



NGM 2009

Neurogastroenterology
and Motility 2009 Joint
International Meeting

August 27 – 30, 2009

Hilton Chicago
Chicago, Illinois

Final Announcement
&
Call for Abstracts

Abstract Deadline
March 4, 2009

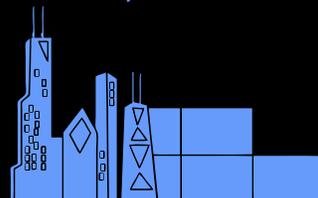
www.fbgweb.org

Host

Functional Brain–Gut Research Group

Joint sponsors

American Neurogastroenterology and Motility Society
European Society of Neurogastroenterology and Motility
Functional Brain–Gut Research Group
International Neurogastroenterology and Motility Group
and
Center for Continuing Education
Tulane University Health Sciences Center





Host of NGM 2009



Functional Brain–Gut Research Group

Steering Committee

Emeran Mayer, *Chair*
Fernando Azpiroz
Ashley Blackshaw
Michael Camilleri
Lin Chang
Roberto Dantas
Gianrico Farrugia
G. Richard Locke
Henry Parkman
Michael Schemann
Vincenzo Stanghellini

Program Selection and Scientific Committee

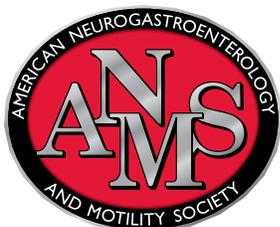
Emeran Mayer, *Chair*
Ian Cook
Beverley Greenwood-Van Meerveld
Brian Lacy
Gary Mawe
Nancy Norton
Satish Rao
Michael Schemann
Max Schmulson
Keith Sharkey
Andre Smout

Local Organizing Committee

G. Richard Locke, *Co-chair*
Lin Chang, *Co-chair*
Enrico Corazziari
Michael Crowell
Lori Ennis
Lesley Houghton
Michael Jones
Rona Levy
Nancy Norton
Yehuda Ringel
Max Schmulson
Magnus Simrén
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John Bryant Wyman

Tulane Liaison

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American Neurogastroenterology and Motility Society



International Neurogastroenterology and Motility Group



European Society of Neurogastroenterology and Motility



Center for Continuing Education Tulane University Health Sciences Center





Welcome

On behalf of the Functional Brain-Gut Research Group, the American Neurogastroenterology and Motility Society, the European Society of Neurogastroenterology and Motility, the International Group for the Study of Neurogastroenterology and Motility, and the International Foundation for Functional Gastrointestinal Disorders, we wish to invite you to participate in our Joint International Neurogastroenterology and Motility meeting to be held August 27–30, 2009 in Chicago, Illinois. As the accompanying program shows, the topics and speakers for this meeting will discuss cutting-edge research that focuses on disease mechanisms, diagnosis, and treatment of disorders involving gastrointestinal neuromuscular function. Particular attention has been placed on the rapidly developing field of research that focuses on brain-gut interactions. This meeting will set the stage to improve our understanding of the physiology and pathophysiology of neuromuscular behavior in the gastrointestinal tract and the brain-gut axis. We hope you will consider attending NGM 2009. We look forward to seeing you in Chicago and sharing in this exciting event.

Emeran A. Mayer, President, FBG; Chair, Steering Committee; Chair, Program Selection and Scientific Committee
G. Richard Locke, Past President, FBG; Co-chair, Local Organizing Committee
Lin Chang, President-elect, FBG; Co-chair, Local Organizing Committee

Important Deadlines

Abstracts Due: March 4, 2009

Preregistration – fee discount before June 15, 2009

Registration: July 15, 2009

Hotel Reservation: July 15, 2009, 12 midnight CST

Young Investigator Travel Awards

A limited number of travel awards will be provided to those persons submitting abstracts. These awards will help defray the costs of attending the meeting. Applicants need to be less than five years from obtaining their degree. Both basic science and clinical investigators will be eligible, including undergraduate and graduate students, postdoctoral fellows, and junior faculty in the early stages of an independent career. Award criteria will be based on career status and the scientific quality of the applicant's abstract. Please check the box on the on-line submission form indicating that you wish to be considered for a Young Investigator Travel Award. Please note, registrants may receive only one travel award for this meeting.

Statement of Need

Functional gastrointestinal and motility disorders are prevalent conditions diagnosed in both children and adults, and include esophageal motility disorders, irritable bowel syndrome (IBS), functional dyspepsia, chronic constipation, and chronic abdominal pain. Most, but not all, of these disorders are more prevalent in females. Although these are common disorders, the underlying pathophysiologic mechanisms are not well understood and there is a need for more effective treatment. While these conditions are thought to be multifactorial in origin, alterations in brain-gut interactions are thought to be a key underlying pathophysiologic mechanism. Multiple factors such as genetic predisposition, prior gastroenteric infection, psychological symptoms, and learned illness behaviors can contribute to the development and clinical presentation of these syndromes. An update of these current concepts in the increased vulnerability and development of functional gastrointestinal and motility disorders will be reviewed. In addition, the diagnosis using state-of-the-art techniques and management of these conditions in children and adults using an integrated, comprehensive medicine approach will be discussed.

