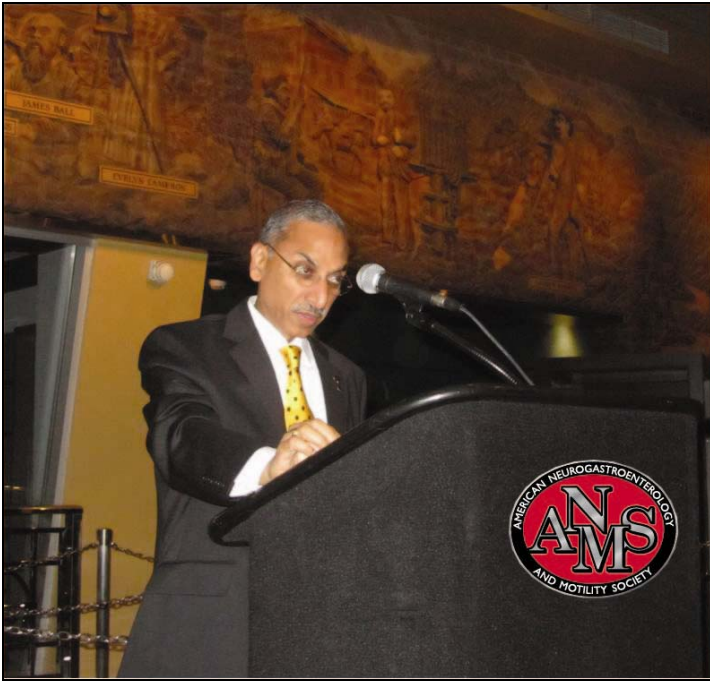




The RECORDER

The American Neurogastroenterology and Motility Society and Functional Brain Gut Research Group Newsletter-October 2011

**Message from ANMS-FBG President:
Satish Rao, MD, PhD, FRCP, FACP**



Astonishingly, October is here and one year has gone by since the last issue of The Recorder, and in the interim what a terrific journey has it been for our society. Hardly had the ink dried on the many laurels we received for hosting our NGM 2010 meeting at Boston, the ANMS-FBG council were hard at work deliberating on our members needs and the future of our society. Their enthusiasm culminated in plans for organizing a first ever 3-in-one event for 2011: a postgraduate course, a 2-day scientific meeting and a Young Investigator Forum. Additionally, 2011 witnessed many other landmark events that I will summarize below.

What have we accomplished? Fresh from our most successful ANMS-FBG meeting in September 2011 in St Louis, I am pleased to report that our 6th Postgraduate Course on Gastrointestinal Motility and Neurogastroenterology in Clinical Practice attracted over 275 attendees who gave us rave reviews. 37 faculty did a spectacular job with Live Demonstrations, didactic lectures, interactive workshops and case-based discussions. This was followed by ANMS-FBG 16th biennial Scientific meeting (after a 6 yr gap) that was enthusiastically

received by our members with 375 attendees who presented 185 abstracts including 40 oral abstract presentations. This was blended with 20 brilliant state-of-the-art lectures using a bench to bedside format, hot topics in basic and clinical sciences and 3 theme-based translational symposia. The highlight was the **2nd ANMS Tripuraneni Oration**, our Society's highest honor. Professor Jeffery I. Gordon from Washington University gave an oration on Intestinal Microbiome and its link to gastrointestinal and other diseases.

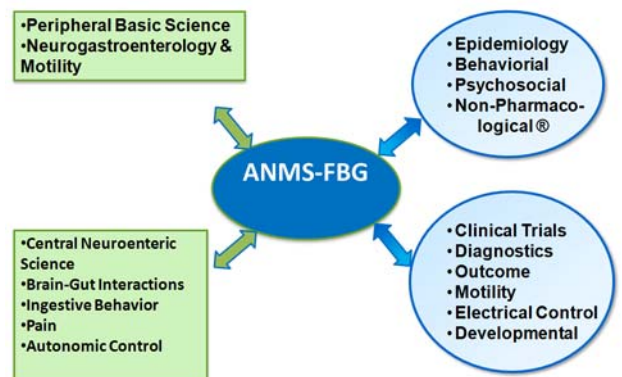


2nd ANMS Tripuraneni Oration: Right to Left: L. Chang, J.I Gordon, and S. Rao

Finally, the **15 young investigators** who participated in an exclusive and superb mentor-mentee program, walked away with fresh ideas and hopefully inspired to be future leaders.

