The 2013 Digestive Disease Week takes place in Orlando, Florida, May 18–21. This is the most important event for our subspecialty. 2013 is another stellar year for the Division. Two of our senior faculty will receive top recognition from the American Gastroenterological Association and the American Society for Gastrointestinal Endoscopy. Dr. Grace Elta will receive the 2013 AGA Distinguished Clinician Award and the 2013 ASGE Distinguished Educator Award. Dr. Chung Owyang will receive the 2013 Julius Friedenwald Medal from the AGA. Despite the ever-increasing clinical duties and the tightening of NIH funding, the Division has another record-breaking year in the number of presentations by our fellows and faculty at DDW. We have 39 platform presentations, 39 posters, and 4 abstracts chosen to be presented at the Distinguished Abstract Plenary Sessions. The wide range of important topics that will be covered include colon cancer biology, pain in chronic pancreatitis, molecular imaging, *H. pylori* and innate immunity, Barrett’s esophagus, the brain–gut axis, mechanisms of the FODMAP diet in IBS, the emerging role of microbiota in functional bowel disorders, and new treatment options for opioid-induced constipation. Multiple faculty from our Division will be participating in Meet-the-Professor Luncheons and panel discussions as well as the AGA and ASGE Postgraduate Courses.
DDW 2013 Awards and Recognition

We are proud to announce the following award recipient from the University of Michigan Division of Gastroenterology who will be recognized at DDW 2013.

Chung Owyang, MD

2013 Julius Friedenwald Medal
American Gastroenterological Association

The AGA bestows the Julius Friedenwald Medal on Chung Owyang, MD, for his lifelong contributions to the field of gastroenterology and the AGA. The Friedenwald Medal is the highest honor the AGA bestows on a member.

Dr. Owyang has dedicated his distinguished, 34-year career to the field of gastroenterology and to the service of the AGA and its membership. Dr. Owyang is a world-class investigator, professor, mentor and leader who has provided outstanding and remarkable contributions and dedication to the field. Dr. Owyang’s impressive career includes overseeing and building one of the truly elite GI programs in the U.S., while making many important discoveries through his own research program. His contributions to the AGA include serving as chair of the AGA International Committee from 2003 to 2006 and as director for the AGA Postgraduate Course in 1997 and 1998. He has also been a member of the AGA Research Policy Committee, AGA Nominating Committee, the AGA Council and various abstract selection committees. In addition to his service to the AGA, he has been a permanent NIH study section member. Dr. Owyang provides constant education to the GI community through his academic roles, and he has trained more than 50 investigators. His trainees are currently practicing in academic units of gastroenterology, surgery, nutrition or physiology in the U.S. and abroad. Notably, he received the 2010 AGA Distinguished Mentor Award. Dr. Owyang’s accomplishments are all the more admirable because of the personal qualities of unwavering integrity and humility he brings to all of his endeavors. He works constantly for the betterment of his faculty and trainees. His humble attributes, yet incredible and unrelenting passion to serve the field, his faculty and co-workers, are reflected in his durable and unmatched success over the years.
DDW 2013 Awards and Recognition

We are proud to announce the following award recipient from the University of Michigan Division of Gastroenterology who will be recognized at DDW 2013.

Grace Elta, MD

2013 Distinguished Clinician Award
American Gastroenterological Association

2013 Distinguished Educator Award
American Society for Gastrointestinal Endoscopy

Dr. Elta is a highly acclaimed, sought-after gastroenterologist who has served for more than 10 years as the medical director of the University of Michigan’s medical procedures unit (MPU) and associate chief of clinical programs. Under Dr. Elta’s leadership, the MPU is considered by many as a model for all endoscopy units in the nation today, largely due to her vision for providing care that is seamless, thoughtful and comprehensive. In recognition of her enormous contribution to clinical gastroenterology at the University of Michigan, she was awarded the Dean’s Outstanding Clinician Award in 2010. Dr. Elta has achieved local and national recognition for her patient care and clinical research activities, particularly in the area of pancreatic and biliary disease and inflammatory bowel disease. She is consistently selected for “Best Doctors in America,” as well as Hour Detroit’s “Best Doctors.” Dr. Elta has published 85 peer-reviewed journal articles, with the most recent article appearing in the New England Journal of Medicine in 2012. She has also developed many of the current guidelines in regards to both training and determination of competence in the pancreaticobiliary arena. Along with her skills as an outstanding clinician and investigator, Dr. Elta has been an outstanding educator and mentor, passionate about sharing her expertise with learners from students to expert colleagues. Over the past twenty years, she has given more than 200 lectures to all of the major medical societies at the university, nationally and internationally. Dr. Elta has been awarded the House Officer Teaching Award, Golden Enema Award and Excellence in Teaching Award, the latter two awards given by University of Michigan fellows for her constant professional support and dedication to teaching. In addition to the countless committees she has served on at the university, Dr. Elta has had a profound impact at the national level. She has been an active member of the AGA for more than 20 years, and in 2012 was honored with the AGA Council Section Research Mentor Award. She has also held noteworthy positions at the American Society for Gastrointestinal Endoscopy, where she served as its president from 2007 to 2008. Dr. Elta received her undergraduate and medical education at the University of Michigan, where she also completed her medical internship. She went on to Tufts New England Medical Center, Boston, MA, for her medical residency and GI fellowship prior to returning to Ann Arbor in 1982 when she joined the University of Michigan’s GI faculty. She has remained at the University of Michigan for her entire career.
Distinguished Abstract Plenary Sessions

Saturday, May 18, 2013

Presidential Plenary • AGA/ASGE

8:49 AM 415 – Valencia

Nortriptyline for idiopathic gastroparesis: a multicenter, randomized, double-masked, placebo-controlled trial (NORIG)


10:25 AM 415 – Valencia

Applying genetics in clinical practice: screening and management of colorectal cancer