Registration Fees

Member of Participating Societies

\$450 *before* June 15, 2009

\$575 *after* June 15, 2009

\$700 On-site

Nonmember

\$550 *before* June 15, 2009

\$675 *after* June 15, 2009

\$800 On-site

Resident, Post-Doctoral Fellow, Trainee

\$200 *before* June 15, 2009

\$300 *after* June 15, 2009

\$400 On-site

Nurse, Allied Health

\$250 *before* June 15, 2009

\$350 *after* June 15, 2009

\$450 On-site

Accompanying Person (includes banquet)

\$150 each

One Day Registration

\$400



Intended Audience

Primarily, gastroenterologists but also psychiatrists and other clinicians; physicians in training such as gastroenterology fellows, biochemists, molecular and cell biologists, physiologists, neuro-physiologists, immunologists, pharmacologists, and behavioral psychologists, doctoral level researchers and nurses.

Meeting Objectives

At the conclusion of this educational activity, the participants should be better able to:

- discuss with colleagues at medical educational and research forums the most up-to-date and relevant basic science, translational and clinical research findings in the field of neurogastroenterology and motility in order to apply this knowledge to improving current or future research studies as well as medical care for patients with these disorders
- describe to colleagues and trainees in educational meetings the role of brain-gut communication and signaling in functional gastrointestinal and motility disorders and obesity
- discuss with colleagues and trainees in educational and research meetings the role of altered central mechanisms within the brain-gut axis in adult and pediatric functional gastrointestinal pain disorders to help improve the understanding of these conditions and improve patient management and outcome
- discuss with colleagues and trainees in educational and research meetings the current concepts of peripheral dysregulations within the gastrointestinal tract including the enteric nervous system which are relevant to lower gastrointestinal disorders to help improve the understanding of these conditions and improve patient management and outcome
- review with clinicians at teaching conferences the diagnostic criteria and outcome measures used in clinical treatment trials in order to understand the applicability to clinical practice
- apply the new diagnostic approaches for gastrointestinal motility disorders to their patient care
- describe to patients and apply to patient care the knowledge of the nonpharmacologic and pharmacologic treatment approaches in managing upper and lower functional gastrointestinal and motility disorders in order to improve health related outcomes for patients.

Accreditation Statement

This activity has been planned and implemented in accordance with the Essentials and Standards of the Accreditation Council for Continuing Medical Education through the joint sponsorship of Tulane University Health Sciences Center and the Functional Brain-Gut Group. Tulane University Health Sciences Center is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Designation

Tulane University Health Sciences Center designates this educational activity for a maximum of 17.25 *AMA PRA Category 1 Credits™*. Each physician should claim only those hours of credit that he/she actually spent in the educational activity.

Tulane University Health Sciences Center presents this activity for educational purposes only and does not endorse any product, content of presentation or exhibit. Participants are expected to use their own expertise and judgment while engaged in the practice of medicine. The content of the presentations is provided solely by presenters, who have been selected because of their recognized expertise.

Procedure for CME Credit

To receive the appropriate number of CME credits, it is important to do the following:

- On your arrival, pick up your verification form at the Registration Desk.
- On your departure, turn in your completed verification form at the Registration Desk.

A listing of the number of credits available each day will be included with the verification form. Program hours that run simultaneously or overlap are not included in the total credits available each day.

Disclosure

It is the policy of the Center for Continuing Education at Tulane University Health Sciences Center to plan and implement all of its educational activities in accordance with the ACCME's Essential Areas and Policies to ensure balance, independence, objectivity and scientific rigor. In accordance with the ACCME's Standards for Commercial Support, everyone who is in a position to control the content of an educational activity certified for *AMA PRA Category 1 Credit™* is required to disclose all relevant financial relationships with any commercial interests within the past 12 months that create a real or apparent conflict of interest. Individuals who do not disclose are disqualified from participating in a CME activity. Individuals with potential for influence or control of CME content include planners and planning committee members, authors, teachers, educational activity directors, educational partners, and others who participate, e.g. facilitators and moderators. This disclosure pertains to relationships with pharmaceutical companies, biomedical device manufacturers or other corporations whose products or services are related to the subject matter of the presentation topic. Any real or apparent conflicts of interest related to the content of the presentations must be resolved prior to the educational activity. Disclosure of off-label, experimental or investigational use of drugs or devices must also be made known to the audience.

Employees of commercial interests (pharmaceutical, biotech, and medical device companies) can not participate as speakers, moderators, abstract authors (whether or not presenting), or in other roles that influence content for a session that is certified for CME credit.





