Also, there is an additional symposium organized by the History section on "*Understanding the role of the Pancreas in Digestion: Placing Current Understanding in a Historical Perspective*". We need your abstracts to support this ambitious program so that we can all get together to discuss and critique each others work.

I am also very pleased to announce that **Mark Donowitz** will be our 2007 Davenport lecturer, a prestigious award recognizing his outstanding work. We are also organizing our second annual combined section dinner and business meeting at which we will present our award winners and take time to mix and relax. Last year this was the "must attend" event where Ernie Wright gave a wonderful after dinner talk on his scientific career. Next year's dinner promises to just as good and I invite you all to attend. So make sure that you have **April 28-May 2, 2007** blocked off on your calendars for Washington and I look forward to personally seeing you all there.

Finally, I must thank the other members of our section governance group for putting together this wonderful meeting. This a very active section to which all of you contribute. In that vein, we continue to welcome and encourage input from section members on ideas for future symposia, improvements to our section activities, and individuals who would like to join in section governance.

Chris Cheeseman, Section Chair

WHAT IS NEW AND URGENT?

- **OUR APS-SPONSORED NEW INVESTIGATOR AWARD HAS AN NOV 8 DEADLINE, SAME AS THE ABSTRACT DEADLINE!!!**
- **ALL OTHER GI SECTION AWARD DEADLINES ARE JAN 15, 2007**
- **OUR AWARD PROGRAM, AND THE BANQUET NOW HAVE GENEROUS SUPPORT FROM *TAKEDA PHARMACEUTICAL***

NEWSLETTER OVERVIEW

1. GI Section Awards
2. Major Events At EB2007
3. Submit Your Abstracts
4. From the Liason with Industry Committee
5. Help us Plan for EB2008
6. Join An APS Committee
7. GI Section Banquet
8. GI Section Governance group

1. GI SECTION AWARDS FOR EB 2007

New Gastrointestinal and Liver Physiology Section Awards

Awards for the GIL Section have been expanded, and are now generously underwritten by Takeda Pharmaceutical. We are extremely grateful to Takeda for supporting the development and recognition of young scientists in GI and Liver research.

Our awards are described on the following page. A full description of the awards with links to the application page can be found on the APS web site (<http://www.the-aps.org/meetings/eb07/awards/gi.htm>). Trainees at all levels and junior faculty are encouraged to apply for abstract-based awards for the work submitted to EB2007 (see below). In addition there are awards for research achievement to recognize outstanding investigators at various points in their careers. Note that the deadline for receipt of GI section award applications is January 15, 2007, with the exception of the New Investigator Award, which is due November 8, 2006. We also are encouraging applications to the Novel Disease Model Award, which has a Jan 2 deadline. Questions should be directed to the GIL Awards Coordinator Linda Samuelson (lcsam@umich.edu).

Abstract-Based Awards for EB2007:

Takeda Research Recognition Awards provide travel support and recognition to trainees and junior faculty engaged in gastrointestinal and liver research. The awards are based on competitive appraisal of abstracts submitted to EB2007. Separate awards will recognize undergraduate students, doctoral/medical students, fellows in the first five years of postdoctoral or medical residency training, and junior faculty within 10 years of having received a higher degree. The final distribution of awards among these categories will depend on the quality and number of applicants. The applicant must be first author on the submitted abstract and either the applicant or sponsor (in the case of trainee awards) must be a member of APS. All application materials must be submitted online by **January 15, 2007**.

The **Liaison with Industry Committee Novel Disease Model Award** (\$500/graduate student; \$800 postdoctoral fellow) is not a sectional award, but recognizes the graduate student and postdoctoral fellow submitting the best abstracts describing a novel disease model. The model can be cellular or in vivo but should clearly emphasize the potential utility of the system for future research related to a disease process. Applicants must send a copy of the submitted abstract accompanied by the signed and completed Award Certification Form to: Linda Allen, Meetings Department, American Physiological Society, 9650 Rockville Pike, Bethesda, MD 20814-3991; fax: 301-634-7241; email: lallen@the-aps.org to arrive before **January 2, 2007**.