Our leadership has created a new **organizational structure** that encompasses a broad range of disciplines within our field, summarized below.

ANMS-FBG Organizational Sections



We believe that this grouping best represents our current and future needs, and will position us for optimal scientific dialog and growth.

In January, the Council held its **5th annual retreat** in Scottsdale, Arizona, where we developed strategic goals for our society. Each of our 7 committees, clinical, research, education, membership, liaison/international affairs, finance, Pharma/FDA relations held extensive group discussions and laid out plans that were debated by the council. For details on this and other committee activities, please see Chair reports below.



Current ANMS-FBG Council members at Retreat January, 2011. Right to Left: B Spiegel, B Greenwood, E Mayer J Chen, H Raybould, S Rao, L Chang, R McCallum, C DiLorenzo, B Naliboff, Back Row: R Fass, A Bharucha, J Wiley, G Mawe, J Galligan, A Bauer, and H Parkman.

In May 2011 at DDW we hosted a very successful **reception** that was attended by over 300 members and guests from all over the world. This provided an excellent forum for fellowship and camaraderie. I also took this opportunity to recognize the generous support of our industry sponsors as well as all of our past Presidents for their extraordinary service to our 31-year old society.



ANMS-FBG DDW Reception, May 2011, Chicago

Our booth at DDW also attracted a large number of visitors and attendees this year, another sign of growing interest in our field. Our superb staff ably led by Ms. Lori Ennis performed a yeoman's service.



ANMS-FBG DDW Booth with Staff, May 2011, Chicago

ANMS-FBG and the European Society of Neurogastroenterology and Motility have entered into an agreement to form the **Federation of Neurogastroenterology and Motility (FNM)**. This body is charged with hosting a biennial international scientific meeting, with the next meeting in September 2012 at Bologna, Italy, and FNM will replace the Joint international NGM meetings. The Asian Neurogastroenterology and Motility Association (ANMA) has agreed to join the FNM and will host a FNM meeting in 2014. Our colleagues from Latin America and Australia have signed MOUs to participate as associate members of FNM, and they will be represented on the Executive Board and Scientific Planning Committees of the FNM.

In keeping with our mission to promote science and research, 2 competitive research grants were awarded last year. ANMS-FBG is pleased to announce support for **2 new research grants for 2012** (see RFA below; deadline November 11, 2011). I encourage all members to apply and make use of this opportunity.

Thanks to the generous support of our sponsors, the **Clinical Training Program** for GI Fellows remains very successful and 20 fellows have received one month training in 2010-11, at 10 adult and pediatric Motility Centers of Excellence. Also, we have embarked on developing several **ANMS-FBG Consensus Guidelines and Position papers** and will be partnering with ESNM for these projects.

We are also engaged in a Pocket Guide and Flash Card project for key clinical areas such as IBS, Constipation, Gastroparesis and Dysphagia that will be of immense use to clinicians nationwide and will become available in spring 2012.

The clinical practice and education committees have developed over 12 patient education brochures on common topics such as constipation, gastroparesis, GERD, IBS, etc and on common procedures such as esophageal/anorectal manometry or pH testing or biofeedback therapy that will be extremely beneficial to patients. Given that there is misinformation and poor understanding of these conditions, and very little authoritative information on these topics or procedures, these brochures should fill a much-needed void for our patients. Members can purchase these for a discounted nominal fee. See details on our web site.



The **Membership Committee** has initiated an excellent survey of our members to ascertain their needs and to involve the membership-at-large with our strategic directions and goals. Please participate in this important endeavor that will help to shape the future of our society.