Program At-A-Glance

Thursday August 27	Friday August 28	Saturday August 29	Sunday August 30
<p>1:00 pm – 6:00 pm Registration</p> <p>3:30 pm – 5:30 pm Welcome and Concurrent Sessions</p> <p>Session I Do the symptom-based criteria of IBS lead to better diagnosis and treatment outcomes?</p> <p>Session II Roles of ICCs in Gastrointestinal Motility</p>	<p>7:30 am – 5:00 pm Registration</p> <p>8:00 am – 10:00 am Plenary Session I Chagas Disease Memorial Symposium: Enteric Neuropathies</p> <p>10:30 am – 12:30 pm Concurrent Sessions</p> <p>Session I New diagnostics in GI motility</p> <p>Session II Intestinal microflora and neuromuscular function <i>(cosponsored by IFFGD)</i></p> <p>12:30 pm – 1:30 pm ESNM Steering Committee</p> <p>12:30 pm – 1:30 pm Lunch</p> <p>1:30 pm – 3:30 pm Concurrent Sessions</p> <p>Session I Functional and Motility Disorders of the Esophagus</p> <p>Session II The Human Enteric Nervous System</p> <p>4:00 pm – 6:00 pm Concurrent Sessions</p> <p>Session I Mucosal Neuroimmune Interactions <i>(cosponsored by IFFGD)</i></p> <p>Session II Chronic Visceral Pain in Children</p> <p>Session III Inflammation in the Brain–Gut Axis</p> <p>6:00 pm – 7:30 pm Poster Session</p>	<p>7:30 am – 5:00 pm Registration</p> <p>7:00 am – 8:00 am All Society Committee Meeting</p> <p>8:00 am – 10:00 am Plenary Session II Nonpharmacologic Therapies for GI Disorders</p> <p>10:30 am – 12:00 pm Concurrent Sessions</p> <p>Session I Sex Differences in Neurogastroenterology and Motility</p> <p>Session II Colorectal Disorders</p> <p>Session III Enteroendocrine Signaling Within the Brain–Gut Axis</p> <p>12:00 pm – 12:30 pm ANMS Business Meeting</p> <p>12:00 pm – 1:00 pm Lunch</p> <p>1:00 pm – 4:00 pm Poster Session</p> <p>4:00 pm – 6:00 pm Satellite Symposium Noninvasive assessment of gastrointestinal function and emptying</p> <p>4:30 pm – 5:00 pm FBG Board Meeting</p>	<p>7:30 am – 12:00 pm Registration</p> <p>8:00 am – 11:50 am Plenary Session III</p> <p>8:00 am – 9:40 am Hot Topics in Neurogastroenterology & Motility</p> <p>10:00 am – 11:15 am Hot Topics in Translational Science: CRF1 receptor antagonist</p> <p>11:15 am – 11:45 am Roundtable Discussion</p> <p>11:45 am – 12:00 pm Closing Ceremony</p>
<p>5:30 pm – 7:00 pm Welcome Reception and Poster Session</p>	<p>Dinner on your own</p>	<p>7:00 pm – 9:00 pm Awards Banquet</p>	





Abstract Submission

The abstract deadline for the Neurogastroenterology & Motility 2009 Joint International Meeting is **March 4, 2009**. Abstracts received after the deadline will not be reviewed. Abstracts must be submitted electronically. Abstracts will be peer-reviewed and ranked on the basis of scientific merit by experts in the category selected. The Program Selection and Scientific Committee will use these rankings to develop the final meeting program. Abstracts selected for presentation will be published in *Neurogastroenterology and Motility*. It is a Continuing Medical Education (CME) policy that everyone participating in the meeting as a speaker, presenter, moderator, author, teacher, planner, etc. must complete a CME Disclosure Form. This form will appear on-line when you log in to submit your abstract. If you encounter problems with the electronic submission, please e-mail admin@med-pubinc.com or telephone (734) 699-1217.

Instructions for Authors

1. Type the abstract in 10 point Times New Roman. The title, authors, and affiliation must be included. Simple graphs and tables may be included if they fit within the template. The size of the template is 6.5 inches wide x 5.28 inches high (portrait mode). The page margins are top, right, and left 0.25 inches and bottom 0.29 inches. Total words: about 403. Total characters with spaces: about 2,837.
2. **Title:** The title should be brief, clearly indicating the nature of the study. Type in bold and sentence case.
3. **Authors:** State all authors' initials and last names only. Italicize the presenting author's name.
4. **Affiliation:** List institutional affiliations, city, and state, separated by a semicolon (;). The following symbols *, †, and ‡ may be used to denote more than one affiliation.

Example:

The joint international meeting will be held in Chicago, Illinois in 2009. GR Locke,* E Mayer.† *Mayo Clinic, Rochester, MN; †UCLA, Los Angeles, CA.

Step-by-Step Instructions for Electronic Submission

Abstracts must be submitted electronically. Go to the Functional Brain-Gut Research Group website at www.fbgweb.org.

1. Click on the link **2009 NGM Meeting**.
2. Click on the **Submit Abstract** link. On the screen that appears you must create a new account unless you have submitted an abstract to a previous meeting (ie, Boston 2006), in which case you may already have an account and may log on as an Existing User. Log in using your e-mail address and password. Once logged in, click on **Submit Abstract**. This will take you to **Continuing Medical Education Disclosure Form**. This is a **REQUIRED** document that must be completed in its entirety before proceeding. Fill out the form as instructed. Provide the information for each coauthor listed on the abstract as well as your own information. For each coauthor you must indicate how you received their information (ie., e-mail, phone, etc). Check the appropriate box. When the form is complete, click **Submit**. On the next screen you will see the message "Your CME information has been received successfully". You will also see a link to continue the abstract submission process.
3. Complete the **Submission Form**. Note, if you wish to present your abstract as a poster, choose the **Poster Only** option. On completion of this form continue to the next screen and complete the information on your coauthors. Note, abstract submission is on next screen.
4. There are two submission options: **1.** download the preformatted Microsoft Word template or **2.** upload an existing abstract document that meets the size requirements. Note, the title, authors, and

affiliation must be included in the uploaded abstract document.

5. If you use the preformatted Microsoft Word template, download the template to your hard drive, paste your abstract inside it, and save it. When you open this template, display it in the **Print Layout** mode (under **View**) to ensure that the correct formatting has been maintained. If you have already typed your abstract, you may copy and paste it into the template. **IMPORTANT:** Font must be 10 pt Times New Roman. The abstract must fit within the template on one page or it will be considered a nonsubmission. The template is 6.5 inches wide x 5.28 inches high (portrait mode). The margins are top, right, and left 0.25 inches and bottom 0.29 inches. **Your Microsoft Word document must be saved in Word 97–2003 for Windows (Word 98–2004 for Mac), otherwise it may not upload correctly.**
6. Click **Browse** to select the abstract document that you have created and click **Upload** to attach your abstract document to the submission. Please type Greek letters and mathematical symbols as you would in any Microsoft Word document. Special coding is not required, nor do they need to be spelled out.
7. You will receive the message "Your abstract has been successfully uploaded". Click the link to Continue. The next screen is a confirmation of what you have submitted. Review for accuracy and either go Back to make revisions or click Continue. When you click Continue, you will receive a message that your abstract submission form has been accepted. Print this page as a confirmation of your submission.