John M. Carethers

Neurogastroenterology and Motility

4:57 PM 102AB

FODMAP diet modulates visceral nociception by changing gut microbiota and intestinal inflammation

ShiYi Zhou, Pornchai Leelasinjaroen, Xiaoyin Wu, Hui Zhou, Yuanxu Lu, Il Song, Chung Owyang

Sunday, May 19, 2013

Translational Plenary • AASLD

8:45 AM 202C

Genetic inhibition of keratin digestion by caspases promotes hepatocyte injury via apoptosis and necrosis pathways

Sujith Weerasinghe, Nam-On Ku, Peter J. Altshuler, David Moons, Bishr M. Omary

Monday, May 20, 2013

Clinical Practice

4:18 PM 206AB

Effect of a health system’s medical error disclosure program on gastroenterology-related claims rates and costs

Megan A. Adams, B. Joseph Elmunzer, James M. Scheiman
### Saturday, May 18, 2013

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<thead>
<tr>
<th>Time</th>
<th>Room</th>
<th>Event</th>
<th>Moderators</th>
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<tbody>
<tr>
<td>2:00 – 3:30 PM</td>
<td>304CD</td>
<td>AGA Research Forum</td>
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<tr>
<td>08:30 – 17:30</td>
<td>206AB</td>
<td>AGA Clinical Symposium</td>
<td>Grace H. Elta, Adam J. Goodman</td>
</tr>
<tr>
<td>10:00 – 11:30</td>
<td>304EF</td>
<td>Imaging benign and malignant biliary strictures and stones</td>
<td>Grace H. Elta, Adam J. Goodman</td>
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<tr>
<td>2:00 – 3:30 PM</td>
<td>304EF</td>
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<td>4:00 – 5:30 PM</td>
<td>205B</td>
<td>AGA Research Forum</td>
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<tr>
<td>4:00 – 5:30 PM</td>
<td>207</td>
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<td>2:00 – 3:30 PM</td>
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<tr>
<td>8:00 – 9:30 AM</td>
<td>207</td>
<td>AGA Special Session</td>
<td>Grace H. Elta, Colleen M. Schmitt</td>
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<tr>
<td>8:00 – 9:30 AM</td>
<td>300</td>
<td>AGA Research Symposium</td>
<td>William D. Chey, Anthony Lembo</td>
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<tr>
<td>8:00 – 9:30 AM</td>
<td>205A</td>
<td>AGA Research Symposium</td>
<td>John I. Allen, Philip S. Schoenfeld</td>
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<td>10:00 – 11:30</td>
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<td>AGA Research Forum</td>
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<tr>
<td>2:00 – 3:30 PM</td>
<td>109A</td>
<td>AGA Research Forum</td>
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### Tuesday, May 21, 2013

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<tr>
<td>2:00 – 3:00 PM</td>
<td>206AB</td>
<td><strong>AGA State-of-the-Art Lecture</strong>&lt;br&gt;Explaining sexual dimorphism in liver cancer: Sex hormones and foxes&lt;br&gt;<em>Moderator:</em> Linda C. Samuelson</td>
</tr>
<tr>
<td>2:00 – 3:30 PM</td>
<td>205C</td>
<td><strong>ASGE Topic Forum</strong>&lt;br&gt;Upper GI small bowel imaging: polyps, biopsies, &amp; endoscopic histology&lt;br&gt;<em>Moderators:</em> Priya A. Jamidar, Laurel Fisher</td>
</tr>
<tr>
<td>2:00 – 3:30 PM</td>
<td>415 – Valencia D</td>
<td><strong>AGA Clinical Symposium</strong>&lt;br&gt;Near-term pipeline drugs in IBD&lt;br&gt;<em>Moderators:</em> Jean-Frederic Colombel, Peter D. Higgins</td>
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<tr>
<td>2:00 – 3:30 PM</td>
<td>304GH</td>
<td><strong>AGA Clinical Symposium</strong>&lt;br&gt;Fecal transplantation for <em>C. difficile</em> disease: Is it ready for prime time?&lt;br&gt;<em>Moderators:</em> Carol E. Semrad, John Y. Kao</td>
</tr>
<tr>
<td>2:00 – 3:30 PM</td>
<td>202C</td>
<td><strong>AGA Clinical Symposium</strong>&lt;br&gt;Enhanced endoscopic imaging for the early detection of dysplasia and cancer&lt;br&gt;<em>Moderators:</em> Frank G. Gress, Thomas D. Wang</td>
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<tr>
<td>4:00 – 5:30 PM</td>
<td>204</td>
<td><strong>AGA Distinguished Abstract Plenary</strong>&lt;br&gt;Pancreatic disorders&lt;br&gt;<em>Moderators:</em> Christopher E. Forsmark, Matthew J. DiMagno</td>
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<td>5:30 – 6:30 PM</td>
<td>TBD</td>
<td><strong>AGA Special Session</strong>&lt;br&gt;AGA Section Education &amp; Networking Exchange II&lt;br&gt;<em>Moderators:</em> David A. Katzka, Prateek Sharma, Ellen Zimmermann, Kelly Tappenden, Daniel C. Chung, Christopher E. Forsmark</td>
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### Tuesday, May 21, 2013

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<tr>
<td>10:00 – 11:30 AM</td>
<td>205B</td>
<td><strong>AGA Late-Breaking Abstract Session</strong>&lt;br&gt;Late-breaking abstract (basic)&lt;br&gt;<em>Moderators:</em> Juanita L. Merchant, Timothy C. Wang</td>
</tr>
<tr>
<td>4:00 – 5:30 PM</td>
<td>104A</td>
<td><strong>AGA Committee-Sponsored Symposium</strong>&lt;br&gt;Best of AGA at DDW in Chinese&lt;br&gt;<em>Moderators:</em> Chung Owyang, Yunsheng Yang</td>
</tr>
</tbody>
</table>
Research and Topic Forums

