The AGA Institute Council put together a robust program of offerings and activities for Digestive Disease Week® (DDW) 2022. In anticipation of this hybrid event, which is just around the corner, we have compiled the following section highlights and meeting guides prepared by the AGA Institute Council Sections listed below. We hope that this feature helps support the basic and translational research communities within AGA, as well as assisting our readers in taking advantage of the vast array of offerings at DDW.

Thanks very much to the section chairs and vice chairs as well as the AGA staff who helped prepare this compilation, and to all of you for your support of the Journal.

Looking forward to seeing you,
Klaus Kaestner and Michael Pack
Editors-in-Chief, CMGH

DDW 2022 for the AGA Council

- Basic & Clinical Intestinal Disorders (BCID)
- Cellular & Molecular Gastroenterology (CMG)
- Clinical Practice (CP)
- Esophageal, Gastric & Duodenal Disorders (EGD)
- Endoscopy, Technology & Imaging (ETI)
- Gastrointestinal Oncology (GIONC)
- Immunology, Microbiology & Inflammatory Bowel Diseases (IMIBD)
- Liver & Biliary (LB)
- Microbiome & Microbial Therapy (MMT)
- Neurogastroenterology & Motility (NGM)
- Obesity, Metabolism & Nutrition (OMN)
- Pancreatic Disorders (PAN)
- Pediatric Gastroenterology & Developmental Biology (PGDB)

Basic & Clinical Intestinal Disorders (BCID)

Pradeep K. Dudeja, PhD & Colleen Renee Kelly, MD, AGAF

Introduction

The Basic and Clinical Intestinal Disorders section represents a community of clinical, translational and basic scientists interested in disease-focused and pathway-driven processes underlying: celiac and good intolerances, cell injury and repair, diarrhea, malabsorption and enteropathies, epithelial cell and molecular biology, epithelial barrier function and wound repair, epithelial functions in innate immunity and inflammation and irritable bowel syndrome.

The Basic and Clinical Intestinal Disorders section aims to foster collaboration among interactive scientific communities by featuring outstanding basic, translational and clinical research in these areas.

Research Fora

Saturday, May 21, 2022
- Congenital Diarrheas and Enteropathies: Insights into Epithelial Structure and Function

Sunday, May 22, 2022
- Recent Advances in Regulation of Gut Barrier Integrity, Inflammation and Repair
- Intestinal Inflammation, Fibrosis and Regeneration

Monday, May 23, 2022
- Mechanisms of Regulation of Intestinal Transporters in Health and Disease
- Novel Mechanisms of Regulation of Epithelial Homeostasis and Barrier Function
- COVID-19 2022: Assessing the Impact and Closing Knowledge Gaps

Tuesday, May 24, 2022
- Separating the Wheat from the Chaff: Top clinical abstracts in Celiac Disease

Poster Sessions

BCID is sponsoring 24 poster sessions. The topics include the following:

- Celiac Disease and Gluten Related Disorders
- Vitamins and Micronutrients: Basic and Clinical
- Food Intolerances, Allergy, and Sensitivities
- Basic Mechanisms of Tissue Injury, Repair and Fibrosis
- Cell and Molecular Biology of Gastrointestinal Disorders
- Cell Signaling in Inflammation, Injury and Mucosal Repair
- Intestinal Inflammation, Fibrosis and Regeneration
- Mucosal Innate Function and Innate Host Defense: Inflammatory Bowel Disease
- Environmental Enteropathy
- Diarrheal Disorders: Bacterial Overgrowth - Drug Induced and Other Enterocolitides (Microscopic, Enteropathy, Check Point Inhibitors, etc.)
- In Vivo Models of Gastrointestinal Disorders
- Inflammation and GI Cancers
- Stem Cells in Health, Development, and Malignant Transformation
• Tissue Engineering and Regenerative Medicine
• COVID: Basic and Clinical
• Irritable Bowel Syndrome: Clinical and Pathophysiology
• Non-Immune Cells in Intestinal Inflammation: Epithelium and Stroma
• Organoid Models of Gastrointestinal Disorders
• Transcriptional, Epigenetic and Genetic Regulation of GI Function and Disease
• Microbial Pathogens and Toxins of the Intestine and Colon
• Epithelial Function and Ion, Water and Nutrient Absorption
• Diet and the Gut Microbiome
• *Clostridioides Difficile* Colitis: Pathogenesis, Diagnosis, Management and Therapy
• Prebiotics, Probiotics and Synbiotics in Health and Disease