Previous Presentation of an Abstract

The principal author affirms that the material herein will not have been previously published as an article by August 27, 2009.

Conflict of Interest

If the research was partially or fully funded by a proprietary organization (e.g., a pharmaceutical or device manufacturer), a statement to that effect must be included at the bottom of the body of the abstract. For example: "This research was funded in part by"

Young Investigator Travel Awards

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Continuing Medical Education Disclosure

Due to the CME requirements, for every abstract submitted, the submitting author will be responsible for filling out a CME Disclosure Form on behalf of all coauthors listed on the abstract (on one form). Once you log in you will see the CME Disclosure Form and the questions that need to be answered on behalf of all coauthors and you will need to fill out the form accordingly.

Employees of commercial interests (pharmaceutical, biotech, and medical device companies) can not participate as speakers, moderators, abstract authors (whether or not presenting), or in other roles that influence content for a session that is certified for CME credit.



General Information and Meeting Venue

cultural • diverse • distinctive • dynamic • aesthetic • exciting
Chicago is a bustling, energetic city that never stops no matter the season. It's a destination with world-class cultural attractions, diverse neighborhoods, and architectural wonders. Chicago is known for critically acclaimed restaurants, world-famous museums, first-class shopping, adventurous nightlife, action-packed sporting events and a thriving theater scene. We look forward to welcoming you to Chicago in August!

Important Deadlines
Abstracts Due: March 4, 2009
Preregistration – fee discount before June 15, 2009
Registration: July 15, 2009
Hotel Reservation: July 15, 2009, 12 midnight CST

Meeting Registration

Save on the registration fee by registering *before June 15, 2009*. The registration deadline is **July 15, 2009**. Early registration is strongly advised. To register, go to the Functional Brain–Gut Research Research Group website www.fbgweb.org and register on-line, or complete the form on page 7 and fax or mail it to NGM 2009 meeting headquarters. The registration fee includes a comprehensive course syllabus, break refreshments, lunches, a welcome reception, and a banquet. Extra banquet tickets are available for an additional charge. The registration fees are listed in the next column.

Hotel Reservations

The host hotel is the **Hilton Chicago** located at 720 South Michigan Avenue, Chicago, IL 60605. The hotel must receive all reservations no later than **July 15, 2009 at 12 midnight CST**. Any reservation requests received after this date will be subject to hotel availability. The room rate is \$199.00 USD per night plus tax. Each room is furnished with two double beds or one king bed. Each room has two bathrooms. Check-in time is 3 pm and check-out time is 11 am. You may make reservations on-line at this web address: <http://www.hilton.com/en/hi/groups/personalized/CHICHHH-MNA-20090825/index.jhtml>. This link is also posted on the **NGM 2009** meeting page on the Functional Brain–Gut Research Group website www.fbgweb.org. Alternatively, you may call the hotel directly: toll-free number from U.S., Canada, Puerto Rico, and the U.S. Virgin Islands is 1-800-445-8667; international toll-free number is 800 44 45 86 67. The local phone number is 312-922-4400; the fax number is 312-922-5240.

The Hilton Chicago is a landmark hotel overlooking Grant Park, Lake Michigan, Millennium Park, and Museum Campus. It is the closest luxury hotel to the city's convention center while being only minutes from the loop business center, shopping, and theatre.



Photograph compliments of the Chicago Hilton

Registration Fees

Member of Participating Societies
\$450 *before* June 15, 2009
\$575 *after* June 15, 2009
\$700 On-site

Nonmember
\$550 *before* June 15, 2009
\$675 *after* June 15, 2009
\$800 On-site

Resident, Post-Doctoral Fellow, Trainee
\$200 *before* June 15, 2009
\$300 *after* June 15, 2009
\$400 On-site

Nurse, Allied Health
\$250 *before* June 15, 2009
\$350 *after* June 15, 2009
\$450 On-site

Accompanying Person (includes banquet)
\$150 each

One Day Registration
\$400



General Information and Meeting Venue

Air Travel Information

Domestic and international flights are available in and out of O'Hare International Airport. Midway Airport is another domestic option. Public transportation is available on the Chicago Transit Association (CTA) trains and bus. Limousine or taxi cabs are also an option.

Public Transportation to the Hilton Chicago

When taking public transportation to the Hilton Chicago from O'Hare International Airport: Take CTA BLUE LINE TRAIN (TO 54TH/CERMAK) to JACKSON/DEARBORN. Walk 0.6 miles southeast to the hotel at 720 SOUTH MICHIGAN AVE.

When taking public transportation to the Hilton Chicago from Midway Airport to the Hilton Chicago: Take CTA ORANGE LINE TRAIN to ROOSEVELT. Walk 0.5 mile north to the hotel at 720 SOUTH MICHIGAN AVE.

Typical minimum charges for transportation to and from O'Hare International Airport

CTA train: 2.00 USD
Bus service: 25.00 USD
Limousine: 70.00 USD
Taxi: 30.00 USD

Typical minimum charges for transportation to and from Chicago Midway Airport

CTA train: 2.00 USD
Bus service: 20.00 USD
Limousine: 70.00 USD
Taxi: 25.00 USD

Climate and Attire

The climate at this time of year is high 70° F to 80° F during the day and low 70° F in the evening. It is suggested that you bring a jacket and/or sweater for the evening. Attire is meeting casual.

