

# the **RECORDER**

American Neurogastroenterology and Motility Society

Spring 2015 • Volume 4 • Number 1

# **The President's Message**



John Wiley, MD

This issue of *The Recorder* includes updates on several ANMS initiatives that will be of interest to our membership. In addition to the activities described below, the ANMS is pursuing closer ties with GI organizations in Canada, Mexico, and South America to cultivate areas of mutual interest. In March 2016, a group of

investigators met near the Dallas-Fort Worth Airport to discuss future directions in research on the irritable bowel syndrome (IBS). The goal of this meeting was to generate a document that the NIH can use to help design a workshop devoted to future directions in IBS research and related disorders. The focus on IBS and related disorders is timely. The AGA Institute's 2015 singletopic James W. Freston Conference: A Renaissance in the Understanding and Management of IBS will be held in Chicago, IL, Saturday, August 29 and Sunday, August 30, 2015. Course directors Lin Chang, MD and Margaret M. Heitkemper, RN, PhD have organized a state-of-the-art program of current and future directions in the field. The day preceding the Freston Conference the ANMS will host the 10th Postgraduate Course on Gastrointestinal Motility and Neurogastroenterology in Clinical Practice on Friday, August 28, 2015. Historically, this course is highly regarded and well attended. The program for the upcoming meeting is outstanding. Attendees may register for both meetings at a significantly discounted cost. Registration information is provided on page 5.

We are also planning the 2016 International Federation Meeting and Young Investigator Forum, which will be hosted by ANMS in San Francisco in August 2016. Our past meetings have been very well received. We will have state-of-the-art lectures by experts from within and outside our community covering a broad range of topics that are relevant to the brain–gut axis, functional gastrointestinal and motility disorders, as well as "live" demonstrations at the clinical course. The Young Investigator Forum and career development program are priority, demonstrating our commitment to mentoring young investigators in our field who will become our future leaders. As a society, we have an impressive history that attests to our on-going commitment to promote training and research in the field of neurogastroenterology and motility. Many believe the field is on the cusp of advances that will significantly impact how we diagnose and treat our patients. Our society is strong and well positioned for the future. I look forward to serving all of our members and am committed to help the ANMS reach our goals.

# **New activities**

**Mentoring program for our junior faculty** We have formed a Junior Faculty Committee. It is overseen by Catia Sternini and led by ANMS junior faculty members Bruno Chumpitazi, *Chair*, Sylvie Bradesi, Laurent Gautron, and Victoria Tan who will create and promote new programs that focus on career development. We also recognize the importance of pediatric gastroenterology in our society and have initiated a Pediatric GI Committee headed by Miguel Saps. Dr. Saps has proposed several exciting initiatives that will be described in future newsletters.

**Collaborations with other societies** We welcome our new members from the Mexican Association of Gastroenterology (MAG). ANMS participated with MAG at their National Congress Meeting in Cancun, Mexico, November 15–19, 2014. ANMS and MAG collaborated on a well-attended "hot topics" symposium at this meeting.

**GI Fellowship Training Programs** are now under a new accreditation system in graduate medical education that was initiated in July 2014. The ACGME mandated the Next Accreditation System (NAS) to ensure that trainees are competent in entrustable professional activities (EPAs) and reach competency milestones. There are 13 EPAs in GI. ANMS, in particular C. Prakash Gyawali and John Pandolfino, worked with representatives from other GI societies, AGA, ACG, AASLD, and ASGE to develop the EPAs. This information was published last July in the five societies' respective journals, including *Neurogastroenterology and Motility*.

**Our educational conferences,** which have been a longstanding ANMS trademark activity, are very successful and well regarded. Last year was no exception. Over 400 registrants attended the ANMS Postgraduate Course in Baltimore, Maryland in July 2014. Among the highlights was Dr. Gerald Gebhart's ANMS Tripuraneni Oration, *Communications From the Interior – A Visceral Pain Primer* (see photograph p. 2).