ePoster Session
BCID is sponsoring 1 ePoster session. The topic includes the following:

- ePosters: Basic & Clinical Intestinal Disorders

Distinguished Abstract Plenary

**Monday, May 23, 2022**

- Basic & Clinical Intestinal Disorders Section Clinical Distinguished Abstracts Plenary

**Tuesday, May 24, 2022**

- Basic & Clinical Intestinal Disorders Section Distinguished Basic Science Abstract Plenary

Symposia

**Saturday, May 21, 2022**

- Frances and Don W. Powell, MD, Lecture: New Views in C. difficile Infection

**Sunday, May 22, 2022**

- Journey Through GI via AI

**Tuesday, May 24, 2022**

- Pre-Determinants of Intestinal Inflammation

**Cellular & Molecular Gastroenterology (CMG)**

**Asma Nusrat, MD & Michele Battle, PhD**

**Introduction**

The AGA Institute Council Cellular & Molecular Gastroenterology Section (CMG) occupies a unique niche within AGA since membership is not disease-based but focuses sharply on issues and themes related to the basic science underlying digestive diseases and gastrointestinal cell biology, with particular emphasis on technological and thematic innovations in the field.

The section leaders continue to utilize the expertise and strengths of their nominating and steering committee members in selecting scientific sessions and descriptors. CMG strives to invite outside speakers who are leading scientists in their fields to present forward-looking scientific programming at Digestive Disease Week® (DDW).

**Research Fora**

**Saturday, May 21, 2022**

- Cellular and Molecular Biology of Gastric and Esophageal Disease Pathogenesis
- Organoid Models of Gastrointestinal Disorders

**Sunday, May 22, 2022**

- Pathogenesis of GI Metaplasia and Neoplasia

**Monday, May 23, 2022**

- Molecular Mechanisms of Gastrointestinal Tissue Repair and Regeneration

**Poster Sessions**

CMG is sponsoring 15 poster sessions. The topics include the following:

- Genetics and Gastrointestinal Disorders
- *In Vivo* and Organoid Models of Gastrointestinal Disorders
- Cell and Molecular Biology of Gastrointestinal Disorders
- Basic Mechanisms of Tissue Injury, Repair and Fibrosis
- Intestinal Inflammation, Fibrosis and Regeneration
- Molecular Mechanisms of Growth and Development of the GI Tract, Liver and Pancreas
- Enteric Neuromuscular Biology: Cell and Molecular Biology
- Cellular Plasticity and Tissue Regeneration
- Transcriptional, Epigenetic and Genetic Regulation of GI Function and Disease
- Growth Factors in Differentiation, Cell Proliferation, Morphogenesis and Apoptosis
- Cell Biology, Biochemistry and Integrative Physiology
- COVID: SARS-CoV-2 Cellular and Molecular Interactions with Digestive Organs
- Epithelial Junctions and Barrier Function
- Gastric Neoplasms: Precursor Lesions, Biology, Diagnosis and Therapy
- Cell Signaling in Inflammation, Injury and Mucosal Repair
**ePoster Session**
CMG is sponsoring 1 ePoster session. The topic includes the following:

- ePosters: Cellular and Molecular Gastroenterology

**Distinguished Abstract Plenary**
Tuesday, May 24, 2022

- Cellular & Molecular Gastroenterology Distinguished Abstract Plenary

**Symposia**
Sunday, May 22, 2022

- Gastrointestinal Tissue Engineering and Repair

Monday, May 23, 2022

- Neuroimmune Connections and Their Contributions of GI Physiology and Disease
- Stem Cells and Plasticity in the GI Tract

Tuesday, May 24, 2022

- Epithelial and Innate Immune Cells in the Gut

**Research Mentor Award**
Established in 2010, the Research Mentor Award recognizes AGA members for their achievements as outstanding mentors in a specific area of research.