Saturday, May 18, 2013

8:15 AM 203C
Cell-specific deletion of primary cilia on G-cells alters food induced gastrin secretion
Milena Saqui-Salces, Juanita L. Merchant

8:30 AM 206AB
Associations of Helicobacter pylori with symptoms of gastroesophageal reflux disease, erosive esophagitis, and Barrett’s esophagus
Joel H. Rubenstein, John M. Inadomi, James M. Scheiman, Philip S. Schoenfeld, Henry D. Appelman, Min Zhang, Val Metko, John Y. Kao

8:45 AM 308ABC
Psychological stress downregulates intestinal TLR2/MYD88 pathway resulting in Paneth cell dysfunction and gut dysbiosis in rats
Dabo Xu, Chanjuan Zhong, Merritt Gilliland, Il Song, Xiaoyin Wu, Chung Owyang

9:00 AM 203C
Ghrelin inhibits vagal sensory neurons via activation of KATP channels: Implication on a peptide
Gintautas Grabauskas, Xiaoyin Wu, Yuanxu Lu, Shi-Yi Zhou, Il Song, Chung Owyang

2:00 PM 314A
Estimated race- and sex-specific incidence of esophageal squamous cell carcinoma in individuals with exposure to tobacco and alcohol
Anoop Prabhu, Kenneth Obi, Joel H. Rubenstein

Saturday, May 18, 2013

2:15 PM 202C
Upregulation of bile acid receptor (TGR5) and nNOS in the gastric myenteric plexus is responsible for delayed gastric emptying following chronic high fat feeding in rats
Hui Zhou, Shi-Yi Zhou, Yuanxu Lu, Chung Owyang

2:45 PM 304GH
Associations of hyperinsulinemia and diabetes mellitus with Barrett’s esophagus
Joel H. Rubenstein, Hal Morgenstern, Daniel S. McConnell, James M. Scheiman, Philip S. Schoenfeld, Henry D. Appelman, Val Metko, John M. Inadomi

3:00 PM 313
H. pylori-induced immune tolerance is mediated by TLR-2 in mice
Stephanie Y. Owyang, Min Zhang, Xia Sun, John Y. Kao

3:15 PM 202C
State-of-the-Art: Epigenetics and the ENS
John W. Wiley
Research and Topic Forums

**Sunday, May 19, 2013**

**6:30 – 7:45 AM**  
Peabody Hotel – Rainbow Spring  
Focused Clinical Update  
Colorectal cancer screening and surveillance  
Robert E. Schoen, Sameer D. Saini

**2:00 PM**  
A large international multicenter experience with an over-the-scope clipping device for endoscopic management of gastrointestinal perforations, fistulae, and leaks in 188 patients  
Yamile Haito Chavez, Thomas Kratt, Joanna K. Law, Alberto Arezzo, Reem Z. Sharaiba, Jan-Werner Poley, Michel Kahaleh, Christopher C. Thompson, Michele B. Ryan, Neel Choksi, B. Joseph Elmunzer, Sonia Gosain, Eric M. Goldberg, Rani J. Modayil, Stavros Stavropoulos, Drew B. Schembre, Christopher J. DiMaio, Vinay Chandrasekhar, Muhammad Hasan, Shyam Varadarajulu, Robert Hawes, Victoria Gomez, Timothy A. Woodward, Sergio Rubel Cohen, Fernando Fluxa, Frank P. Vleggaar, Gottumukkala S. Raju, Mouen Khashab

**3:15 PM**  
State of the Art: Foods, Fads and Fodmaps  
William D. Chey

**Monday, May 20, 2013**

**8:30 AM**  
Uroguanylin-GUCY2C brain gut axis regulating feeding behavior is mediated by nodose ganglia HCN2 ion channel  
Fernando Ochoa-Cortes, Yuanxu Lu, Shi-Yi Zhou, Chung Owyang

**10:15 AM**  
Stress-induced corticotropin releasing hormone mediated Nlrp6 inflammasome inhibition and transmissible enteritis in mice  
Yundong Sun, Min Zhang, Chun-Chia Chen, Merritt Gilliland, Xia Sun, Gary B. Huffnagle, Vincent B. Young, JiaJie Zhang, Soon-Cheol Hong, Yu-Ming Chang, Mohamad El-Zaatari, Deborah L. Gumucio, Chung Owyang, John Y. Kao
### Monday, May 20, 2013

**10:15 AM**  
307D  
**Targeted vertical cross-sectional imaging with near-infrared dual axes confocal fluorescence endomicroscope**  
Zhen Qiu, Supang Khondee, Xiyu Duan, Bishnu P. Joshi, Emily Rabinsky, Kenn R. Oldham, Katsu Kurabayashi, [Thomas D. Wang](mailto:thomas.wang@mednet.ucla.edu)

**10:30 AM**  
310  
**Association of low numbers of CD206-positive cells with loss of ICC in the gastric body of patients with diabetic gastroparesis**  

**11:00 AM**  
307D  
**Quantitative targeted wide area in vivo imaging of neoplasia in Barrett’s esophagus**  
[Cyrus R. Piraka](mailto:cyrus.piraka@mednet.ucla.edu), Yi-Chen Chen, Xiyu Duan, [B. Joseph Elmunzer](mailto:b.joseph.elmunzer@mednet.ucla.edu), Richard S. Kwon, Henry D. Appelman, Scott R. Owens, D. K. Turgeon, [Thomas D. Wang](mailto:thomas.wang@mednet.ucla.edu)

**2:15 PM**  
104A  
**PGE₂, which activates HCN2 ion channel in dorsal root ganglia mediates**  
Gintautas Grabauskas, Dabo Xu, Il Song, [Chung Owyang](mailto:chung.owyang@mednet.ucla.edu)