Distinguished Scientist Awards:

New Investigator Award recognizes an outstanding investigator in the early stages of his/her career. Candidates will be judged on their publications, how the publications relate to the GIL Section and evidence for independence and promise. Although this is not an abstract-based award, awardees are expected to attend EB and make a presentation. The candidate must be an APS member in good standing. Candidates must provide a CV, 2 nomination letters from APS members, and 3 reprints. All application materials must be submitted online by **November 8, 2006**.

Takeda Distinguished Research Award recognizes an outstanding investigator who is internationally recognized for contributions to research areas represented by the GIL Section. Candidates are judged on their publications and the content of nomination letters. Candidates can be nominated by APS members or can self-nominate. This is not an abstract-based award but the awardee is expected to attend EB where the award is presented. All application materials must be submitted online by **January 15, 2007**.

The APS Horace W. Davenport Distinguished Lectureship recognizes distinguished lifetime achievement in gastrointestinal and liver physiological research, including accomplishments in research, teaching, training and activities within the APS. The ideal candidate will have made contributions whose implications extend beyond the boundaries of gastrointestinal and liver research interests. The Gastrointestinal & Liver Physiology Section Steering Committee chooses the recipient of this award. Awardees will deliver an honorary award lecture at EB. Nominators must provide the candidate's CV and a letter summarizing the candidate's qualifications. All application materials must be submitted online by **January 15, 2007**. Questions should be directed to Chris Cheeseman, Section Chair, at: ccheesem@med.ualberta.ca.

2. MAJOR EVENTS AT EB2007

SPONSORED BY GASTROINTESTINAL AND LIVER SECTION OF APS



Davenport Distinguished Lecturer of the Gastrointestinal and Liver Section

Tuesday 5/1/07 3:15 PM-4:15 PM, Room 146B

Mark Donowitz, MD
Johns Hopkins University

SYMPOSIA

Frontiers in the Cellular and Molecular Physiology of the Hepatic Microcirculation

Organizer: Robert W. Brock and Alison Fox-Robichaud

Room 147B Monday 4/30/07, 8:00-10:00 AM

ASSOCIATED POSTER SESSION: 1143-APS

Understanding the role of the Pancreas in Digestion: Placing Current Understanding in a Historical Perspective (*Sponsored by the History of Physiology Section*)

Organizers: John Williams and Joel Adelson

Room 147A Monday 4/30/07 10:30 AM-12:30 PM

ASSOCIATED POSTER SESSION: 1149-APS

FEATURED TOPICS *

Growth Factors, Proliferation and Differentiation in the Gastrointestinal System

Organizer: Yana Zavros

Room 147B Sunday 4/29/07 10:30 AM-12:30 PM

ASSOCIATED POSTER SESSION: 1133-APS (*described on next page*)

Roles of Intestinal Epithelia and Bacteria in Inflammatory Disease

Organizer: Jerrold R. Turner

Room 154B Monday 4/30/07, 3:15-5:15 PM

ASSOCIATED POSTER SESSION: 1134-APS (*described on next page*)

Disorders of the Enteric Nervous System

Organizer: Shanthi Srinivasan

Room 154B Tuesday 5/1/07, 10:30 AM-12:30 PM

ASSOCIATED POSTER SESSION: 1132-APS (*described on next page*)

* Featured topics are similar to *minisymposia* in that they are pre-formed (prior to the mailing of the Call for Papers) oral sessions including a session title, chairperson and not more than two *featured presenters*. Featured presenters, or invited speakers, may present work not represented by a submitted abstract. All other presentations are selected from the submitted abstracts. Abstract authors choose the preferred *featured topic* category from the call for papers as an indication that they are willing to present their research in both an oral and poster format.