The **Education Committee** is spearheading efforts to improve the GI Core Curriculum and training in Neurogastroenterology & GI Motility. We will partner with sister societies to develop better educational materials and assessment tools to improve knowledge and training in this subspecialty.

Where are we going?

We have another full year of activities planned to meet our member needs including the **7th Postgraduate Course** with Live demonstrations and a **Young Investigator Forum** that will be held over 3 days in July 2012 in Chicago. Their efforts will be supported by the Education Committee led by Adil Bharucha, John Pandolfino, Carlo DiLorenzo and Clinical Practice Committee led by Lin Chang.

We will also be asking you to participate in many electronic surveys including elections for new Council members and President-Elect, and a ballot for the name of our society as mandated by our merger agreements.

The Clinical Training Program Directors will be meeting in a month at ACG to revise the MCQs and teaching slide deck and resolve any concerns. ANMS-

FBG continues to lead efforts on the issuance of **new CPT codes and FDA** biomarker initiatives, and will partner with our industry sponsors and sister GI institutions including IFFGD, NIH and visits to the National Capitol to promote our field. Plans are also underway for a research/strategic group summit with industry (pharma & device), FDA and NIH.

I am grateful for the outstanding support of our esteemed Council, and to each of you who have advised me during the past year and to our generous sponsors and friends.

As the leaves are changing color and the autumn air has become crisper with a whiff of cold breeze, and the global economy seesaws, thanks to your dedication, I am pleased to report from the warmer shores of Augusta, Georgia that our society is in a strong position, both academically and financially, and I am confident that we will build a great future for our society.

A vision is not just a picture of what could be; it is an appeal to our better selves, a call to become something more.

- Rosabeth Moss Kanter

Optimism is the faith that leads to achievement. Nothing can be done without hope and confidence.

- Helen Keller

Report on 16th Scientific Meeting, Hyatt Regency, St Louis, September 16-18, 2011. The 16th ANMS-FBG Scientific meeting was planned and executed in a record 10 month period, owing in large part to the extraordinary efforts of the Scientific team comprising of Satish Rao (Chair), Lin Chang, Keith Sharkey, Gary Mawe, Kirsteen Browning, Michael Vaezi, and Jeff Lackner. The committee ensured fair balance between clinical and basic science and used a bench to bedside approach for all State-of-the-art lectures and symposia. Subjects chosen were not only topical and controversial but highlighted new developments, and represented the broad interests and diverse fields including interests of our FBG colleagues. Also, there were several pediatric topics and speakers, which was enthusiastically received by our pediatric colleagues. Members submitted abstracts into one of 14 categories and breakdown shown below. We hope to revise some of the abstract categories in the future.

The abstracts were evaluated by 14 separate groups of abstract reviewers and scored for their merit based on which they were selected for oral or poster presentations. Finally, 185 abstracts were presented that included 40 oral abstracts. Over 30 State-of-the-art lectures were given in 5 concurrent sessions and 3 theme-based symposia that attracted large audiences and enthusiastic debate.

Abstract Categories/Submissions

abstract category	# rec'd
Appetite Regulation, Satiety, Obesity, and Nutrition.	7
Biliary, Pancreatic and Small Intestinal Physiology, Pathophysiology, and Clinical Disorders	6
Brain Gut Axis in Health and Disease and Animal Studies	10
Colon and Anorectum: Physiology, Pathophysiology, and Clinical Disorders	26
Electrogastrography, Electrical Control, and Gut Electrical Stimulation	6
Enteric Neurons: Development and Degeneration, Enteric Neurobiology and Circuitry	15
Esophageal Physiology, Pathophysiology, and Clinical Disorders	21
Epidemiology, Genetics, Cross-Cultural and Psychosocial Factors in Functional GI Disorders in Adults	19
Gastric Physiology, Pathophysiology, and Clinical Disorders	16
GI Motility and Functional GI Disorders in Children and Adolescents	13
Neuroimmune Modulation and Neural Control of Secretomotor, Vasomotor, Barrier and Other Gut Functions in Health and Disease	6
Pharmacotherapy, Pharmacogenomics, Probiotics, and Gut Ecology in Health and Disease	10
Signaling: Hormones, Neurotransmitters, Receptors, Channels, Secondary Messengers	16
Smooth Muscle and Interstitial Cells of Cajal in Health and Disease	9

The scientific meeting began with a poster session that was lively. Each poster was reviewed by two experts in the field and graded for its merit on presentation style and knowledge of the presenter. Four awards were given at the banquet for the best Clinical and best Basic Science poster and two runners up in each category as judged by the experts.