Programs for Spouses and Children

Tours and child care may be arranged with the hotel concierge.



Aerial view of Millennium Park • Opening Weekend 2004 • City of Chicago/Peter J. Schulz

Chicago attractions near the Hilton Chicago

- Millennium Park
- Buckingham Fountain
- Shedd Aquarium
- Field Museum
- Soldier Field, home of the Chicago Bears
- Adler Planetarium
- Charter One Pavilion at Northerly Island
- Sears Tower
- Art Institute of Chicago
- Theatre District
- Spertus Institute of Jewish Studies
- Shopping the Magnificent Mile on Michigan Avenue
- Navy Pier
- John Hancock Observatory
- Chicago Water Tower
- United Center, home of the Chicago Bulls and the Chicago Blackhawks

More Chicago area attractions further from the Hilton Chicago

- Wrigley Field, home of the Chicago Cubs
- Museum of Science and Industry
- U.S. Cellular Field, home of the Chicago White Sox
- Lincoln Park Zoo
- Peggy Notebaert Nature Museum
- Brookfield Zoo
- Chicago Botanic Garden



Meeting Registration Form

Register by July 15, 2009 • Note: Preregistration discount before June 15, 2009

1 Registration Options

• **On-line** (preferred method)

www.fbgweb.org

Click on the link **2009 Joint Meeting**

• **Fax or Mail**

MedPub Inc – NGM 2009
45685 Harmony Lane
Belleville, MI 48111 United States
Fax: (734) 699-1136

2 Personal Information *(Please print)*

Name _____ Degree/Credentials _____

Specialty _____ Institution _____

Address _____

_____ City _____

State/Province _____ Zip/Postal Code _____ Country _____

International Telephone Country Code _____ City Code _____ Phone _____ Fax _____

E-mail address (required) _____

I have special needs *(Please specify)* _____

Date Arriving _____ Date Departing _____

3 Course Registration

The **Welcome Reception** and the **Banquet** are complimentary for registered course attendees. There is a \$150 charge for each additional guest for the banquet on Saturday night.

Welcome Reception • Thursday, August 27, 2009, 5:30 pm

Attending Not Attending

Banquet • Saturday, August 29, 2009, 7:00 pm

Attending Not Attending Extra tickets _____ Number

4 Payment *(Please check)*

Registration Fees

Member of Participating Societies

\$450 before June 15, 2009

\$575 after June 15, 2009

\$700 On-site

Nonmember

\$550 before June 15, 2009

\$675 after June 15, 2009

\$800 On-site

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\$200 before June 15, 2009

\$300 after June 15, 2009

\$400 On-site

Nurse, Allied Health

\$250 before June 15, 2009

\$350 after June 15, 2009

\$450 On-site

Accompanying Person (includes banquet)

\$150 each

One Day Registration

\$400 each

Please pay by Amex, Visa, MasterCard, or check (US bank only).

Checks are payable to the Functional Brain–Gut Research Group.

Amex Visa MasterCard Check (US bank only)

Cardholder Name _____

Billing Address for Credit Card

_____ street address

_____ / _____ / _____ / _____
city state zip country

Credit Card Number _____

Expiration Date _____ / _____ CVV code _____
(3 or 4 digit number on back of card)

Signature _____
(not valid without signature)

I authorize MedPub Inc to charge my account the total amount:

(Note: MedPub Inc will appear on the credit card statement)

\$ _____

Cancellation Policy: Your registration fee, less a \$50 administrative fee, will be refunded if written notification is received by MedPub Inc **on or before July 15, 2009**. No refunds will be granted *after* July 15, 2009.

Fax number: (734) 699-1136



Program

THURSDAY, AUGUST 27, 2009

1:00 pm – 6:00 pm **Registration**

3:30 pm – 5:30 pm **Concurrent Sessions**

Session I – Do the symptom-based criteria of IBS lead to better diagnosis and treatment outcomes?

Chairs: William Chey and David G. Thompson

3:30 **Introduction**

David Thompson

3:40 **Pros of diagnosis and treatment**

Robin Spiller

4:00 **Cons of diagnosis and treatment**

Michael Camilleri

4:20 **Synthesis**

Emeran Mayer

4:35 **Discussion**

Session II – Roles of ICCs in GI Motility

Chair: Sean Ward and Gianrico Farrugia

3:30 **An overview of ICC in gastrointestinal motility**

Jan D. Huizinga

3:55 **Ionic mechanisms of pacemaker activity**

Kenton Sanders

4:15 **Fate of ICCs in diabetes and restoration of ICC from stem cells**

Tamas Ordog

4:35 **Role of ICC cells in gastric disorders**

Gianrico Farrugia

5:00 **Discussion**

Gianrico Farrugia

5:30 – 7:00 **Welcome Reception & Poster Session**

FRIDAY, AUGUST 28, 2009

7:30 am – 5:00 pm **Registration**

8:00 am – 12:00 pm **Plenary Session I**

Chagas Disease Memorial Symposium: Enteric Neuropathies

Chairs: Sérgio Britto Garcia and Sumei Liu

8:00 **Diabetes**

Shanthi Srinivasan

8:20 **Chagas disease**

Sérgio Britto Garcia

8:40 **Visceral neurology**

Ron F. Pfeiffer

9:00 **Developmental disorders**

Raj P. Kapur

9:20 **Ganglionitis post viral**

Roberto DeGiorgio

9:40 – 10:00 **Abstract Presentations**

10:00 **Break**

10:30 – 12:30 **Concurrent Sessions**

Session I – New diagnostics in GI motility

Chairs: André J.P.M. Smout and Jeffrey Conklin

10:30 **High resolution manometry**

John E. Pandolfino

10:50 **Impedance/pH monitoring**

Daniel Sifrim

11:10 **Gastrointestinal motility capsule**

Henry Parkman

11:30 **Critical evaluation and utility of gastric sensorimotor and satiety function**