**2:30 PM**  
104A  
**Chronic stress-induced visceral hyperalgesia: molecular evidence for corticosterone (CORT)-mediated reduction in cannabinoid receptor type 1 (CB1) via functional glucocorticoid response element (GRE) on CB1 promoter in an epigenetic manner**  
Gen Zheng, Shuangsong Hong, [John W. Wiley](mailto:john.wiley@mednet.ucla.edu)

**Tuesday, May 21, 2013**

**8:15 AM**  
310  
**Efficacy and safety of naloxegol in patients with opioid-induced constipation: results from 2 prospective, randomized, controlled trials**  
[William D. Chey](mailto:william.chey@mednet.ucla.edu), Lynn Webster, Mark Sostek, Jaakko N. Lappalainen, Peter N. Barker, Jan F. Tack

**1:15 PM**  
304GH  
**AGA – Curbside Consultant**

**Pancreatic cystic lesions**

[J. M. Scheiman](mailto:j.m.scheiman@mednet.ucla.edu)
## Saturday, May 18, 2013

**8:15 AM**

Efficacy and safety of naloxegol in patients with opioid-induced constipation: results from 2 prospective, randomized, controlled trials

*William D. Chey, Lynn Webster, Mark Sostek, Jaakko N. Lappalainen, Peter N. Barker, Jan F. Tack*

### Sunday, May 19, 2013

**8:10 AM**

Young Investigator Award & Abstract of the Year • 313

AGA Gastroenterology Research Group Spring Symposium

Directed differentiation of human IPS cells into intestine

*Jason R. Spence*

**2:45 PM**

ASGE Co-sponsored Clinical Symposium – Management of Pancreatic Cysts in 2013

Putting it all together: Current best practice and 2012 international consensus guidelines

*Michele A. Anderson*

## Monday, May 20, 2013

**8:00 AM**

Mechanisms of chronic visceral pain – Lessons from IBS

*Chung Owyang*

**8:15 AM**

The character, measurement and consequences of pain

*Michele A. Anderson*

**10:00 AM**

Role of the endoscopist: diagnosis, staging, palliation

*Cyrus R. Piraka*

**2:00 PM**

5HT-3 receptor antagonists for nausea and vomiting – oral, intravenous, ODT, and transdermal

*William L. Hasler*

**2:20 PM**

Advice on career development as an under-represented minority - perspective of a senior academic physician-scientist

*John M. Carethers*

**2:22 PM**

Dysphagia

**5:00 PM**

What are the ethical considerations in the performance of colonoscopy in the elderly?

*Sameer D. Saini*
### Symposia

**Tuesday, May 21, 2013**

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<tbody>
<tr>
<td>4:30 PM</td>
<td>314A</td>
<td>What do the meta-analyses of FGID trials tell us? Point and counterpoint</td>
<td>Philip S. Schoenfeld</td>
</tr>
<tr>
<td>4:44 PM</td>
<td>104A</td>
<td>Best of AGA at DDW in Chinese</td>
<td>John Y. Kao</td>
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### DDW Courses

**Saturday, May 18, 2013**

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<tbody>
<tr>
<td>4:30 PM</td>
<td>415 – Valencia</td>
<td>Diagnostic testing in IBS: Culling the wheat from the chaff</td>
<td>Philip S. Schoenfeld, Brooks D. Cash</td>
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**Sunday, May 19, 2013**

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<tbody>
<tr>
<td>9:03 AM</td>
<td>415 – Valencia</td>
<td>The transformative role of patient portals in clinical practice</td>
<td>William D. Chey</td>
</tr>
<tr>
<td>12:10–1:10 PM</td>
<td>309B</td>
<td>Finding and eradicating <em>H. pylori</em> in 2013</td>
<td>William D. Chey</td>
</tr>
<tr>
<td>12:10–1:10 PM</td>
<td>314A</td>
<td>Hepatitis B updates</td>
<td>Anna S. Lok</td>
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### Meet-the-Professor Luncheons

**Sunday, May 19, 2013**

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<tr>
<td>12:30 – 1:45 PM</td>
<td>205B</td>
<td>Avoiding injuries during endoscopy</td>
<td>Grace H. Elta, Amandeep Shergill</td>
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<td>12:30 – 1:45 PM</td>
<td>205C</td>
<td>Gastroparesis</td>
<td>William L. Hasler</td>
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<tr>
<td>12:00 – 2:00 PM</td>
<td>Peabody Hotel</td>
<td>Prevention of post-ERCP pancreatitis: Take two rectal NSAIDs and call me in the morning</td>
<td>B. Joseph Elmunzer</td>
</tr>
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</table>
### Saturday, May 18, 2013

**8:15 AM • Symposium talk**

Efficacy and safety of naloxegol in patients with opioid-induced constipation: results from 2 prospective, randomized, controlled trials  

*William D. Chey,* Lynn Webster, Mark Sostek, Jaakko N. Lappalainen, Peter N. Barker, Jan F. Tack

**8:15 AM • Research Forum**

Cell-specific deletion of primary cilia on G-cells alters food induced gastrin secretion  

*Milena Saqui-Salces, Juanita L. Merchant*

**8:30 AM • Research Forum**

Associations of *Helicobacter pylori* with symptoms of gastroesophageal reflux disease, erosive esophagitis, and Barrett’s esophagus  

*Joel H. Rubenstein, John M. Inadomi, James M. Scheiman, Philip S. Schoenfeld, Henry D. Appelman, Min Zhang, Val Metko, John Y. Kao*

**8:45 AM • Research Forum**

Psychological stress downregulates intestinal TLR2/MYD88 pathway resulting in Paneth cell dysfunction and gut dysbiosis in rats  