3. SUBMIT YOUR ABSTRACTS FOR EB 2007 !

Descriptors for abstract submission to our section were updated. Please note that the first three descriptors are linked to the topics of our upcoming symposia and featured topics at the meeting. Select any of these descriptors and support your section! Select one of the first 3 and get increased exposure thru a chance to give an oral presentation or be part of a focused poster session related to the symposium.

| | |
|-----------------|--|
| 1132-APS | Disorders of the enteric nervous system (S. Srinivasan) |
| 1133-APS | Growth factors, proliferation and differentiation in the gastrointestinal system (Y. Zavros) |
| 1134-APS | Roles of intestinal epithelia and bacteria in inflammatory disease (J.R. Turner) |
| POSTERS: | |
| 1135-APS | Cellular differentiation, adaptation and tissue development |
| 1136-APS | Epithelial microbial interactions |
| 1137-APS | Gastric inflammation |
| 1138-APS | Gastric physiology and pathophysiology |
| 1139-APS | Gastrointestinal pathophysiology |
| 1140-APS | Genomics and proteomics of GI systems |
| 1141-APS | GI hormones, peptides and receptors |
| 1142-APS | Growth factors and stem cells |
| 1143-APS | Hepatic microcirculation |
| 1144-APS | Liver physiology and pathophysiology |
| 1145-APS | Metal ion transport |
| 1146-APS | Neuroregulation and motility |
| 1147-APS | Nutrient and electrolyte absorption |
| 1148-APS | Nutrient metabolism in the liver |
| 1149-APS | Pancreatic physiology and pathophysiology |
| 1150-APS | Water and electrolyte secretion |

4. FROM THE APS LIAISON WITH INDUSTRY COMMITTEE

Shaila Basavappa

The APS Liaison With Industry Committee (LWIC) is sponsoring two Symposia at EB2007 that emphasize the aspects of drug discovery that are interesting for researchers in both academic and industry settings.

"Stem Cells in Physiology and Drug Discovery"

Sunday, April 29, 10:30 – 12:30.

This symposium will describe the latest research on stem cells expansion, use of stem cells in target identification and understanding of signaling pathways, as well as its use in Neurodegeneration diseases.

"Drug Discovery Efforts for Pain Indications: Ion Channels and GPCRs"

Tuesday, May 1st, 8:00 – 10:00 AM.

This Translational Symposium will describe novel ion channel and GPCR targets for treating chronic pain. The mechanistic rationale for the target as well as the drug testing strategies to identify novel therapeutics will be discussed.

You're invited! Come meet and eat with your fellow physiologists who are working in the corporate sector. The 7th Annual Liaison With Industry Committee Mixer is on at EB2007. Look for details in the Spring newsletter.

5. DO YOU HAVE A HOT RESEARCH TOPIC YOU WOULD LIKE TO SEE HIGHLIGHTED NEXT YEAR?

Members of the GI and Liver Section are invited to submit potential symposium topics for Experimental Biology 2008 in San Diego, CA. If you are interested in organizing a symposium or featured topic, or would like to nominate a colleague to do so, please contact Ron Ferraris (ferraris@umdnj.edu).

6. JOIN AN APS COMMITTEE AND HELP STEER OUR SECTION AND SOCIETY!

Gastrointestinal and Liver Section Members are needed to serve on APS committees. This is a great way to participate in the governance of APS and to enrich the EB experience. Information about APS Committees, the nomination process, and forms can be obtained at <http://www.the-aps.org/committees/index.htm>. Contact Linda Samuelson (GIL Committee on Committee Representative) if you are interested in serving to learn more about specific committees and the nomination process.

There are also opportunities to participate in GIL Section governance. Please contact any one of your section representatives to let us know you are interested in service.

Nomination Process: Deadline January 15, 2007

Submit a Candidate Information Form and arrange for a colleague to submit an Endorsement Form on your behalf. Email forms to: nominations@the-aps.org and lcsam@umich.edu.

Committee vacancies starting January 1, 2008.

| | Open Positions |
|---|-----------------------|
| Animal Care & Experimentation Committee | 2 |
| Awards Committee | Chair, 3 |
| Career Opportunities in Physiology Committee | 2 |
| Communications Committee | 1 |
| Ray G. Daggs Committee | 2 |
| Education Committee | 3 |
| Finance Committee | 2 |
| International Physiology Committee | Chair, 2 |
| Long Range Planning Committee | 3 |
| Membership Committee | Chair, 2 |
| Perkins Memorial Fellowship Committee | Chair, 2 |
| Porter Physiology Development Committee | Chair, 3 |
| Public Affairs Committee | 2 |
| Publications Committee | 2 |
| Senior Physiologists | 2 |
| Women in Physiology Committee | Chair, 2 |
| FASEB Committees | |
| Experimental Biology Board | 1 |
| Finance Committee | 1 |
| Representatives To Other Organizations | |
| AAMC | 1 |

7. GI SECTION BANQUET

Did you miss last year's banquet at Lulu's restaurant? We had a sold out crowd of your colleagues, great food and drink, and a topical discussion during dessert from Ernie Wright about absorbing sweet nutrients. We even managed to squeeze in a short business meeting for the section!