#### Officers

John Wiley, MD President

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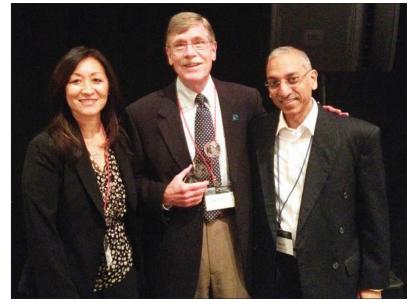
Lin Chang, MD Immediate Past President

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#### Publication

The Recorder is published twice a year. Contact and Submissions: Phone: 734-699-1130 Fax: 734-699-1136 E-mail: admin@motilitysociety.org



Lin Chang and Satish Rao present the **ANMS 2014 Tripuraneni Oration Award** to Gerald F. Gebhart, PhD, Professor and Director of the Center for Pain Research at the University of Pittsburgh. This award was presented at the 9th ANMS Postgraduate Clinical Course in Baltimore, MD in July 2014.

#### **Research Committee**



We would like to thank the outgoing committee members for their hard work over the past three years: Gary Mawe, *Chair*, Kirsteen Browning, Tony Lembo, Ravi Mittal, Bruce Naliboff, and Gregory Sayuk. We welcome our new committee members: Catia Sternini, *Chair*, Simon Gibbons, Jeffrey Lackner, Yuri Saito, Shanthi Srinivasan, Alberto Travagli, and G. Nicholas Verne.

Catia Sternini

This past year, the ANMS Research Committee received eleven outstanding applications for research support, of which five were for a basic/translational grant and six were for a clinical grant. Each application was reviewed by three reviewers selected among the Research Committee members on the basis of their expertise, who provided a score and written comments for each application. After careful appraisal and discussion among the committee members, two applications, one basic and one clinical, were selected for funding and each was awarded \$30,000. The research grants continue to be a very important feature of our society's efforts to support the career development of our junior investigators, and we plan to continue funding two grants, one basic and one clinical in 2016.

The success of the ANMS Research Grant program was underscored by the results of a recent survey of former awardees that was conducted to ensure that this program is meeting the needs of our junior investigators. To date, all past awardees are still in research and ANMS has been acknowledged on all publications supported by these grants. In response to input from the former awardees, we are expanding the duration of the award to two years. Unfortunately, due to budget constraints, the total amount received by each awardee will remain the same at this time.

#### 2015 ANMS Research Grant Awardees

#### **Basic Science**

Tania Babic, PhD, Research Associate Penn State, Hershey, Pennsylvania Sex differences in vagovagal reflexes

#### **Clinical Science**

**Katja Kovacic,** MD, Assistant Professor Children's Hospital of Wisconsin, Milwaukee, Wisconsin Efficacy of auricular neurostimulation for adolescents with painassociated functional gastrointestinal disorders

#### 2016 ANMS Research Grant Program

Submission deadline: November 6, 2015 Award start date: January 2016 For more information: www.motilitysociety.org.

#### Submit a Proposal for DDW 2016

We invite you to submit ideas for Neurogastroenterology and Motility–sponsored research symposia and state-ofthe-art lectures for DDW 2016. Symposia involve three to four invited speakers who can address timely topics of broad interest to attendees. Your recommendations should be specific and include session titles, individual presentation titles, speakers, and learning objectives.

Please send your proposal to **admin@motilitysociety.org**. The deadline for submission is Monday, July 7, 2015.

#### Junior Faculty Committee and Mentoring Program

There has been a discussion during the past two retreats about the ANMS Mentoring Program for our junior faculty and it was decided to revamp and update it. As a first step, a Junior Faculty Committee was formed, which is overseen by Catia Sternini and led by ANMS junior faculty members Bruno Chumpitazi, *Chair*, Sylvie Bradesi, Laurent Gautron, and Victoria Tan. The task of this committee is to create and promote new programs that focus on career development.