Poster Award winners: *Kalyani Meduri, University of Iowa Hospitals and Clinics, Caroline Lemoine, Chu Ste-Justine, Arun Chaudhury, VA Boston HealthCare System & Harvard Medical School, and Tricia Smith, Virginia Commonwealth University*

The plenary session saw two outstanding presentations one on hot topics in basic science by Dr. K. Sharkey and one on clinical advances by Dr. H. Parkman. This was followed by 10 plenary session oral abstracts. The highlight of the morning session was the 2nd ANMS Tripuraneni Oration, our Society's highest honor. Professor Jeffery I. Gordon from Washington University was the recipient this year and he gave a superb and brilliant oration entitled "Dining in with trillions of fascinating friends: exploring our human gut microbiome in health and disease".

The evening banquet was attended by 300 guests and was held at the St. Louis Jefferson Memorial Arch - a tribute to our forefathers and pioneers. This was a truly memorable evening that included tram visits to the top, viewing the westward journey museum and a superb dinner that was ably planned by our local organizing team: Prakash Gyawali, Charlene Prather, and Greg Sayuk. It was fitting to have this meeting at

St Louis, a place where Ray Clouse worked and championed the understanding and treatment of many esophageal diseases including the pioneering work on high resolution esophageal manometry. Our preliminary evaluation of the meeting was generally positive.



Right to Left: S Rao, S Rao, P Rao, G Sayuk, L Chang, N Ameen, G Mawe, K Browning, K Sharkey, M Camilleri, C Prather, and A Lembo at the head table during the banquet at the St Louis Arch.

Young Investigator Forum

The annual ANMS-FBG Young Investigator's meeting was a success! Fifteen junior investigators from 5 countries participated. In addition to presenting their work at the ANMS-FBG research meeting, they also were involved in lectures designed to help them succeed in academic medicine by an outstanding faculty that included Ronnie Fass, Lin Chang, Satish Rao, Udi Ringel, Max Schmulson, and Shanthi Srinivasan. Some of the highlights included Dr. Fass' lecture on how to give a dynamic presentation and Dr. Chang's lecture on how to find the right mentor. Keep your eye out for information about the next ANMS-FBG Young Investigator's meeting in July, 2012.



Young InvestigatorAwardees2011: *Arthur Beyder, Mayo Clinic, Caroline Cobine, University of Nevada, Reno, Shuangsong Hong, University of Michigan, Johanna Iturrino, Mayo Clinic College of Medicine, Masaaki Kurahashi, University of Nevada Reno, Shiyong Li, Veterans Research Foundation, Sunila Mahavadi, Virginia Commonwealth University, Yasmin Nasser, University of British Columbia, Karen-Anne M. Neufeld, McMaster University, Behdash G. Nezami, Emory University, Jane A. Roberts, University of Vermont, Andreas Stengel, Charite Medical Center, Stephanie Willot, Tours University Hospital, Jieyun Yin, University of Texas Medical Branch, Yanbo Yu, Qilu Hospital of Shandong University*

Ongoing Projects of ANMS



Digestive System Motility Biomarker Qualification Project Co-sponsored by Food and Drug Administration and ANMS-FBG Joint Society

Report by Michael Camilleri

The ANMS-FBG continues to have dialog with FDA on Biomarker qualification. Given the regulations on quality control beyond the need to document performance characteristics and responsiveness to therapy, the Council decided that the biomarkers in motility and sensation that are likely to meet approval by FDA are those that include the detailed quality control characteristics that are typically prepared by device manufacturers. Therefore, the ANMS-FBG will propose partnership with such device industries to apply for Biomarker Qualification in lieu of the prior "test case" of colonic transit by scintigraphy.

