



# American Neurogastroenterology and Motility Society 2021 ANMS Annual Meeting

## Clinical Course

Providing the best clinical care for our patients  
August 13, 2021

## Scientific Program

Advancing patient care through cutting-edge research  
August 13 (6 pm) – August 15, 2021



**Abstract Deadline: March 26, 2021**

**Westin Boston Waterfront  
Boston, Massachusetts**

## Clinical Course • Providing the best clinical care for our patients

### Thursday, August 12, 2021

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| 4:00–6:00 pm | Registration    |
| 4:00–6:00 pm | Exhibitor Setup |

### Friday, August 13, 2021

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| 7:00 am–5:30 pm      | Registration  |
| 7:00–7:50 am         | Breakfast • Visit Exhibits  |
| <b>7:50–8:00 am</b>  | <b>Welcome • Introduction • <i>John Pandolfino, Braden Kuo</i></b>  |
| <b>8:00–9:20 am</b>  | <b>What's New in the Treatment of Esophageal Disorders</b>  |
| 8:00–8:20 am         | <b>Pediatric and Adult Perspective</b><br><b>Extrasophageal GERD/LPR: Hacking up a sensible approach</b><br>includes 4-minute Q & A<br><i>Rachel Rosen and Wai-Kit Lo</i>                             |
| 8:20–8:35 am         | <b>Role of provocative testing and solid/viscous swallows during manometry</b><br><i>Reena Chokshi</i>  |
| 8:35–9:05 am         | <b>Point • Counterpoint</b><br><b>Incorporating EndoFLIP as routine assessment of esophageal disorders</b><br>includes 4-minute Q & A<br><i>Prakash Gyawali and Marcelo Vela</i>                      |
| 9:05–9:20 am         | <b>Approach to EGJOO and spastic disorders</b><br><i>Sravanya Gavini</i>  |
| <b>9:20–10:20 am</b> | <b>Gastric and Small Bowel: Bridging the Gap</b>  |
| 9:20–9:40 am         | <b>Point • Counterpoint</b><br><b>Functional dyspepsia versus gastroparesis: Identical or different beasts?</b><br>includes 2-minute Q & A<br><i>Linda Nguyen and David Kunkel</i>                    |
| 9:40–10:00 am        | <b>Pediatric and Adult Perspective</b><br><b>Gastric and small bowel motility testing: What are the options and is it necessary?</b><br>includes 4-minute Q & A<br><i>Samuel Nurko and Braden Kuo</i> |

**Friday, August 13, 2021** continued

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| <b>9:20 am–10:20 pm</b>  | <b>Gastric and Small Bowel: Bridging the Gap</b> continued  |
| 10:00–10:20 am           | <b>Gastroparesis therapy development pipeline: Are we optimistic or doomed to fail?</b><br><i>Jay Pasricha</i>  |
| 10:20–10:40 pm           | Break • Visit Exhibits  |
| <b>10:40 am–12:30 pm</b> | <b>Bridging the Gap: Pediatric to Adult</b>   |
| 10:40–11:00 am           | <b>Pediatric and Adult Perspective</b><br><b>Cyclic vomiting syndrome: Pediatric versus adult</b><br>includes 4-minute Q & A<br><i>Desale Yacob and Thangam Venkatesan</i>                                |
| 11:00–11:20 am           | <b>Developmental considerations for psychogastroenterology integration – Kids are not just mini adults</b><br><i>Bradley Jerson</i>   |
| 11:20–11:40 am           | <b>Avoidant restrictive food intake disorder (ARFID) and eating disorders</b><br><i>Jennifer Thomas</i>   |
| 11:40 am–12:00 pm        | <b>RN and APP Perspective</b><br><b>Building a support system around the GI motility patient: The role of the triage RN and APP</b><br>includes 4-minute Q & A<br><i>Maria Grifone and Andrea Thurler</i> |
| 12:00–12:20 pm           | <b>Psychological interventions in functional GI disease</b><br><i>Helen Burton-Murray</i>   |
| 12:20–1:30 pm            | <b>Lunch • Visit Exhibits</b>   |
| <b>1:30–2:30 pm</b>      | <b>ANMS Chung Owyang Distinguished Lecture</b><br>TBA<br><i>Chung Owyang</i>  |
| <b>2:30–4:10 pm</b>      | <b>The Colon – Where do we go from here?</b>  |
| 2:30–2:50 pm             | <b>Anorectal manometry and pelvic floor testing in a clinical practice, essential tools in the management of constipation and fecal incontinence?</b><br><i>Amol Sharma</i>                               |
| 2:50–3:10 pm             | <b>Constipation pharmacotherapy</b><br><i>Judy Nee</i>  |
| 3:10–3:30 pm             | <b>Point • Counterpoint</b><br><b>IBS-C vs CIC should I test or treat differently?</b><br>includes 2-minute Q & A<br><i>Baha Moshiree and Greg Sayuk</i>  |
| 3:30–3:50 pm             | Break • Visit Exhibits  |
| <b>3:50–4:30 pm</b>      | <b>Clinical Research: Factors to Consider in Trial Design</b>   |
| 3:50–4:10 pm             | <b>From bench to bedside: How to translate motility innovations to clinical care?</b><br><i>Eric Shah</i>   |
| 4:10–4:30 pm             | <b>State-of-the-Art Lecture</b><br><b>The power of placebo</b><br><i>Anthony Lembo</i>  |
| <b>4:30–6:00 pm</b>      | <b>Women in Neurogastroenterology • Open to all women working in neurogastroenterology and motility.</b>  |
|                          | <b>Where are we now and where are we going?</b><br>Personal Branding • Mentoring and Beyond • Negotiating • Mix & Mingle following presentations  |