Guy E.E. Boeckxstaens

11:50 – 12:30 **Abstract Presentations**

Session II – Intestinal microflora and neuromuscular function (cosponsored by IFFGD)

Chairs: Eammon Quigley and Premysl Bercik

10:30 **Functions of microbiota**

Sang Hoon Rhee

10:50 **Genetic fingerprinting of gut microbiota**

Anna Kassinen

11:10 **The brain-gut-microbiome axis**

Elena F. Verdu

11:30 **Microbiota in IBS**

Yehuda Ringel

11:50 **Therapeutic interventions**

Magnus Simrén

12:10 – 12:30 **Abstract Presentations**



Program

FRIDAY, AUGUST 28, 2009, cont'd

12:30 – 1:30 **European Steering Committee**

12:30 – 1:30 **Lunch**

1:30 – 5:00 **Concurrent Sessions**

1:30 – 3:30 **Two Parallel Sessions**

Session I – Functional and Motility Disorders of the Esophagus

Chairs: Peter Kahrilas and William Orr

1:30 **Acid and non-acid reflux**
André J.P.M. Smout

1:50 **Chest pain of esophageal origin**
Qasim Aziz

2:10 **Obesity and esophageal dysfunction**
Roger P. Tatum

2:30 **Sleep and esophageal function**
Ronnie Fass

2:50 **Novel pharmacologic therapies**
Ashley L. Blackshaw

3:10 – 3:30 **Abstract Presentations**

Session II – The Human Enteric Nervous System

Chairs: Jackie Wood and Marcel Jiménez

1:30 **Functional and structural studies on human ENS**
Michael Schemann

1:50 **Human ICCs**
Terence K. Smith

2:10 **5-HT signaling**
Gary Mawe

2:30 **Human ENS as a target for drug therapy: the endocannabinoid system in motor and inflammatory disorders**
Martin A. Storr

2:50 – 3:30 **Abstract Presentations**

3:30 – 4:00 **Break**

4:00 – 6:00 **Three Parallel Sessions**

Session I – Mucosal Neuroimmune Interactions (cosponsored by IFFGD)

Chairs: Keith Sharkey and Steve Vanner

4:00 **Immune activation of enteric neural circuits**
John Furness

4:25 **Sensitization of visceral afferents by immune modulators**
David Grundy

4:50 **CNS influence on immune activation**
Ilija J. Elenkov

5:15 **Mucosal immune activation in postinfectious IBS**
Robin Spiller

5:40 **Overlap of IBS–IBD – What is the relationship?**
Fergus Shanahan

Session II – Chronic Visceral Pain in Children

Chairs: Carlo DiLorenzo and Miguel Saps

4:00 **Early pain experience and neuroplasticity**
Elie D. Al-Chaer

4:25 **Evaluation of sensory bowel function**
Manu Sood

4:50 **Treatment of chronic visceral pain**
John V. Campo

5:15 – 6:00 **Abstract Presentations**

Session III – Inflammation in the Brain–Gut Axis

Chairs: Michael Beyak and Gary Mawe

4:00 **Cellular basis for changes in the ENS**
Kulmira Nurgali

4:25 **Plasticity of sympathetic inputs to the gut**
David R. Linden

4:50 **Neuroimmune activation in the CNS**
Sylvie Bradesi

5:15 **Barrier function**
Tor Savidge

5:40 – 6:00 **Abstract Presentations**

6:00 – 7:30 **Poster Session**

Dinner on your own





Program

SATURDAY, AUGUST 29, 2009

7:30 am – 5:00 pm **Registration**

7:30 am – 8:00 am **All Society Committee Meeting**

Plenary Session II

Nonpharmacologic therapies for GI Disorders

Chairs: Fernando Azpiroz and Max Schmulson

8:00 **Hypnotherapy**

Marc A. Benninga

8:20 **Biofeedback therapy – What's new?**

Satish Rao

8:40 **Cognitive behavioral approaches**

Douglas Drossman

9:00 **Sacral nerve stimulation and pacing**

Phil Dinning

9:20 **Stem cell therapy**

Jaime Belkind-Gerson

9:40 **Personalized therapy, genomics, and metabolomics**

Charles Burant

10:00 **Break**

10:30 – 12:00 **Concurrent Sessions**

Session I – Sex Differences in Neurogastroenterology and Motility

Chairs: Beverley Greenwood-Van Meerveld and Margaret Heitkemper

10:30 **Sex differences in functional gastrointestinal disorders**

Lin Chang

10:50 **Progesterone and constipation**

Jose Behar

11:10 **Regulation of ion channels in smooth muscle cells by sex hormones**

Sang Don Koh

11:30 **Sex differences in brain activation**

Jennifer S. Labus

11:30 – 12:00 **Abstract Presentations**

Session II – Colorectal Disorders

Chairs: Satish Rao and William Whitehead

10:30 **Imaging of pelvic floor structures**

Ravinder K. Mittal

10:50 **Bidirectional brain gut communications in humans**

Shaheen Hamdy

11:10 **Spinal cord injury and colorectal dysfunction**

Mark A. Korsten

11:30 **Fecal incontinence**

Steve Heymen

11:50 – 12:00 **Abstract Presentation**

Session III – Enteroendocrine Signaling within the Brain-Gut Axis

Chairs: Helen Raybould and Soraya Shirazi-Beechey

10:30 **Taste receptors in the gut**

Soraya P. Shirazi-Beechey

10:50 **GLP2 signaling and tropic actions in the gut**

David L. Sigalet

11:10 **Effect of bariatric surgery on gut brain signaling**

Carel W. LeRoux

11:30 – 12:00 **Abstract Presentations**

12:00 – 12:30 **ANMS Business Meeting**

12:00 – 1:00 **Lunch**

1:00 – 4:00 **Poster Session**

4:00 – 6:00 **Satellite Symposium – Noninvasive assessment of gastrointestinal function and emptying**