Research Committee

Chair: Helen Raybould

Vice Chair: Margaret Heitkemper

Members: Kirsteen Browning, Gary Mawe, Ravi Mittal, Magnus Simren, and John Wiley

The **Research Committee** led by Helen Raybould reviewed several meritorious applications for 2010-2011 and awarded two **ANMS Research Grants** to outstanding basic and translational projects. Grant awardees are: **Gerard Clarke** from the University College Cork entitled "Kynurenine Pathway Metabolites as Novel Translational Biological Markers of Irritable Bowel Syndrome (IBS): Relationship to Gastrointestinal Function, Cognition and Co-morbid Depression" and **Miriam Goebel-Stengel** from Charité University Medical Center entitled "Role of brain-derived neurotrophic factor in irritable bowel syndrome."

2011-2012 ANMS Research Grant Program The ANMS will again offer the research grants program in 2011. The number of awards and dollar amount will depend on the success of fund raising efforts, but the ANMS plans to offer a minimum of two awards at \$30,000 each. The awards are intended to facilitate development of larger extramural grant applications and to promote career development of young investigators. The submission deadline will be **November 11, 2011**. Award notification will be made my mid-December, 2011 and the award start date will be January, 2012. For more information on selection criteria, eligibility, please consult the website <http://www.motilitysociety.org>

2012 FNM (NGM) Scientific Planning Committee meeting, Bologna

In March, 2011, 4 ANMS and ESNM members met in Bologna for a 2 day scientific planning meeting. The meeting was very productive and successful; several clinical and basic science workshops and scientific fora were identified with input from all members that should generate substantial interest and debate. Several exciting topics, controversies and latest advances in our field will be discussed. Stay tuned for details.



*ANMS-ESNM Scientific Planning Committee, Bologna, 2011
Right to Left G Barbara, D Grundy, S Rao, A Smout, L Chang, V Stanghellini, T Shea-Donohue, K Sanders, I Deportere, R De Giorgio*

Upcoming Meetings:

Digestive Disease Week: May 20-22, 2012 in San Diego, California. Visit our ANMS-FBG Booth #4533 in Foundation Row

7th Postgraduate Course on Gastrointestinal Motility & Neurogastroenterology in Clinical Practice.

Meeting Dates: July, 2012, Chicago, Illinois

Highlights of the meeting will include:

Live demonstrations of:

- Esophageal/anorectal manometry, Breath tests, and Wireless motility capsule
- Pediatric Motility
- Workshops by renowned faculty
- Dedicated workshops for Nurses, Trainees & Beginners
- Young Investigator Forum

2012 NGM Joint International Meeting

Meeting Dates: September 6 – 8, 2012, Bologna, Italy

Abstract Deadline: March 31, 2012

For further information go to: www.ngm2012.org

Membership Committee

Chair: Beverley Greenwood van Meerveld

Vice Chair: Ronnie Fass

Members: Jiande Chen and Bruce Naliboff

The Membership Committee continues its membership drive with the overall goal of doubling the number of members over the next 3 years. Towards this goal, the membership committee has recently developed a membership survey that has been mailed

to all ANMS-FBG members. We encourage you to complete this survey so that we can meet the needs of our membership. Furthermore, we would like to request that you continue to nominate your colleagues, trainees, post-doctoral fellows and students to become ANMS-FBG members. Renewal notices will be emailed out mid- November. The benefits of joining the society are numerous and include a subscription to *Neurogastroenterology and Motility*, copies of the Recorder, and reduced registration fees to our ANMS meetings.

Please note there are now four types of memberships for our society:

1. Regular Member - \$150
2. Trainee Member – \$50
(Graduate students GI Fellows, Post-docs)
3. Auxiliary Member – \$50
(Nurse, technician, nurse practitioner, physician assistant that assists in the practice of GI motility and functional GI disorders)
4. Emeritus Member: over 70 years of age, receive electronic version only with no membership fee. Such members are approved by the Council after application to the Society.