*Dabo Xu, Chanjuan Zhong, Merritt Gilliland, Il Song, Xiaoyin Wu, Chung Owyang*

**8:49 AM • Presidential Plenary • AGA/ASGE**

Nortriptyline for idiopathic gastroparesis: a multicenter, randomized, double-masked, placebo-controlled trial (NORIG)  


**9:00 AM • Research Forum**

Ghrelin inhibits vagal sensory neurons via activation of KATP channels: Implication on a peptide  

*Gintautas Grabauskas, Xiaoyin Wu, Yuanxu Lu, Shi-Yi Zhou, Il Song, Chung Owyang*

**10:25 AM • Presidential Plenary • AGA/ASGE**

Applying genetics in clinical practice: screening and management of colorectal cancer  

*John M. Carethers*

### Saturday, May 18, 2013

**2:00 – 3:30 PM • Research Forum**

Hereditary colon cancer syndromes  

*Moderators: Elena M. Stoffel, Patrick M. Lynch*

**2:00 PM • Research Forum**

Estimated race- and sex-specific incidence of esophageal squamous cell carcinoma in individuals with exposure to tobacco and alcohol  

*Anoop Prabhu, Kenneth Obi, Joel H. Rubenstein*

**2:15 PM • Research Forum**

Upregulation of bile acid receptor (TGR5) and nNOS in the gastric myenteric plexus is responsible for delayed gastric emptying following chronic high fat feeding in rats  

*Hui Zhou, Shi-Yi Zhou, Yuanxu Lu, Chung Owyang*

**2:45 PM • Research Forum**

Associations of hyperinsulinemia and diabetes mellitus with Barrett’s esophagus  

*Joel H. Rubenstein, Hal Morgenstern, Daniel S. McConnell, James M. Scheiman, Philip S. Schoenfeld, Henry D. Appelman, Val Metko, John M. Inadomi*

**3:00 PM • Research Forum**

*H. pylori*-induced immune tolerance is mediated by TLR-2 in mice  

*Stephanie Y. Owyang, Min Zhang, Xia Sun, John Y. Kao*

**3:15 PM • Research Forum**

State-of-the-Art: Epigenetics and the ENS  

*John W. Wiley*

**4:30 PM • AGA Postgraduate Course**

Diagnostic testing in IBS: Culling the wheat from the chaff  

*Philip S. Schoenfeld, Brooks D. Cash*

**4:57 PM • Neurogastroenterology & Motility Plenary**

FODMAP diet modulates visceral nociception by changing gut microbiota and intestinal inflammation  

*Shi-Yi Zhou, Pornchai Leelasinjaroen, Xiaoyin Wu, Hui Zhou, Yuanxu Lu, Il Song, Chung Owyang*
## Sunday, May 19, 2013

### 6:30 – 7:45 AM • Focused Clinical Update  
**Peabody Hotel–Rainbow Spring**

Colorectal cancer screening and surveillance  
Robert E. Schoen, Sameer D. Saini

### 8:10 AM • AGA Gastroenterology Research Group Spring Symposium  
**313**

Young Investigator Award & Abstract of the Year  
Directed differentiation of human IPS cells into intestine  
Jason R. Spence

### 8:45 AM • Translational Plenary • AASLD  
**202C**

Genetic inhibition of keratin digestion by caspases promotes hepatocyte injury via apoptosis and necrosis pathways  
Sujith Weerasinghe, Nam-On Ku, Peter J. Altshuler, David Moons, Bishr M. Omary

### 9:03 AM • AGA Postgraduate Course  
**415 – Valencia**

The transformative role of patient portals in clinical practice  
William D. Chey

### 10:00 – 11:30 AM • AGA Clinical Symposium  
**206AB**

Imaging benign and malignant biliary strictures and stones  
*Moderators: Grace H. Elta, Adam J. Goodman*

### 12:10 PM – 1:10 PM • AGA Postgraduate Course  
**309B**

Finding and eradicating *H. pylori* in 2013  
William D. Chey

### 12:10 PM – 1:10 PM • AGA Postgraduate Course  
**314A**

Hepatitis B updates  
Anna S. Lok

### 12:30 – 1:45 PM • Meet-the-Professor Luncheon  
**205B**

Avoiding injuries during endoscopy  
*Grace H. Elta, Amandeep Shergill*

### 2:00 – 3:30 PM • Research Forum  
**304EF**

Stem cells: In vivo and in vitro  
*Moderators: Deborah C. Rubin, Jason R. Spence*

### 2:00 PM • ASGE Topic Forum  
**314A**

A large international multicenter experience with an over-the-scope clipping device for endoscopic management of gastrointestinal perforations, fistulae, and leaks in 188 patients  
Yamile Haito Chavez, Thomas Kratt, Joanna K. Law, Alberto Arezzo, Reem Z. Sharaia, Jan-Werner Poley, Michel Kahaleh, Christopher C. Thompson, Michele B. Ryan, Neel Choksi, B. Joseph Elmunzer, Sonia Gosain, Eric M. Goldberg,

### 2:44 PM • Lo Mejor de DDW: The Best of AGA at DDW in Spanish  
**202AB**

Colon cancer  
Elena M. Stoffel

### 2:45 PM • Symposium • Management of Pancreatic Cysts in 2013  
**414ABC**

Putting it all together: Current best practice and 2012 international consensus guidelines  
Michelle A. Anderson

### 3:00 PM • AGA Symposium  
**102AB**

Treatment of chronic HEV in immunosuppressed patients  
Robert J. Fontana

### 3:15 PM • Research Forum  
**206C**

State of the Art: Foods, Fads and Fodmaps  
William D. Chey

### 4:00 – 5:30 PM • Research Forum  
**205B**

Anorectal disorders  
*Moderators: Satish S. Rao, Richard J. Saad*

### 4:00 – 5:30 PM • Research Forum  
**207**

Imaging in IBD: Outcomes, activities, complications  
*Moderators: Ellen Zimmermann, Mark Reichelderfer*