The first action of the Junior Faculty Committee was to survey the junior investigators to determine their needs and expectations from the ANMS. This survey revealed that the interests of junior faculty are as follows: research opportunities, conferences, young faculty workshops at meetings, junior faculty sessions during the ANMS conferences with career advancement talks focused on clinical and research tracks, networking, internet-based resources, and a mentoring program. It also appeared that junior faculty are eager to be actively involved in the ANMS by participating in the organization, chairing symposia at the meetings and reviewing abstracts.

The survey emphasized the need of a mentoring program to provide guidance to junior investigators interested in neurogastroenterology with research, grant writing, clinical decisions, balancing clinical and research commitments, and career advancement and planning. The recommendation of the Junior Faculty Committee is to reinvigorate the Mentoring Program as follows: update the list of senior, established investigators interested in providing mentorship, contact the junior investigators who expressed interest in the program as identified during the survey, discuss the current guidelines with the junior faculty committee, have the research committee pair the mentor and mentee and have the mentee take the initiative to contact the mentor to set up a formal meeting at the ANMS, DDW, or FNM meeting.

The Junior Faculty Committee survey results led to the decision to contact the individuals who expressed interest in networking and web-based resources to design/create/ maintain a Facebook page and Twitter account, to update the website for content and multimedia accessibility, to subdivide membership categories to allow for targeted contacts, to highlight research grants opportunities, on the ANMS website, to add a junior representative on council who is within three years of last training, to incentivize interested ANMS members to participate in the Mentorship Program, and to determine if the proposal regarding the Mentorship Program satisfies the needs and ideas raised by the Junior Faculty Committee survey.

#### **Membership Committee**

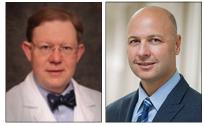


We would like to thank the outgoing committee members for their hard work over the past three years: Ronnie Fass, *Chair*, Simon Gibbons, Beverley Greenwood-VanMeerveld, Baharak Moshiree, and Jose Remes. We welcome our new committee members Margaret Heitkemper, *Chair*, Kirsteen Browning and

Margaret Heitkemper

Keith Sharkey. The committee is evaluating avenues to increase the number of society members and to retain current members. Membership is expanding through international opportunities.

#### **Clinical Practice Committee**



Benson Massey

John Pandolfino

The Clinical Practice and Education Committees under the stewardship of Benson Massey and John Pandolfino organized the highly successful 2014 Postgraduate Clinical Course, held in Baltimore, MD from July 25–27. This



meeting was very well attended and had many new "live" demonstrations. We would like to welcome our new committee members: C. Prakash Gyawali, Jeffrey Lackner, Satish Rao, Miguel Saps, and Gina Sam. The Clinical Practice Committee has worked to develop and publish Physician Primers for certain clinical conditions. These primers provide evidence-based and algorithmic clinical decision-making reference tools for diagnosis and treatment options. The primers provide an excellent, quick overview of the condition and can be a handy guide for trainees, nursing staff, advanced practice providers, and primary care clinicians. To date, primers for chronic constipation, gastroparesis, IBS, and opioidinduced constipation have been developed. Members with suggestions for additional physician primer topics can contact the Clinical Practice Committee. For more information about the physician primers, visit www. motilitysociety.org. The Clinical Practice Committee is facilitating the development of ANMS Guidelines and Position Papers on the management of oropharyngeal dysphagia, biofeedback therapy, and the effect of aging on GI functions. The Committee is also updating the registry of ANMS-recognized centers that offer highquality motility testing. The Committee hopes to initiate modifications in existing CPT descriptions for some motility tests to facilitate claims processing and reimbursement. A long-term goal of the Committee is to develop consistent protocols and quality standards for performance of motility tests.