program continued

## Scientific Program • Advancing patient care through cutting-edge research

### Friday, August 13, 2021

|                 |   |
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| 7:00 am–5:00 pm | Registration                              |
| 6:00–8:00 pm    | Welcome Reception • <b>Poster Session</b> |

### Saturday, August 14, 2021

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| 7:00 am–5:00 pm     | Registration                            |
| 7:00–7:50 am        | Breakfast • <b>Visit Exhibits</b>       |
| <b>7:50–8:00 am</b> | <b>Welcome</b> • <i>John Pandolfino</i> |

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| <b>8:00–9:00 am</b> | <b>Distinguished Investigator Award for Woman in Neurogastroenterology</b><br>The role of peptides in brain–gut interactions: a 40 year journey<br><i>Yvette Taché</i> |
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| <b>9:00–10:30 am</b> | <b>Session 1</b><br>Basic Advances Making an Impact in Understanding GI Pathophysiology |
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| 9:00–9:20 am | <b>Gastroparesis omics</b><br><i>Madhu Grover</i> |
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| 9:20–9:40 am | <b>Parkinson's disease and its GI effects and new treatments from top to bottom</b><br><i>William Hasler</i> |
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| 9:40–10:00 am | <b>Microbiome in IBS and visceral hypersensitivity</b><br><i>David Reed</i> |
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| 10:00–10:15 am | <b>Abstract Speaker 1</b> |
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| 10:15–10:30 am | <b>Abstract Speaker 2</b> |
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| 10:30–11:00 am | Break • <b>Visit Exhibits</b> |
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| <b>10:00 am–12:00 pm</b><br><b>Parallel Session</b> | <b>Allied Health Professionals • Parallel Session</b><br><b>GI Physiology Laboratory and Testing</b> |
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| 10:00–10:20 am | <b>Esophageal manometry: Interpretation and pitfalls</b><br><i>Barbara Brien</i> |
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| 10:20–10:40 am | <b>Anorectal manometry: Interpretation and pitfalls</b><br><i>Amy Guadagnoli</i> |
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| 10:40–11:00 am | <b>Discussion</b> |
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| 11:00–10:20 am | <b>Minor variations: A primary on pediatric motility testing</b><br><i>Claire Zar-Kessler</i> |
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| 11:20–11:40 am | <b>Breath testing: Preparation, performance, and interpretation</b><br><i>Jason Baker</i> |
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| 11:40 am–12:00 pm | <b>Discussion</b> |
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| <b>11:00 am–12:30 pm</b><br><b>Parallel Sessions</b> | <b>Parallel Session 1</b><br>Does the Model Matter? Insights into ENS Development using Different Animal Models | <b>Parallel Session 2</b><br>Beyond the Gut in Functional GI Disorders |
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| 11:00–11:20 am | <b>ENS development in zebrafish</b><br><i>Julia Ganz</i> | <b>FGIDs, autonomic dysfunction, and EDS: What's the connection?</b><br><i>Miguel Saps</i> |
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**Saturday, August 14, 2021** continued