### 4:00 PM • Research Forum  
**207**

In vivo molecular imaging using fluorescent anti-TNF antibodies and confocal LASER endomicroscopy predicts response to anti-TNF therapy in Crohn's disease  

### 4:15 PM • Research Forum  
**207**

Magnetization-transfer MRI as a non-invasive method of assessing fibrotic intestinal strictures in patients with Crohn's disease  
Karl Helvie, Muhammad Dhanani, Mahmoud M. Al-Hawary, Jordi Rimola, Darashana Punglia, Jeremy Adler, Ellen Zimmermann
### Sunday, May 19, 2013

- **4:36 PM • Symposium talk** 104A
  Overuse of EGD: BE and EAC screening controversies
  Joel H. Rubenstein

- **5:00 PM • Research Forum** 207
  Apples are higher risk than pears: subcutaneous fat measurement using analytic morphomics and the risk of infectious complications in abdominal surgeries for Crohn’s disease

### Monday, May 20, 2013

#### Monday, May 20, 2013

- **8:30 AM • Research Forum** 202C
  Uroguanylin-GUCY2C brain axis gut axis regulating feeding behavior is mediated by nodose ganglia HCN2 ion channel
  Fernando Ochoa-Cortes, Yuanxu Lu, Shi-Yi Zhou, Chung Owyang

- **10:00 AM • Symposium talk • Malignant hilar strictures** 308ABC
  Role of the endoscopist: diagnosis, staging, palliation
  Cyrus R. Piraka

- **10:00 – 11:30 AM • Research Forum** 205B
  Intestinal barrier function
  Moderators: Thomas Y. Ma, John Y. Kao

- **10:15 AM • Research Forum** 205B
  Stress-induced corticotropin releasing hormone mediated Nlrp6 inflammsome inhibition and transmissible enteritis in mice
  Yundong Sun, Min Zhang, Chun-Chia Chen, Merritt Gilliland, Xia Sun, Gary B. Huffnagle, Vincent B. Young, JiaJie Zhang, Soon-Cheol Hong, Yu-Ming Chang, Mohamad El-Zaataari, Deborah L. Gumucio, Chung Owyang, John Y. Kao

- **10:15 AM • Research Forum** 307D
  Targeted vertical cross-sectional imaging with near-infrared dual axes confocal fluorescence endomicroscope
  Zhen Qiu, Supang Khondee, Xiyu Duan, Bishnu P. Joshi, Emily Rabinsky, Kenn R. Oldham, Katsuo Kurabayashi, Thomas D. Wang

- **10:30 AM • Research Forum** 310
  Association of low numbers of CD206-positive cells with loss of ICC in the gastric body of patients with diabetic gastroparesis

- **11:00 AM • Research Forum** 307D
  Quantitative targeted wide area in vivo imaging of neoplasia in Barrett’s esophagus

- **8:00 – 9:30 AM • AGA Special Session** 207
  Women in gastroenterology: Can you have it all?
  Moderators: Grace H. Elta, Colleen M. Schmitt

- **8:00 – 9:30 AM • AGA Research Symposium** 300
  IBS
  Moderators: William D. Chey, Anthony Lembo

- **8:00 – 9:30 AM • AGA Clinical Symposium** 205A
  Hot topics in colonoscopy quality
  Moderators: John I. Allen, Philip S. Schoenfeld

- **8:00 AM • Symposium talk** 304CD
  Mechanisms of chronic visceral pain – Lessons from IBS
  Chung Owyang

- **8:15 AM • Symposium talk** 304CD
  The character, measurement and consequences of pain
  Michelle A. Anderson
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**Daily Schedule**

**Monday, May 20, 2013**

12:30 – 1:45 PM • Meet-the-Professor Luncheon

Gastroparesis

William L. Hasler

1:15 PM • AGA Curbside Consultant

Pancreatic cystic lesions

James M. Scheiman

2:00 – 3:30 PM • Research Forum

Colon cancer: Risks for advanced, recurrent and missed lesions

Moderators: Aasma Shaukat, Elena M. Stoffel

2:00 – 3:30 PM • AGA State-of-the-Art Lecture

Explaining sexual dimorphism in liver cancer: Sex hormones and foxes

Moderator: Linda C. Samuels

2:00 – 3:30 PM • AGA Clinical Symposium

Near-term pipeline drugs in IBD

Moderators: Jean-Frederic Colombel, Peter D. Higgins

2:00 – 3:30 PM • AGA Clinical Symposium

Fecal transplantation for *C. difficile* disease: Is it ready for prime time?

Moderators: Carol E. Semrad, John Y. Kao

2:00 – 3:30 PM • AGA Clinical Symposium

Enhanced endoscopic imaging for the early detection of dysplasia and cancer

Moderators: Frank G. Gress, Thomas D. Wang

2:00 PM • Symposium talk

SHT-3 receptor antagonists for nausea and vomiting - Oral, intravenous, ODT, and transdermal

William L. Hasler

2:15 PM • Research Forum

PGE	extsubscript{2}, which activates HCN2 ion channel in dorsal root ganglia mediates

Gintautas Grabauskas, Dabo Xu, Il Song, Chung Owyang

2:20 PM • Symposium talk

Advice on career development as an under-represented minority - perspective of a senior academic physician-scientist

John M. Carethers

2:22 PM • Symposium talk - Dysphagia

Diagnostic testing: What is the best algorithm?