For Cellular & Molecular Gastroenterology Section, the award will be presented to Jason C. Mills, MD, PhD during Cellular and Molecular Biology of Gastric and Esophageal Disease Pathogenesis, Saturday, May 21 at 4 pm, room 27.

**Clinical Practice (CP)**

**Douglas J. Robertson, MD, MPH, AGAF & Gary W. Falk, MD, MS, AGAF**

**Introduction**
The mission of the AGA Institute Council Clinical Practice Section is to promote the optimum delivery of high quality, cost-effective gastrointestinal health care. Best practices will primarily be identified through cutting-edge research in areas such as epidemiology, population health screening, outcomes research, performance metrics, health economics, systematic reviews, practice management and medical education.

As reimbursement for health care in the U.S. moves toward pay for performance, the Clinical Practice section is particularly interested in research that develops and validates measures of quality in the management of gastrointestinal diseases. This will be achieved by studies that examine the implementation of quality assurance programs in clinical practice or assess the impact of various policy alternatives including benefits and potential unintended consequences.

**Research Fora**
The section’s research fora will highlight evolving issues in health care disparities, colon cancer screening and GI cancer risk assessment, along with new developments in colorectal diseases.

**Saturday, May 21, 2022**
- New Concepts in Diseases of the Colon & Rectum

**Sunday, May 22, 2022**
- Understanding and Addressing Disparities in GI Disease

**Monday, May 23, 2022**
- FIT for Colorectal Cancer Screening
- Understanding & Improving Colonoscopy Practice
- Risk Factors for Advanced Neoplasia and Colorectal Cancer After Colonoscopy

**Tuesday, May 24, 2022**
- Patient Reported & Clinical Outcomes in IBD
- Issues in Health Care Disparities in Patients with GI Disease
- Advances in GI Cancer Risk Assessment, Screening, and Surveillance: Who should we Screen and How?

**Poster Sessions**
CP is sponsoring 26 poster sessions and 13 ePoster sessions. Topics include the following:

- Advancements in Population Health Cancer Screening: Gastric, Esophageal, Hepatocellular, Other Cancer Screening
- Colorectal Cancer Screening and Surveillance: Clinical Studies to Improve Uptake, Increase Adherence & Address Racial Disparities
- Colorectal Cancer Screening and Surveillance: Cohort, Clinical Outcomes & Comparative Effectiveness Studies Including Trials
- Colorectal Cancer Screening and Surveillance: Innovations, New Technology
- COVID and Clinical Practice
- Epidemiology of Gastrointestinal Disorders
- Guideline Adoption and Implementation
- Health Care Delivery and Policy (Practice Management Including Telehealth & COVID Related Issues, Reimbursement, Access to Care)
- Health Disparities in Patients with GI Disease
- Health Economics (Cost of Illness, Cost-Effectiveness, and Health Economic Models)
- Issues of Provider Diversity, Equity and Inclusion in GI
- Medical Education and Training
- Patient Report and Clinical Outcomes: IBD, GERD, Functional Disorders, Other
• Performance Metrics, Process Improvement, Quality Improvement and Implementation Science
• Systematic Reviews and Meta-Analysis of Gastrointestinal Disorders
• Topics in Global Health (Including Disease Management, Role of Endoscopy, Program Development, Education)

**Distinguished Abstract Plenary**
The CP Distinguished Abstract Plenary takes place Tuesday, May 24 at 8:00AM in room 29AB of the San Diego Convention Center.