4:30 – 5:00 **FBG Board Meeting**

7:00 – 9:00 **Awards Banquet**





Program

SUNDAY, AUGUST 30, 2009

7:30 am – 12:00 pm **Registration**

Plenary Session III

Hot Topics in Neurogastroenterology and Motility

Chairs: Michael Scheman and John Wiley

8:00 Clock genes and diurnal rhythms
Sandra Hoogerwerf

8:20 Food allergies and related sensitivities
Stephan C. Bischoff

8:40 Novel pharmacological therapies for IBS and constipation
Anthony Lembo

9:00 – 9:40 Four Top-ranked Abstracts

9:40 Break

Hot Topics in Translational Science: CRF1 receptor antagonist

Chairs: Emeran Mayer and Michael Camilleri

10:00 Effects on visceral pain and motility in rodents
Lionel Bueno

10:15 Brain imaging studies in rodents
Daniel P. Holschneider

10:30 Brain imaging studies in humans
Bruce D. Naliboff

10:45 Effects on stress-induced hyperalgesia and autonomic responses in humans
Anthony R. Hobson

11:00 Effects on symptoms: Phase II clinical trial results
Kirsten Tillisch

11:15 Roundtable Discussion

11:45 Closing Ceremony

FBG President and NGM 2009 Chair Emeran Mayer
NGM 2010 Host ANMS President Michael Camilleri





Invited Speakers

Elie D. Al-Chaer, PhD, JD
University of Arkansas for Medical Sciences

Qasim Aziz, PhD
Barts and The London, United Kingdom

Jose Behar, MD
Brown University

Jaime Belkind-Gerson, MD, MSc
Instituto Nacional de Salud Publica (National Institute of Public Health), Mexico

Marc A. Benninga, MD, PhD
Emma Children's Hospital/AMC, The Netherlands

Stephan C. Bischoff, MD
Institute of Clinical Nutrition, University of Hohenheim, Germany

Ashley L. Blackshaw, PhD
University of Adelaide

Guy E.E. Boeckxstaens, MD, PhD
Catholic University of Leuven

Sylvie Bradesi, PhD
David Geffen School of Medicine at UCLA

Sérgio Britto Garcia, MD
University of São Paulo, Brazil

Lionel Bueno, PhD
Unité de Neurogastroentérologie INRA

Charles Burant, MD, PhD
University of Michigan Health System

Michael Camilleri, MD
Mayo Clinic College of Medicine

John V. Campo, MD
The Ohio State University and Nationwide Children's Hospital

Lin Chang, MD
David Geffen School of Medicine at UCLA

Roberto De Giorgio, MD, PhD
Universitaria di Bologna

Phil Dinning, PhD
St. George Hospital, Australia

Douglas Drossman, MD
University of North Carolina, Chapel Hill

Ilija J. Elenkov, MD PhD
Italian National Research Council

Gianrico Farrugia, MD
Mayo College of Medicine

Ronnie Fass, MD
Southern Arizona VA Health Care System

John Furness, PhD
The University of Melbourne

David Grundy, PhD
The University of Sheffield

Shaheen Hamdy, MB ChB, PhD, FRCP
University of Manchester

Steve Heymen, PhD
University of North Carolina at Chapel Hill

Anthony R. Hobson, PhD
Institute of Cell and Molecular Sciences, Queen Mary Medical School, London, UK

Daniel P. Holschneider, MD
University of Southern California

Sandra Hoogerwerf, MD
University of Michigan

Jan D. Huizinga, BSc, M.Eng, PhD
McMaster University

Raj P. Kapur, MD, PhD
Seattle Children's Hospital

Anna Kassinen, PhD
University of Helsinki

Sang Don Koh, MD, PhD
University of Nevada, School of Medicine

Mark A. Korsten, MD
James J. Peters VA Medical Center; Mount Sinai School of Medicine

Jennifer S. Labus, PhD
University of California, Los Angeles

Anthony Lembo, MD
Beth Israel Deaconess Medical Center

Carel W. LeRoux, MD, PhD
Imperial College, London

David R. Linden, PhD
Mayo College of Medicine

Gary Mawe, PhD
University of Vermont

Emeran Mayer, MD
David Geffen School of Medicine at UCLA

Ravinder K. Mittal, MD
University of California, San Diego

Bruce D. Naliboff, PhD
David Geffen School of Medicine at UCLA

Kulmira Nurgali, PhD
University of Melbourne

Tamas Ordog, MD
Mayo College of Medicine

John E. Pandolfino, MD
Feinberg School of Medicine, Northwestern University

Henry Parkman, MD
Temple University

Ronald F. Pfeiffer, MD
University of Tennessee Health Science Center

Satish Rao, MD, PhD
University of Iowa

Sang Hoon Rhee, PhD
David Geffen School of Medicine, UCLA

Yehuda Ringel, MD
University of North Carolina, Chapel Hill

Kenton Sanders, PhD
University of Reno, Nevada

Tor Savidge, MD
University of Texas Medical Branch

Michael Schemann, PhD
Technische Universität München, Germany

Fergus Shanahan, MD
University College Cork, Ireland

Soraya P. Shirazi-Beechey, PhD
University of Liverpool, U.K.