#### **Education Committee**

We would like to thank the outgoing committee members for their hard work over the past three years: John Pandolfino, Chair, Lucinda Harris, Benson Massey, Hayat Mousa, Yehuda Ringel, and Brennan Spiegel. We welcome the new committee members: Ronnie Fass, Chair, Laurie

Ronnie Fass

Keefer, and G. Nicholas Verne. The committee has worked to finalize the program for the 2015 10th Postgraduate Clinical Course to be held Friday, August 28, 2015 in Chicago. The program and registration form are available online www.motilitysociety.org. The ANMS proposal on IBS was selected for the AGA 2015 James W. Freston conference. This meeting will be held immediately following the Postgraduate Course. There is a discounted registration fee to attend both meetings.

Planning is underway for the 2016 11th Postgraduate Clinical Course, which will be held in San Francisco, Thursday, August 25, 2016. Our live demonstrations will be brought to us by William Snape from California Pacific Medical Center.

Clinical Training Program This program has been an important vehicle for ANMS core values. We have trained 150 trainees across North America since 2006 and we will be training twenty-five fellows during the next year. The addition of two more centers will be discussed at the next Director's meeting, for a total of thirteen centers of excellence. A Reunion Gala is being planned for FNM 2016, the second Federation of Neurogastroenterology and Motility meeting in August 2016.

Young Investigator Forum Fifteen young investigators participated in the 11th Young Investigator Forum in July in Baltimore, MD. The committee members were Gregory Sayuk, Chair; Braden Kuo, Co-Chair; Beverley Greenwood-Van Meerveld, and Shanthi Srinivasan. This forum was very well received. Jill Carrington and Stephen James from the NIH joined our Expert Panel Discussion on Grant Writing and Review, along with our Faculty Expert Panelists: Lin Chang, William Chey, Laurie Keefer, and Marcelo Vela.

Patient Education ANMS patient education brochures describe motility procedures and common topics, including achalasia, anal fissure, biofeedback therapy, constipation, GERD, gastroparesis, fecal incontinence, IBS, manometry (anorectal, colonic, and esophageal), esophageal pH monitoring test, and chronic intestinal pseudo-obstruction. They are available at a nominal price. ANMS members may download the patient education handouts free from www.motilitysociety.org.

#### Journal Management Committee





Kirsteen Browning

We would like to thank the outgoing committee members for their hard work over the past three years: Michael Camilleri, Beverley Greenwood-VanMeerveld, and Yvette Taché. We welcome the new committee members: Kirsteen Browning, Lin Chang, and Laurie Keefer.

The Committee met in Chicago at DDW in 2014. Submissions to Neurogastroenterology and Motility continue to rise, with the majority from the US and Europe. Each issue now has a podcast that includes an interview with an author of one of the publications in that issue. ANMS members receive monthly eTOCs. A journal app was launched in 2014.



# 5th Annual ANMS Member Reception at DDW

Monday, May 18, 2015 • 6:30–8:00 pm University of DC Room • Marriott Marquis ANMS Booth 3236 • DDW Exhibit Hall

# Neurogastroenterology & Motility DDW Highlights

See program on page 8

The ANMS Research Committee wishes to thank the ANMS members for submitting proposals for DDW research symposia and state-of-the-art lectures.



# Morthwestern Medicine

# ANMS Workshop Motility in Clinical Practice: Practical Applications of Motility Testing

Saturday, August 1, 2015

Northwestern University Campus, Chicago, Illinois

Intended audience: academic and private practitioners, nurses, technicians

Register • More Info • www.motilitysociety.org

# Register Now 🌔 Chicago, Illinois • August 28, 2015

10th Postgraduate Course

# Gastrointestinal Motility & Neurogastroenterology in Clinical Practice

Chicago Marriott Downtown Magnificent Mile, Chicago, Illinois

Meeting Preregistration: fee discount if registered on or before May 25, 2015 Hotel Reservation Deadline: August 5, 2015 by 5:00 pm (Central Time)