**Symposia**
The clinical symposia are a forum for expert review of common issues faced in clinical practice today. Among the topics discussed will be evolving issues in colorectal cancer screening, diverticular disease, management of precursor lesions in gastric cancer and best practices in Barrett’s esophagus.

**Saturday, May 21, 2022**
- A Day at the Office: Optimizing Diagnosis and Management of IBS-D and Functional Diarrhea
- Colonoscopy and Colorectal Cancer Screening: Answering Key Questions for Your Practice

**Sunday, May 22, 2022**
- Exploring Gastric Cancer and Precursor Lesions: A Primer for the Clinician
- Optimizing Colorectal Cancer Screening

**Monday, May 23, 2022**
- Best Practices and Quality Metrics in Barrett’s Esophagus
- Modern Concepts in Diverticulitis

**Tuesday, May 24, 2022**
- Digital Health in Gastroenterology

**State of the Art**
This state-of-the-art lecture will address the current role of FIT testing in the toolbox of colorectal cancer screening.

**Monday, May 23, 2022**
- State of the Art Lecture: Improving the use of FIT in Colorectal Cancer Screening, Jill Tinmouth

**Research Mentor Award**
*Established in 2010, the Research Mentor Award recognizes AGA members for their achievements as outstanding mentors in a specific area of research.*

For CP, the award will be presented to Thomas Imperiale, MD during the CP Distinguished Abstract Plenary on Tuesday, May 24.

**Esophageal, Gastric & Duodenal Disorders (EGD)**
**Steven F. Moss, MBBS, AGAF & Sachin B. Wani, MD, AGAF**

**Introduction**
The AGA Institute Council Esophageal, Gastric and Duodenal Disorders Section (EGD) continues to heavily contribute to the educational and research mission of the AGA Institute and remains a highly visible section at Digestive Disease Week® (DDW).

The section is diverse in regards to representation of multiple upper GI diseases including esophagus, stomach and duodenum. Advances continue to develop in the area of esophageal reflux and motility testing (e.g., high resolution manometry and mucosal impedance measurements), endoscopic reflux therapies, as well as continued strong interest in both clinical and basic research in eosinophilic esophagitis and Barrett’s esophagus. Dominant areas of investigation in this section include esophageal physiologic testing, eosinophilic esophagitis, *H. pylori* infection and its chronic implications, gastroesophageal reflux disease (GERD) and extraesophageal GERD, Barrett’s esophagus, esophageal and gastric dysmotility, and GI bleeding.

**Research Fora**
This year’s research fora cover the best science relating to basic, translational and clinical aspects of upper gastrointestinal disease from investigators around the world. The sessions are as follows:

**Saturday, May 21, 2022**
- Advances in GERD — From Diagnosis to Therapy
- Upper Gastrointestinal Bleeding

**Monday, May 23, 2022**
- Translational Advances in EoE
- Advances in Screening, Risk Stratification and Endoscopic Therapy for Barrett’s Esophagus
- *H. pylori* Pathogenesis and Management

**Tuesday, May 24, 2022**
- Updates in Diagnostics and Management of Eosinophilic Esophagitis
- Pathogenesis and Clinical Manifestations of GERD

**Poster and ePoster Sessions**
EGD is sponsoring 17 poster sessions. The topics include the following:

- Barrett’s Esophagus and Esophagogastric Junction Neoplasia - Biology and Fundamental Mechanism
Barrett’s Esophagus and Esophagogastric Junction Neoplasia - Epidemiology, Risk Factors, Screening and Surveillance, Treatment and Clinical Outcomes

Eosinophilic Esophagitis and Gastroenteritis: Clinical

Eosinophilic Esophagitis and Gastroenteritis: Translational or Basic

Functional Dyspepsia, Nausea and Vomiting

Gastric Neoplasms: Precursor Lesions, Biology, Diagnosis and Therapy

GERD: Clinical Presentations Including Extra-Esophageal Manifestations and Disease Complications