Joel H. Rubenstein

2:30 PM • Research Forum

Chronic stress-induced visceral hyperalgesia: molecular evidence for corticosterone (CORT)-mediated reduction in cannabinoid receptor type 1 (CB1) via functional glucocorticoid response element (GRE) on CB1 promoter in an epigenetic manner

Gen Zheng, Shuangsong Hong, John W. Wiley

4:00 – 5:30 PM • AGA Distinguished Abstract Plenary

Pancreatic disorders

Moderators: Christopher E. Forsmark, Matthew J. DiMagno

4:18 PM • Clinical Practice Distinguished Abstract

Effect of a health system’s medical error disclosure program on gastroenterology-related claims rates and costs

Megan A. Adams, B. Joseph Elmunzer, James M. Scheiman

5:00 PM • Symposium talk

What are the ethical considerations in the performance of colonoscopy in the elderly?

Sameer D. Saini

5:30 – 6:30 PM • AGA Special Session

AGA Section Education & Networking Exchange II

Moderators: David A. Katzka, Prateek Sharma, Ellen Zimmermann, Kelly Tappenden, Daniel C. Chung, Christopher E. Forsmark
Daily Schedule

Tuesday, May 21, 2013

8:15 AM • Research Forum 310
Efficacy and safety of naloxegol in patients with opioid-induced constipation: results from 2 prospective, randomized, controlled trials
William D. Chey, Lynn Webster, Mark Sostek, Jaakko N. Lappalainen, Peter N. Barker, Jan F. Tack

10:00 – 11:30 AM • AGA Late-Breaking Abstract Session 205B
Late-Breaking Abstract (Basic)
Moderators: Juanita L. Merchant, Timothy C. Wang

12:00 – 2:00 PM • ASGE Interactive Education Peabody Hotel
Advanced capsule endoscopy
Moderators: Peter Legnani, Laurel Fisher

4:00 – 5:30 PM • AGA Committee-Sponsored Symposium 104A
Best of AGA at DDW in Chinese
Moderators: Chung Owyang, Yunsheng Yang

4:30 PM • Symposium talk 314A
What do the meta-analyses of FGID trials tell us? Point and counterpoint
Philip S. Schoenfeld

4:44 PM • Symposium talk • Best of AGA at DDW in Chinese 104A
Inflammatory bowel disorders
John Y. Kao
### Sa1150
Efficacy of pharmacological therapies for the treatment of opioid-induced constipation: systematic review and meta-analysis
Darren M. Brenner, Alexander C. Ford, **Philip S. Schoenfeld**

### Sa1285
The prevalence of ADHD in adults and children previously diagnosed with celiac disease: a hospital-based study
Kristen M. Dazy, **Joel H. Rubenstein**, Lynn Holevinski, **John Y. Kao**

### Sa1620
Video capsule endoscopy findings in diabetic patients compared to a large non-diabetic cohort: gastric and small bowel transit, luminal debris, and completeness of examination
Jason Baker, Anna Springs, Kristen May, Erin Wilkinson, **Michael D. Rice**, **Laurel Fisher**, **William L. Hasler**

### Sa1636
The effect of the underweight state on upper gut motility measured by video capsule endoscopy
Jason Baker, Anna Springs, Kristen May, Erin Wilkinson, **Michael D. Rice**, **Laurel Fisher**

### Sa1749
BMP-4 signaling in gastrointestinal inflammation
Hidehiko Takabayashi, Maria Y. Mao, Alexander J. Basing, Tuo Ji, Kathryn A. Eaton, **Ellen Zimmermann**, **Andrea Todisco**

### Sa1751 • Poster of Distinction
Altered hedgehog signaling modulates the immune response to *Citrobacter rodentium* infection and acute DSS colitis
**Michelle M. Muza-Moons**, Helmut Grasberger, Shawn Lopez, **Juanita L. Merchant**, Deborah L. Gumucio

### Sa1754
Isolation of ribosome-associated mRNA as a tool to study transcriptional changes in Paneth cells
**Michael Rajala**, Christa M. Patterson, Ian E. Gonzalez, Alexis J. Carulli, David P. Olson, Martin Myers

### Sa1795
Changes in the cytokine milieu over time in the peptidoglycan-polysaccharide Lewis rat model: possible insights into the loss of efficacy of anti-TNFα agents in late Crohn’s disease
**Phyllissa Schmiedlin-Ren**, Laura J. Reingold, Scott R. Owens, **Ellen Zimmermann**

### Sa1982
Association of serum leptin with Barrett's esophagus
Su1010
Carbamoyl phosphate synthetase 1 is a novel biomarker for different modes of hepatocyte injury and cell death
Sujith Weerasinghe, You-Jin Jang, M. Bishr Omary

Su1018
Meta-analysis of the synergistic effects of tobacco and alcohol on the risk of esophageal squamous cell carcinoma
Anoop Prabhu, Kenneth Obi, Joel H. Rubenstein

Su1079
Lynch syndrome in African Americans
Rodrigo Guindalini, Cassandra Gulden, Chinedu Ukaegbu, Erika S. Koepppe, Olufunmilayo I. Olopade, Elena M. Stoffel, Sapna Syngal, Sonia Kupfer

Su1118
Increasing CT scan use and higher admission rates for Crohn’s disease at a tertiary care center compared to national rates
Amanda Guentner, Shail M. Govani, Akbar K. Waljee, Peter D. Higgins

Su1137
Intestinal fibrosis and wound healing in experimental Crohn’s disease: effect of pegylated murinized rabbit anti-mouse TNF
Laura J. Reingold, Andrew S. Kimball, Phyllissa Schmiedlin-Ren, Scott R. Owens, Ellen Zimmermann

Su1315
Etiology and risk factors for chronic pancreatitis (CP) in the United States: a report of the North American Pancreas Study (NAPS2) group
Darwin L. Conwell, Dhiraj Yadav, Peter A. Banks, Timothy B. Gardner, Michele D. Lewis, Joseph Romagnuolo, Christopher E. Forsmark, Stuart Sherman, Gregory A. Cote, Samer Al-Kaade, Michelle A. Anderson, Bimaljit S. Sandhu, Nalini M. Guda, C. Mel Wilcox, Adam Slivka, Randall Brand, Andres Gelrud, Stephen R. Wisniewski, Thiruvengadam Muniraj, David C. Whitcomb