#### ANMS 10th Postgraduate Course Gastrointestinal Motility and Neurogastroenterology in Clinical Practice

- Case-based learning for all levels: physicians, nurses, technicians, and gastroenterology fellows
- Nurse and technician session: Technique, interpretation, and patient treatment
- Normal physiology and pathophysiology
- Motility tests focus on applications in clinical practice
- Current and new treatment options

#### Register • More Info • www.motilitysociety.org

Don't miss the single-topic Freston Conference immediately following the ANMS Postgraduate Clinical Course

AGA 2015 James W. Freston Conference

#### A Renaissance in the Understanding and Management of IBS

Saturday, August 29 – Sunday, August 30, 2015 Chicago Marriott Downtown Magnificent Mile, Chicago, II

Register • More Info • www.gastro.org



## FNM 2016 • San Francisco, USA



#### Federation of Neurogastroenterology and Motility

The Federation of Neurogastroenterology and Motility (FNM, formerly NGM), our international umbrella organization, will host the joint international motility meeting every two years. The Federation includes three full members: the American Neurogastroenterology and Motility Society, the Asian Neurogastroenterology and Motility Association, and the European Society of Neurogastroenterology and Motility; and two associate members: the Australasian Neurogastroenterology and Motility Association and the Sociedad Latinoamericana de Neurogastroenterología. ANMS will host the 2ND FNM meeting from Friday–Sunday, August 26–28, 2016 at the Hyatt Regency San Francisco, San Francisco, California, USA. The abstract deadline will be early March 2016. The 11th Postgraduate Course on Gastrointestinal Motility and Neurogastroenterology in Clinical Practice will be held the day before on Thursday, August 25, 2016 at the Hyatt Regency San Francisco, San Francisco, California, USA.

more information • www-motilitysociety-org

#### Little Brain Big Brain (LBBB)

The ANMS council approved the support of the LBBB 2014 meeting with an unrestricted grant of \$10,000. The 13th LBBB meeting was held on September 3 and 4 in Guangzhou, China, immediately before the 1st Federation of Neurogastroenterology and Motility meeting held in the same city. Stuart Brierley, Montri Gururatsakul, Patrick Hughes, Tanya Little, and Amanda Page organized this very successful meeting. Young scientists "who showed the most potential in the field" were invited to present their latest findings. They came from all over the world–ten from USA/ Canada, fifteen from Europe, eight from Australia, and one from Asia. Keeping the great tradition of LBBB in mind, the meeting was set up as a forum for young investigators to propose and discuss novel ideas in neurogastroenterology.

# News from the International Foundation for Functional Gastrointestinal Disorders (IFFGD)

We were pleased to currently be conducting an online survey of people reporting a diagnosis of gastroparesis, which is aimed at helping identify ways to improve daily life for those living with this challenging disorder. We are also supporting an online survey of people diagnosed with IBS being conducted by the University of Michigan and the Drossman Center for Education and Practice of Biopsychosocial Care, in cooperation with IFFGD, aimed at identifying the factors that make for good doctor-patient relationships in IBS. A link to each survey can be found on our website at www.iffgd.org.

You are each invited to join us for our annual Advocacy Day in Washington, D.C. on July 20–21, 2015. This provides an opportunity for you to share your perspective with Congressional representatives on Capitol Hill in order to educate them about functional GI and motility disorders and critical needs for increased research funding support. Contact us to find out more.

**Thank you** for your continued support of IFFGD, and your work on behalf of patients.

Visit www.iffgd.org

This structure provides a constructive learning environment where participants can gain understanding of the breadth of research in the field. The meeting also serves as an informal gathering for participants to meet peers and potential collaborators who have technological and intellectual tools unavailable in their own institutions. The positive feedback from participants suggests that this meeting launches many fruitful collaborations. There is no doubt that LBBB boosts the careers of the next generation of leaders in neurogastroenterology, thereby maintaining and advancing the vigor of the field. The next LBBB meeting will be held before the 2nd Federation of Neurogastroenterolgy and Motility meeting in San Francisco, California, USA.