GERD: Diagnostic Testing

GERD: Medical, Surgical and Endoscopic Therapies

*Helicobacter pylori*: Epidemiology, Diagnosis and Outcomes

*Helicobacter pylori*: Host Response and Pathogenesis

*Helicobacter pylori*: Treatment and Antimicrobial Resistance

Mucosal Defense, Secretion, Injury, Repair and Healing

Oropharyngeal and Esophageal Motility Disorders

Pathogenetic Mechanisms/Biology of GERD and GERD Therapies

Peptic Ulcer Disease

UGI Bleeding

EGD is also sponsoring 11 ePoster sessions. The topics include the following:

Barrett’s Esophagus and Esophagogastric Junction Neoplasia - Epidemiology, Risk Factors, Screening and Surveillance, Treatment and Clinical Outcomes

Eosinophilic Esophagitis and Gastroenteritis: Clinical

Eosinophilic Esophagitis and Gastroenteritis: Translational or Basic

Functional Dyspepsia, Nausea and Vomiting

Gastric Neoplasms: Precursor Lesions, Biology, Diagnosis and Therapy

GERD: Clinical Presentations Including Extra-Esophageal Manifestations and Disease Complications

GERD: Diagnostic Testing

GERD: Medical, Surgical and Endoscopic Therapies

*Helicobacter pylori*: Epidemiology, Diagnosis and Outcomes

*Helicobacter pylori*: Treatment and Antimicrobial Resistance

UGI Bleeding

**Distinguished Abstract Plenary**

The Esophageal, Gastric & Duodenal Disorders section will hold its distinguished abstract plenary on Tuesday, May 24, 2022, at 8 a.m. The session will feature the best cutting-edge science related to esophageal and gastric diseases. The presentations focus on the pathogenic mechanisms of *H. pylori*, changes in the microbiome after *H. pylori* eradication therapy, eosinophilic esophagitis management, the mind-esophageal axis and the results of a large clinical trial of vonoprazan for erosive esophagitis.

**Symposia**

**Saturday, May 21, 2022**

- Donald O. Castell, MD, Lecture: Updates in Esophageal Disorders

  Tremendous advancements in esophageal physiologic testing have transformed the landscape of available tools to assess esophageal motility in clinical practice. This session will highlight the role of high-resolution esophageal manometry, ambulatory reflux monitoring and functional lumen imaging probe. We have also seen an evolution in the diagnostic and therapeutic approach for achalasia. This session will also highlight the state of the art in diagnostics and therapeutic options for the management of patients with achalasia.

**Sunday, May 22, 2022**

- Eosinophilic Esophagitis and Beyond

  As the recognition and prevalence of eosinophilic gastrointestinal diseases continues to increase, so do questions and controversies in their management. This session will review the current management of eosinophilic esophagitis and gastroenteritis as well as recent studies identifying a role of eosinophils and mast cells in the pathogenesis of eosinophilic GI disease and functional bowel disorders.

- Barry Marshall (Nobel Laureate 2005) and Adrienne Marshall Lecture — *Helicobacter pylori*: Progress and Challenges 40 Years On

  Most GI clinicians and trainees treat *Helicobacter pylori* infections frequently. Although tremendous progress has been made in our understanding of *H. pylori* as an organism and how it causes disease since it was first cultured by Marshall and Warren in 1982, treatment remains challenging. This session will provide an overview of progress in understanding the basic pathobiology of *H pylori* since it was first discovered and then focus on three emerging and important areas related to treatment that will be of practical benefit to clinicians.

- Advances and Controversies in Screening, Surveillance and Therapy in Barrett’s Esophagus

  Barrett’s esophagus is the only precancerous condition for esophageal adenocarcinoma; a cancer that is associated with rising incidence and high morbidity and mortality rates. Limitations in our current screening and surveillance strategies have provided the impetus for recent advances in
these fields. This session will highlight the recent advances, controversies and knowledge gaps in the field of screening, surveillance and endoscopic eradication therapies. This session will also include a presentation on the current status and future directions for quality metrics in Barrett’s esophagus.