Daniel Sifrim MD, PhD
Katholieke Universiteit Leuven, Belgium

David L. Sigalet, MD, PhD, FRCS
Alberta Children's Hospital/University of Calgary

Magnus Simrén, MD
Sahlgrenska University Hospital

Terence K. Smith, PhD
University of Nevada School of Medicine

André J.P.M. Smout, MD, PhD
University Medical Center, Utrecht, The Netherlands

Manu Sood, MD
Medical College of Wisconsin

Robin Spiller, MB, BChir, MSc, MD
The University of Nottingham

Shanthi Srinivasan, MD
Emory University

Martin A. Storr, MD, PhD
University of Calgary, Canada

Roger P. Tatum, MD
University of Washington

David G. Thompson, MD
University of Manchester

Kirsten Tillisch, MD
David Geffen School of Medicine at UCLA

Elena F. Verdu, MD, PhD
McMaster University





Exhibitor Information

Exhibitor Information

Exhibiting is an integral part of the Joint International Neurogastroenterology and Motility meetings. This meeting is jointly sponsored by four societies – American Neurogastroenterology and Motility Society (ANMS), Functional Brain–Gut Research Group (FBG), European Society of Neurogastroenterology and Motility (ESNM), and International Neurogastroenterology and Motility Group (INMG) – and the International Foundation for Functional Gastrointestinal Disorders (IFFGD). As an exhibiting company, you will enjoy prime exposure and direct marketing opportunities with the key players and decision-makers in the field. The floor plan is designed to maximize the exhibitor's exposure to the meeting participants.

All breaks will be held in the exhibition area. Particular attention will be given to signage and decoration enabling an easy and convenient visit of the exhibition.

Space Allocation

Table-top displays only. One 1-foot x 6-foot skirted table, one trash can, and two chairs will be provided. Two registration fees will be waived. Registration includes all breaks, lunches, and reception, and banquet. Additional registrations are \$400 per person. Registration includes all break refreshments, lunches, welcome reception, and awards banquet.

Electrical Connections and Internet

Arrangements for electricity or Internet access must be made directly with the Hilton Chicago. Details for these arrangements will be sent to the official contact person.

Exhibiting Fee and Application Deadline

Exhibiting Fee: \$5000 USD

Applications for exhibit space are considered on a first-come basis. Given limited space in the exhibit area, it is recommended that your organization submit the completed application form as soon as possible (see the [Exhibitor Application](#) link on the NGM 2009 meeting page at www.fbgweb.org). The deadline for receipt of the application and full payment is **June 1, 2009**.

Exhibition Schedule

Set up: Thursday, August 27, 2009 – 12:00 pm to 3:00 pm

Break down: Sunday, August 30, 2009 commencing at 12:00 pm

Exhibit Hours

Thursday: Optional

Friday and Saturday: 8:00 am – 5:00 pm

Sunday: 8:00 am – 12:00 pm

Assignment of Space

Space will be assigned as requested wherever possible. We will make every possible effort to assign a preferred location. Exhibitors wishing to avoid assignment of space adjacent to that of a particular competitor should indicate so on their application form. Careful consider-

ation will be given to all requests. However, we cannot guarantee acceptance of these requests. NGM 2009 reserves the right to relocate or reassign space at any time for the overall benefit of the meeting. If a preferred space is not available, NGM 2009 will contact the company to discuss alternative space availabilities.

Exhibitor Registration

All exhibitors must be registered. Two exhibitor name tags will be issued. Additional exhibitors will be charged a registration fee of \$400. The [Exhibitor Application](#) is available on the NGM 2009 meeting page at www.fbgweb.org.

Exhibit Representation

Exhibits must be staffed by a company representative during the scheduled exhibit times. All company representatives must be preregistered. No shared registrations.

Company and Product Profiles

A complete listing of all exhibitors will be included in the Final Program, which will be distributed to all attendees.

Give-aways and Distribution of Printed Materials

Give-aways are no longer allowed. Printed material may only be distributed in the space provided by the exhibitor. No such material may be distributed in any hotel used by the meeting.

Sound Devices and Noise Level

Noise level from any product demonstration or sound system must be kept to a minimum and must not interfere with other exhibits or educational activities.

Cancellations

Cancellation requests must be received in writing *on or before* July 1, 2009 and are subject to a \$250 cancellation fee. No refunds issued *after* July 1, 2009. E-mail, fax, or mail to MedPub Inc – NGM 2009.

Liability

Each exhibitor agrees to protect, save, and hold Hilton Chicago, Functional Brain–Gut Research Group (NGM 2009), and all agents and employees thereof (hereinafter collectively called “Indemnities”) forever harmless for any damages or charges imposed for violations of any law or ordinance, whether occasioned by the negligence of the Exhibitor or those holding under the Exhibitor. Further, the Exhibitor shall at all times protect, indemnify, save, and hold harmless the indemnities against and from any and all losses, costs, damages, liability, or expenses (including attorney's fees) arising from or by reason of any accident or bodily injury or other occurrence to any person or persons, including the Exhibitor, its agents, employees, and business invites, which arise from or out of the exhibition premises, the hotel, or any part thereof.

Shipping

Exhibitors must make individual arrangements for shipping and handling. Details for shipping will be sent to the official contact person.

For further information contact:

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**Neurogastroenterology and Motility
2009 Joint International Meeting**

August 27–30, 2009

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