#### Little Brain Big Brain, 1st FNM meeting, Guangzhou, China, 2014

Front (*left to right*): John Broad, Arthur Beyder, Purna Kashyap, Ahmed Rahman, Guillame De Lartigue, Dervla O'Malley, Leni Rivera, Hanne Vanheel, Marlene Hao, Jessica Biesiekierski, David Levinthal, Jean-Eric Ghia, Viorica Braniste, Hui Li, Askin Erogan, Madhusudan Grover, Naomi Tjaden, Emma Carrington. Back (*left to right*): Yang Won Min, David Grundmann, Stamatiki Kritas, Tim Hibberd, Roeland Buckinx, Stephen Kentish, Simona Carbone, Gianluca Matteoli, Lukas Van Oudenhove, Werend Boesmans, Pauline Teuffel, Barbara Lies, Lincon Stamp, Sara Baldassano, Jill Hoffman. *Absent*: Gengqing Song.



ANMS Council Members at the Annual Retreat 2015

Back row (left to right): G Farrugia, J Pandolfino, B Massey, M Heitkemper, K Browning, M Saps, GN Verne, R Fass, J Wiley. Front row (left to right): L Chang, C Sternini, L Keefer.

#### ANMS Committees

#### **Clinical Practice**

*Chair:* Benson Massey *Co-Chair:* Miguel Saps *Members:* C. Prakash Gyawali, Jeffrey Lackner, John Pandolfino, Satish Rao, Gina Sam

#### Education

*Chair:* Ronnie Fass *Co-Chair:* Laurie Keefer *Members:* William Chey, Miguel Saps, Gregory Sayuk

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Finance and Fund Raising Chair: John Wiley Co-Chair: Gianrico Farrugia Members: Lin Chang, Ronnie Fass

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Journal Management Kirsteen Browning, Lin Chang, Laurie Keefer Membership

#### Chair: Margaret Heitkemper Co-Chairs: Kirsteen Browning, Keith Sharkey

#### Research

*Chair:* Catia Sternini *Co-Chair:* G. Nicholas Verne *Members:* Simon Gibbons, Jeffrey Lackner, Yuri Saito, Shanthi Srinivasan, Alberto Travagli

10th Postgraduate Course on Gastrointestinal Motility and Neurogastroenterology in Clinical Practice Planning Committee Chair: Ronnie Fass Members: Laurie Keefer. G. Nicholas Verne

11th Postgraduate Course on Gastrointestinal Motility and Neurogastroenterology in Clinical Practice Planning Committee *Chair:* Ronnie Fass

*Members:* William Chey, Laurie Keefer, Miguel Saps, Greg Sayuk, William Snape, Jr. 12th Young Investigator Forum

Chair: Braden Kuo

#### FNM 2016 Scientific Planning Committee Chair: John Wiley

*Members:* Qasim Aziz, Guy Boeckxstaens, Nigel Bunnett, Sutep Gonlachanvit, Laurie Keefer, Hiroto Miwa, Michel Neunlist, Catia Sternini, Jose Tawil, G. Nicholas Verne, Justin Wu

#### **Exhibitors**

ANMS sincerely thanks our exhibitors for participating in the 2014 meetings and sharing in the excitement. Concordia Healthcare USA, Inc. (formerly Revive Pharmaceuticals, Division of PBM Pharmaceuticals), Cyclic Vomiting Syndrome Association–USA/Canada, EndoGastric Solutions, Inc., EndoStim, Entera Health, Inc, Given Imaging, a Covidien company, International Foundation for Functional Gastrointestinal Disorders (IFFGD), Mederi Therapeutics Inc., Medical Measurement Systems USA Inc, Medtronic, Inc., Prometheus Laboratories, Inc., Salix Pharmaceuticals, Inc., Sandhill Scientific, Inc., Torax<sup>®</sup> Medical, Inc.