Based on the huge success of the last banquet, we are planning another this year. We are happy to announce that this year the banquet is being generously supported by **Takeda Pharmaceutical**. Mark Clemens is planning the venue for this coming year, so plan on hearing more about this fun event in the coming months as we prepare for EB2007.



8. SECTION GOVERNANCE

Chair and Section Advisory Committee Representative

Christopher I. Cheeseman, Ph.D.
Department of Physiology, University Alberta, 7-22 medical Sciences Bldg, Edmonton, AB T6G
2H7 Canada
Phone: 403-432-2620
Fax: 403-492-8915
Email: chris.cheeseman@ualberta.ca
Term ends: 2009

Secretary/Treasurer

ex officio AJP:Gastrointestinal & Liver Physiology Editor

Marshall H. (Chip) Montrose, Ph.D.
Department of Molecular and Cellular Physiology, University of Cincinnati, 231 Albert Sabin Way,
Cincinnati, OH 45267
Phone: 531-558-5636
Fax: 513-558-5738
Email: mhm@uc.edu
Term ends: 2009

Past Chair

Matthew B. Grisham, Ph.D.
Department of Molecular and Cellular Physiology, Louisiana State University Health Science
Center, 1501 Kings Highway, Shreveport, LA 71130
Phone: 318-675-6021
Fax: 413-280-9325
Email: mgrish@lsuhsc.edu
Term ends: 2008

Joint Program Committee Representative

Ron Ferraris, Ph.D.
Department of Pharmacology and Physiology, UMDNJ-New Jersey Medical School, 185 Orange
Ave, MSB H621, Newark NJ 07103-2714
Phone: 973-972-4519
Fax: 973-972-7950
Email: Ferraris@umdnj.edu
Term ends: 2008

Councilor

Jerrold (Jerry) Turner, Ph.D.
University of Chicago, Department of Pathology, 5841 South Maryland Avenue, MC-1089,
Chicago, IL 60637
Phone: 773-702-2433
Fax: 773-834-5251
Email: jturner@bsd.uchicago.edu
Term ends: 2009

Councilor

Deborah C. Rubin, M.D.
IM-Gastroenterology, Washington University School of Medicine, 660 S. Euclid Avenue, Box
8124, St. Louis, MO 63110
Phone: 314-362-8951
Fax: 314-362-8959
Email: drubin@im.wustl.edu
Term ends: 2007

Councilor

John R. Grinder, Ph.D.
Department of Physiology, Medical College of Virginia, VCM Box 980551, Richmond, VA 23298
Phone: 804-828-1853
Fax: 804-828-2500
Email: jgrider@hsc.vcu.edu
Term ends: 2007

Councilor/ Banquet Coordinator

Mark Clemens, Ph.D.
Department of Biology
University of North Carolina at Charlotte, 9201 University City Blvd., Charlotte NC 28201
Phone: 704 687-8682
Fax: 704 687-3128
Email: mgclemen@email.uncc.edu
Term ends: 2008

Liaison with Industry Committee Representative

Shaila Basavappa, Ph.D.
Medical and Scientific Affairs
Takeda Pharmaceutical America Inc., One Takeda Parkway, Deerfield IL 60015
Phone: 877-202-2721; ext. 16134
Fax: 585-482-2237
Email: sbasavappa@tpna.com
Term ends: 2009

Awards Coordinator / Committee on Committees Representative

Linda C. Samuelson, Ph.D.
Department of Physiology, University of Michigan, 7761 Medical Science Building II, Ann Arbor,
MI 48109-0622
Phone: 734-764-9448
Fax: 734-936-8813
Email: lcsam@umich.edu
Term ends: 2007