Education Committee

Chair: Adil Bharucha

Vice Chair: Brennan Spiegel

Members: Prakash Gyawali, Hayat Mousa, Tony Lembo

The 6th Postgraduate Course on Gastrointestinal Motility and Neurogastroenterology in Clinical Practice held in St. Louis in September attracted over 275 attendees and we have received rave reviews. Thirty seven faculty did a spectacular job with live demonstrations, didactic lectures and interactive workshops and case-based discussions.



S Rao and G Sayuk preparing for live motility demonstration

A new Committee that includes nurses has already met and plans are underway for the 7th Postgraduate Course on Gastrointestinal Motility & Neurogastroen-

terology in Clinical Practice to be held in July, 2012 in Chicago.

The **Clinical Training Program** will train another 20-25 GI fellows during 2011-12. A Program Director's meeting will be held during ACG in Maryland, October 2011. We have 10 centers (Cedars Sinai Medical Center, Medical College of Wisconsin (Adult) and Children's Hospital of Wisconsin (Pediatrics), Milwaukee, WI, Georgia Health Sciences University, Augusta, GA, Nationwide Children's Hospital, Columbus, OH, Penn State Milton S. Hershey Medical Center, Hershey, PA, Temple University, Philadelphia, PA, Texas Tech, El Paso, TX, University of Michigan, Ann Arbor, MI, University of North Carolina at Chapel Hill, NC and Wake Forest University, Salem, NC).

This year, 20 GI Fellows will be spending a one month rotation at one of these 10 GI Motility Centers of Excellence to learn the art and practice of neurogastroenterology with a special emphasis on learning various GI motility procedures that are used to evaluate patients with these disorders. This should provide a strong foundation for a better understanding of GI motility problems and its treatment. The program has received excellent reviews by both the GI fellows and the faculty; the reviews were critically appraised and enthusiastically endorsed for continuation of the program by the ANMS Council,. If you are interested, visit the ANMS-FBG website and fill out an on-line application for the 2011-2012 academic year. The ANMS-FBG is committed to continue this training program. This program was made possible through unrestricted grant support from *The SmartPill Corporation and Medical Measurement Systems*

Clinical Practice Committee

Chair: Lin Chang

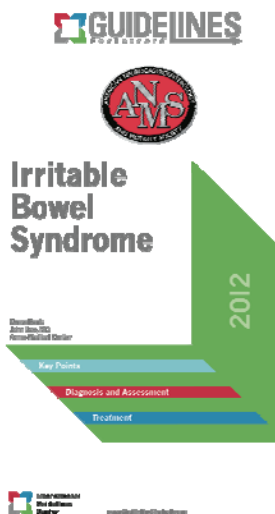
Vice Chair: Carlo DiLorenzo

Members: John Pandolfino, Michael Vaezi, Henry Parkman

The Clinical Practice Committee has been working on several exciting projects. One is **Patient Education Brochures**, which were developed by ANMS-FBG members and focus on common GI motility procedures and motility and functional GI conditions. Currently, we are offering brochures on achalasia, chronic intestinal pseudoobstruction, constipation, fecal incontinence, gastroparesis, gastroesophageal reflux disease (GERD), and irritable bowel syndrome (IBS). There are also motility procedure brochures on anorectal manometry, biofeedback therapy, esophageal pH monitoring. Development of these educational brochures was possible through an unrestricted educational grant from Sucampo Pharmaceuticals, Inc. and Takeda Pharmaceuticals North America, Inc. The patient educational brochures are currently available on our ANMS-FBG website at www.motilitysociety.org.

The Clinical Practice committee is also implementing the formation of committees who will be critically reviewing the literature and writing **Consensus and Guidelines papers** in the field of neurogastroenterology and motility. Dr. Reza Shaker has agreed to chair a committee on the evaluation and management of oropharyngeal dysphagia. Drs. Satish Rao and Adil Bharucha will be co-chairing a committee on anorectal biofeedback. Other topics that are currently being considered are esophageal motor disorders. A collaborative effort between ANMS-FBG (Chung Owyang, Emeran Mayer, Satish Rao, and Tony Lembo) and ESNM (Michael Fried, Stephan Müller-Lissner, Peter Whorwell) members is underway to write a systematic review and meta-analysis of drug treatment for chronic constipation and IBS with constipation. We are also planning to form a committee on Esophageal Motor Function.