#### **Sponsors**

ANMS sincerely acknowledges the generous support of all our sponsors over the past year. Forest Laboratories, Inc. and Ironwood Pharmaceuticals, Inc. Given Imaging, a Covidien company Mederi Therapeutics Inc. Medtronic, Inc. Perrigo Company plc Prometheus Laboratories, Inc. Salix Pharmaceuticals, Inc. Shire Sucampo Pharmaceuticals, Inc. Takeda Pharmaceuticals International, Inc., U.S. Region Torax<sup>®</sup> Medical, Inc.



# Neurogastroenterology & Motility Sessions at DDW 2015

This year the Neurogastroenterology & Motility section has planned the following invited symposia and research fora. View the program at http://www.gastro.org/about-aga/council-sections/neurogastroenterology-motility

#### Saturday, May 16, 2015

8:00 AM – 9:30 AM AGA Research Symposium NGM Cutting-Edge: New Roles for Old Cells

10:00 ам – 11:30 ам AGA Research Forum Emerging Paradigms in Pathogenesis of Motility Disorders

10:00 ам – 11:30 ам AGA Research Forum Microbiota, Metabolites, and Motility

2:00 PM – 3:30 PM AGA Clinical Symposium Developing Targeted Drug Therapy for GI Disease

2:00 PM – 3:30 PM AGA Research Forum Neuro-Immune Interactions and ENS Disorders

4:00 PM – 5:30 PM AGA Research Forum Functional Dyspepsia, Nausea and Vomiting

# Sunday, May 17, 2015

8:00 ам – 9:30 ам AGA Research Forum Irritable Bowel Syndrome: Advancing Our Understanding

10:00 ам – 11:30 ам AGA Research Forum Irritable Bowel Syndrome: From Diagnosis to Treatment

**10:00 ам – 11:30 ам** AGA Research Forum

Gastroparesis: Clinical Progress 2:00 PM – 3:30 PM

AGA Research Forum Esophageal Dysmotility – From Bench to Bedside

2:00 PM – 3:30 PM AGA Research Forum Small Bowel Motility and Bacterial Overgrowth

2:00 PM – 3:30 PM AGA Research Forum Fundamental Advances in Enteric Neurobiology



### Monday, May 18, 2015

8:00 AM – 9:30 AM AGA Translational Symposium Making Research Work for Patients – What Is in the Pipeline?

10:00 AM – 11:30 AM AGA Clinical Symposium Motility Matters: An Interactive Forum to Debate What Progress the Field Has Made

10:00 ам – 11:30 ам AGA Research Forum Pediatric Functional and Motility Disorders

10:00 AM - 11:30 AM AGA Research Forum Generating and Regenerating the Enteric Nervous System

2:00 PM – 3:30 PM AGA Research Forum Clinical Advances in Irritable Bowel Syndrome

4:00 PM – 5:30 PM AGA Neurogastroenterology and Motility Distinguished Abstract Plenary

## Tuesday, May 19, 2015

8:00 AM – 9:30 AM AGA Research Forum Swallowing Disorders

8:00 AM – 9:30 AM AGA Research Forum Neurogastroenterology: Centrifugal/Centripetal

10:00 ам – 11:30 ам AGA Research Forum Novel Therapeutic Insights for Motility Disorders

10:00 AM – 11:30 AM AGA Research Forum Constipation: Bringing Up the Rear End

2:00 рм – 3:30 рм AGA Research Forum Constipation: Old and New Approaches

2:00 PM – 3:30 PM AGA Research Forum Sensory Neurobiology

11th Postgraduate Course on Gastrointestinal Motility and Neurogastroenterology in Clinical Practice Thursday, August 25, 2016

2ND Federation of Neurogastroenterology and Motility meeting FNM 2016

> Friday–Sunday, August 26–28, 2016 Abstracts due early March 2016

Hyatt Regency San Francisco, San Francisco, California, USA more information • www·motilitysociety·org