Su1361
Endoscopic gallbladder stent placement in the management of gallbladder disease in high-risk surgical patients without cirrhosis

Su1709
Prospective randomized controlled pilot study comparing wall suction and traditional glass vacuum bottle methods of ascites drainage for large volume paracentesis
Monica Konerman, Jennifer Price, David Lichtman, Dawn M. Torres, Zhiping Li

Su1932
A pro-inflammatory cytokine innduces a subcellular loss-of-function phenotype for hMSH3, a potential driver for EMAST
Stephanie Tseng-Rogenski, Yashushi Hamaya, John M. Carethers

Su2033
Determining the minimum duration for initial treatment with linaclotide in IBS-C patients: Results from pooled phase 3 trials
William D. Chey, Bernard J. Lavins, Steven J. Shiff, James E. MacDougall, Caroline B. Kurtz, Kelvin Shi, Mark G. Currie, Jeffrey M. Johnston

Su2125
High fat diet induced activation of autophagy in Paneth cells is responsible for gut dysbiosis and intestinal inflammation in rats
Shi-Yi Zhou, Pornchai Leelasinjaroen, Merritt Gilliland, Hui Zhou, Chung Owyang
Mo1083
Factors associated with positive and negative patient-physician interactions: results from focus groups with IBS patients
Jacob E. Kurlander, Betty Zhao, Devon Rupley, Douglas A. Drossman, William D. Chey

Mo1104
Attitudes towards stopping colorectal cancer screening: Does individualized risk information make a difference?
Sameer D. Saini, Sandeep Vijan, Val Metko, Brian J. Zikmund-Fisher

Mo1202
Pancreatic cancer screening in a cohort of high risk individuals presenting for genetic evaluation
Joshua B. Max, Victoria M. Raymond, Richard S. Kwon, Elena M. Stoffel

Mo1303
Small bowel dilation and platelet-to-albumin ratio predict the likelihood of surgery in Crohn’s disease

Mo1372
Accuracy of administrative codes for identifying patients with ulcerative colitis and Crohn’s disease in the Veterans Affairs Health Care Systems (VAHCS)
Jason K. Hou, Mimi Tan, Ryan W. Stidham, Hashem El-Serag, Akbar K. Waljee

Mo1407
Serum CA 19-9 is a powerful discriminator of pancreatic adenocarcinoma in patients referred for ERCP or EUS with suspected pancreatic cancer

Mo1555
EUS diagnostic criteria for chronic pancreatitis: A comparison of conventional vs. Rosemont criteria

Mo1772
Kinase inhibition normalizes mutation-mediated keratin filament disruption and predisposition to apoptosis and liver injury
Lu Chen, Sujith Weerasinghe, Raymond Kwan, Qing Xie, Bishr M. Omary

Mo2082
Gastric food retention on upper endoscopy: etiologies, associated symptoms, medication use patterns, and relation to scintigraphically-defined gastroparesis
Radoslav Coleski, William L. Hasler
Tu1123
Development of the ulcerative colitis patient-reported outcomes (UC-PRO) questionnaire
Peter D. Higgins, Gale Harding, Donald L. Patrick, Dennis A. Revicki, Gary Globe, Hema N. Viswanathan, Sarah Trease, Kristina Fitzgerald, Dominique C. Borie, Nancy K. Leidy

Tu1124
Development of the Crohn's disease patient-reported outcomes (CD-PRO) questionnaire
Peter D. Higgins, Gale Harding, Donald L. Patrick, Dennis A. Revicki, Gary Globe, Hema N. Viswanathan, Sarah Trease, Kristina Fitzgerald, Dominique C. Borie, Nancy K. Leidy

Tu1133
Automatable algorithms to identify Crohn's disease patients with low likelihood of a significant computed tomography (CT) finding in the emergency department
Shail M. Govani, Amanda Guentner, Akbar K. Waljee, Peter D. Higgins

Tu1279
A survey of expert follow-up practices after successful endoscopic eradication therapy for complicated Barrett’s esophagus

Tu1739
Psychological stress induced-dysregulation of enterocyte kinetics and impairment of barrier function is mediated by peripheral action of CRF
Chanjuan Zhong, Dabo Xu, Moon Kyung Joo, Il Song, Xiaoyin Wu, Chung Owyang

Tu1754
Ghrelin induces resistance by activation of cAMP-Epac-SOCS3 signaling: implications in satiety regulation
Andrea Heldsinger, Gintautas Grabauskas, Xiaoyin Wu, Shi-Yi Zhou, Il Song, Chung Owyang

Tu1874
Earlier age of presentation of pancreatic adenocarcinoma in individuals with chronic pancreatitis
Arpan Mohanty, Nilesh H. Shah, Michelle A. Anderson, Aaron R. Sasson, Kristen J. Vogel, Simon Sherman, David C. Whitcomb, Randall Brand

Tu1901
MBD4 frameshift mutation enhances 5-fluorouracil (5FU) sensitivity in colorectal cancer
Moriya Iwaizumi, Paul Martin, Stephanie Tseng-Rogenski, Shigeru Kanaoka, John M. Carethers

Tu2075
Comparison between spontaneously reported stool form using the Bristol stool form scale and stool form calculated from a seven-day diary in patients with chronic constipation
Jason Baker, Shanti L. Eswaran, Jennifer Rai, William D. Chey

Tu2092
Contrasting gastroparesis in type 1 (T1DM) vs type 2 (T2DM) diabetes: Clinical course after 48 weeks of follow-up and relation to comorbidities and health resource utilization
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#### Fellows

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