One of the committee's newest endeavors is the development of **Guideline Pocketcards**. The ANMS-FBG is collaborating with International Guidelines Center (IGC), which is an organization dedicated to providing evidence-based, clinical decision-support, quick-reference tools to healthy care professionals. Pocketcards on the following topics are currently being developed: 1) Constipation (Adil Bharucha and Satish Rao), Dysphagia (Benson Massey and C. Prakash Gyawali), Gastroparesis (Henry Parkman and Bill Hasler), and Irritable Bowel Syndrome (Lin Chang and Tony Lembo). We hope to have them completed very soon.



Irritable Bowel Syndrome (Lin Chang and Tony Lembo). We hope to have them completed very soon.

IFFGD Annual Digestive Health Advocacy Day

On June 14 and 15, 2011 advocates from across the country traveled to Washington, DC for IFFGD's annual *Digestive Health Advocacy Day*. Several IFFGD staff members and representatives were joined by a diverse group of patients as well as one physician to educate their congressional representatives about functional GI and motility disorders and the need to fund research. Traveling in teams, we met with the Capitol Hill offices of Members of Congress and asked for support of a legislative agenda focused on increasing research and improving patient care. This included, 1) increased funding for the NIH; 2) introduction and passage of the *Functional GI and Motility Disorders Research Enhancement Act*; 3) including "Functional GI Disorders" within Department of Defense medical research activities; and 4) re-introduction and passage of the *Pediatric Consortium Establishment Act*.



Digestive Health Advocates Gather in Washington, DC

The Functional GI and Motility Disorders Research Enhancement Act has now been introduced in the House (HR 2239) and the other items are included and under consideration in the Fiscal Year 2012 budget process. We invite you to visit our web site at www.iffgd.org to learn more.

Committee exploring consensus name for our merged ANMS-FBG Society Report by Henry Parkman

As mandated by the merger discussions, the ANMS-FBG council has charged the following committee, Henry Parkman (Chair), Bill Chey, Gianrico Farrugia, Bruce Naliboff and Reza Shaker to report to the council suggestions for an appropriate name(s) for our merged ANMS-FBG Society by December 2010. The committee has met on several occasions to discuss the need to have the name reflect the mission and goals of the merged society as well as align this with our journal, and on a more concrete level, the costs and legal implications involved in society name changes. Based on committee recommendations, the following options were approved by the Council and members will be asked to vote soon.

1. **Continue to use American Neurogastroenterology and Motility Society (ANMS).** This will help to maintain symmetry with names of other international societies (ESNM, ANMA) and our journal, and reflects our tradition and how we are perceived in the clinical arena (motility) and the term neurogastroenterology that has been encompassed by all members of our field.
2. **Use a new name** – This might be a simple name with tag line: Examples:
American Society of Neurogastroenterology (ASN)
American Neurogastroenterology Society (ANS).

The ANMS Journal: *Neurogastroenterology and Motility*

At the end of 2011, the current editors of the journal, Drs. Keith Sharkey, Jan Tack, and Joe Szurszewski will step down after three years of active and committed service. The incoming editor's are Dr. Gianrico Farrugia, of the Mayo Clinic, Dr. Magnus Simren, of the University of Gothenburg, and Dr. Gary Mawe, from the University of Vermont. Dr. Farrugia will concentrate on basic science submissions, Dr. Simren will be the clinical science editor, and Dr. Gary Mawe will handle review articles for the journal. The current impact factor of the journal is 3.349.

The winner of the *Neurogastroenterology and Motility* cover contest for 2012 was submitted by one of our members, Dr. Satish Rattan, of Thomas Jefferson University in Philadelphia. The illustration includes 3D surface intensity images of RhoA (red) and PKCa (green) immunofluorescence in human internal anal sphincter smooth muscle cells.