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| 11:20–11:40 am  | <b>ENS development in chick, mouse, and human</b><br><i>Allan Goldstein</i>  | <b>Electroceutical therapy: What's the latest?</b><br><i>Katja Kovacic</i>  |
| 11:40 am–12:00 pm                                     | <b>Stem cell therapies for enteric neuropathies</b><br><i>Alan Burns</i>   | <b>iVirtual reality for pain: What's the science behind it?</b><br><i>Brennan Spiegel</i>   |
| 12:00–12:15 pm  | <b>Abstract speaker 1</b>  | <b>Abstract speaker 1</b>   |
| 12:15–12:30 pm  | <b>Abstract speaker 2</b>  | <b>Abstract speaker 2</b>   |
| <b>12:30–2:00 pm</b>                                  | <b>Lunch • Poster Session</b>  |   |
| <b>2:00–3:30 pm</b><br><b>Parallel Sessions</b>       | <b>Parallel Session 3</b><br><b>Enteric Neural Neuroimmune Signaling</b>   | <b>Parallel Session 4</b><br><b>Latest Innovations in Esophageal Physiology Testing and Treatment</b>   |
| 2:00–2:20 pm  | <b>Role of mast cells in early-life stress-related GI dysfunction</b><br><i>Adam Moeser</i>  | <b>The role of ICC in the esophagus: Is there an esophageal pacemaker?</b><br><i>Kenton Sanders</i>   |
| 2:20–2:40 pm  | <b>Mechanisms neuroimmune cross talk</b><br><i>Milena Bogunovic</i>  | <b>How does foregut surgery alter peristalsis and LES function?</b><br><i>Walter Chan</i>   |
| 2:40–3:00 pm  | <b>Role of gut-innervating nociceptor sensory neurons in enteric infections</b><br><i>Ruaidhri Jackson</i>                                       | <b>Using mathematics and mechanics to study esophageal function: Using in-silico models</b><br><i>Dustin Carlson</i>                          |
| 3:00–3:15 pm  | <b>Abstract speaker 1</b>  | <b>Abstract speaker 1</b>   |
| 3:15–3:30 pm  | <b>Abstract speaker 2</b>  | <b>Abstract speaker 2</b>   |
| 3:30–4:00 pm  | Break • Visit Exhibits   | Break • Visit Exhibits  |
| <b>4:00–5:45 pm</b><br><b>Parallel Sessions</b>       | <b>Parallel Session 5</b><br><b>Nonneuronal Cells in Enteric Reflexes</b>  | <b>Parallel Session 6</b><br><b>Genetic Diseases Causing GI Dysmotility</b>   |
| 4:00–4:25 pm  | <b>Role of enteric glia in colonic motility</b><br><i>Brian Gulbransen</i>   | <b>Intestinal dysmotility in zebrafish models of ASD</b><br><i>Julia Dallman</i>  |
| 4:25–4:50 pm  | <b>Role of macrophages in delayed gastric emptying</b><br><i>Gianluca Cipriani</i>   | <b>Microbiome–gut–brain axis links in ASD and its genetic variants</b><br><i>Kara Margolis</i>  |
| 4:50–5:15 pm  | <b>Role of ICCs and PDGFalpha cells in the regulation of neuromuscular transmission in the internal anal sphincter</b><br><i>Caroline Cobine</i> | <b>Cystic fibrosis and other CFTR channelopathies' impact on gut function crisis: Microbiome and opioid tolerance</b><br><i>Arthur Beyder</i> |
| 5:15–5:30 pm  | <b>Abstract speaker 1</b>  | <b>Abstract speaker 1</b>   |
| 5:30–5:45 pm  | <b>Abstract speaker 2</b>  | <b>Abstract speaker 2</b>   |
| <b>6:00–7:30 pm</b><br><b>Parallel Theme Symposia</b> | <b>Parallel Theme Symposium</b><br><b>Abdominal Pain: The role of visceral organ crosstalk</b><br><i>Sponsored by Ironwood Pharmaceuticals</i>   | <b>Parallel Theme Symposium</b><br><b>TBA</b>   |

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## Sunday, August 15, 2021

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|--------------------------|--|
| 7:00–10:00 am            | <b>Registration</b>  |
| 7:00–8:00 am             | Breakfast • <b>Visit Exhibits</b>  |
| <b>8:00–9:00 am</b>      | <b>W. Jerry Dodds, MD and Sushil K. Sarna, PhD Lectureship</b><br><b>IBS From Crib to Adulthood: Novel Clinical and Physiologic Insights</b><br><i>Lin Chang</i> |
| <b>9:00–10:00 am</b>     | <b>Plenary Abstract Session</b>  |
| 10:00–10:30 am           | Break • <b>Visit Exhibits</b>  |
| <b>10:30 am–12:00 pm</b> | <b>ANMS Distinguished Lectures</b>   |
| 10:30–11:00 am           | <b>30 years in neurogastroenterology: Lessons learned</b><br><i>Carlo Di Lorenzo</i>   |
| 11:00–11:30 am           | <b>Central nervous system plasticity in experimental models of stress-Induced visceral pain</b><br><i>Beverley Greenwood-Van Meerveld</i>                        |
| 11:30 am–12:00 pm        | <b>The role of the brain–gut axis in inflammatory bowel disease</b><br><i>Keith Sharkey</i>  |
| 12:00 pm                 | <b>Adjourn</b>   |



American Neurogastroenterology and Motility Society • ph 734-699-1130 • fax 734-699-1136 • e-mail [admin@motilitysociety.org](mailto:admin@motilitysociety.org)

[www • motilitysociety • org](http://www.motilitysociety.org)