Exhibitors at the 2011 ANMS-FBG Meeting, St. Louis



Poster Session at the 2011 ANMS-FBG Scientific Meeting, St. Louis

Officers of the American Neurogastroenterology and Motility Society (ANMS-FBG)

- | | |
|------------------------------|---------------------------------------|
| Satish S. C. Rao, MD, PhD | <i>President</i> |
| Lin Chang, MD | <i>President-Elect</i> |
| Carlo DiLorenzo, MD | <i>Secretary</i> |
| John Wiley, MD | <i>Treasurer</i> |
| James Galligan, PhD | <i>Councilor</i> |
| Gary M. Mawe, PhD | <i>Councilor</i> |
| Adil Bharucha, MD | <i>Councilor</i> |
| Anthony Bauer, PhD | <i>Councilor</i> |
| Jiande Chen, PhD | <i>Councilor</i> |
| Beverly Greenwood, PhD | <i>Councilor</i> |
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| Margaret Heitkemper, RN, PhD | <i>Councilor</i> |
| Richard McCallum, MD | <i>Councilor</i> |
| Bruce Naliboff, PhD | <i>Councilor</i> |
| Helen Raybould, PhD | <i>Councilor</i> |
| Reza Shaker, MD | <i>Councilor</i> |
| Magnus Simrén, MD, PhD | <i>Councilor</i> |
| Brennan Spiegel, MD, MSHS | <i>Councilor</i> |
| Ann Ouyang, MD | <i>Representative to NGM</i> |
| Ronnie Fass, MD | <i>Representative to NGM</i> |
| Michael Camilleri, MD | <i>Immediate Past President, ANMS</i> |
| Emeran A. Mayer, MD | <i>Immediate Past President, FBG</i> |
| Nancy Norton | <i>Ad Hoc Councilor</i> |
| Lori Ennis | <i>Executive Director</i> |

Acknowledgments

The American Neurogastroenterology and Motility Society-Functional Brain-Gut Research Group gratefully acknowledges the generous support of independent medical educational grants from the following companies:

Benefactors

- Forest Research Institute (a subsidiary of Forest Laboratories, Inc. and Forest Pharmaceuticals)
- Salix Pharmaceuticals, Inc.
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ANMS-FBG sincerely acknowledges the generous support of all our sponsors including 2011 ANMS-FBG Meeting Sponsors



Save the Date



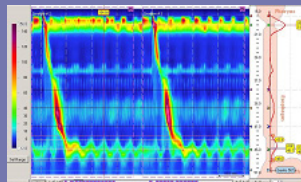
July 27–29, 2012

7th Postgraduate Course on
**Gastrointestinal Motility and
 Neurogastroenterology in Clinical Practice**
 Chicago, Illinois

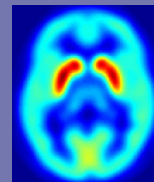
Highlights

- Live demonstrations of esophageal and anorectal manometry, breath tests, and the wireless motility capsule
- Pediatric motility
- Workshops by renowned faculty
- Dedicated workshops for nurses, trainees, & beginners
- Young investigator forum

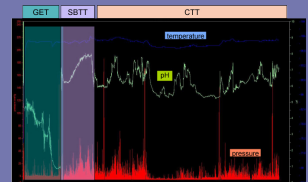
High-resolution esophageal pressure topography



PET image showing neurokinin-1 receptor density in the brain



Wireless capsule manometry



For more information: www.motilitysociety.org

Young Investigator Forum
 Abstract Deadline: March 2, 2012



This educational activity is co-provided/co-sponsored by American Neurogastroenterology and Motility Society/ Functional Brain-Gut Research Group and University of Kansas Medical Center Continuing Education.

Save the Date  July 27–29, 2012

7th Postgraduate Course on

Gastrointestinal Motility and Neurogastroenterology in Clinical Practice

Chicago, Illinois

Young Investigator Forum

Abstract Deadline: March 2, 2012



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