- Kristin and David Peura, MD, Lecture: Challenging Acute Non-Variceal Upper Gastrointestinal Bleeding

Although the overall incidence of gastrointestinal bleeding is declining, individual cases are more challenging due to an increasing use of complex and potent anti-thrombotic therapy (e.g. combined use of non-aspirin anti-platelet drugs and direct anti-coagulants). Clinicians face this management dilemma because gastroenterologists and cardiologists often have different perspectives and priorities. As a result, the optimal timing of endoscopy, peri-procedural management of anti-thrombotic therapy, and endoscopic approach to difficult bleeders are highly relevant to both trainees and specialists.

**Tuesday, May 24, 2022**

- Establishing a Career in Esophageal and Gastric Diseases

This 90-minute session is designed to link junior faculty/GI fellows/other trainees who are interested in pursuing a clinical/research career in diseases of the upper gastrointestinal tract with established clinician/researcher experts in the field. Each of the 5 experts will give a short talk to the audience on a range of upper GI tract disorders, focusing on an overview of the disease, the knowledge and tools needed to gain expertise, what the expert perceives as future opportunities for expertise and/or research in this disease and general advice on how to advance personally and nationally in this field. At the conclusion of the didactic session, a 37-minute session will follow, with the lecturer accompanied by a co-expert stationed at each of five different Establishing a Career in Esophageal and Gastric Diseases stations, to engage with a group of interested junior faculty/trainees. This will give the opportunity for attendees to gather and ask more individualized questions and start a mentoring relationship with one of the faculty. At the conclusion, it is hoped that contact information will be exchanged between faculty and junior faculty member to continue the mentoring relationship.

**Research Mentor Award**

Established in 2010, the Research Mentor Award recognizes AGA members for their achievements as outstanding mentors in a specific area of research.

For Esophageal, Gastric & Duodenal Disorders, the award will be presented to David A. Katzka, MD, AGAF, during the clinical symposium, Establishing a Career in Esophageal and Gastric Diseases, Tuesday, May 24, 10 a.m. in room 29CD. The award will be given at 10 a.m.

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**Endoscopy, Technology & Imaging (ETI)**

**Neil Gupta, MD, MPH & Irving Waxman, MD**

**Introduction**

The AGA Institute Council Endoscopy, Technology & Imaging Section identifies research submitted to Digestive Disease Week® (DDW) that incorporates novel applications or improvements to existing technology or new techniques that image or treat disorders of the gastrointestinal tract, liver, bile ducts, gallbladder or pancreas. Along with other sections of the council, it designs multidisciplinary symposia and sessions for DDW that are designed to appeal to clinicians and scientists in gastroenterology, surgery and radiology. Future goals of the section include identification and highlighting of cutting-edge technology in endoscopy, radiology, imaging and molecular techniques.

**Research Fora**

This year’s research fora from the ETI section focuses on the clinical application of technology in gastroenterology. Novel research this year covers breakthroughs in GI endoscopy, artificial intelligence, and the use of new digital apps.

**Saturday, May 21, 2022**

- Use of Artificial Intelligence and Digital Apps in IBD and IBS

**Sunday, May 22, 2022**

- Clinical Applications of Technological Advances in Endoscopy
- Advances in Artificial Intelligence in Gastroenterology

**Tuesday, May 24, 2022**

- Advances in Pancreatobiliary Imaging

**Poster and ePoster Sessions**

ETI is sponsoring 4 poster sessions. The topics include the following:

- Scientific Advances in Artificial Intelligence in Gastroenterology
- Technological Advances in Gastroenterology
- Technological Advances in Gastrointestinal Endoscopy
- Technological Advances in Gastrointestinal Imaging

ETI is also sponsoring one ePoster session. The topic includes the following:

- Technological Advances in Gastroenterology

**Symposia**

**Saturday, May 21, 2022**

- Controversies in Therapeutic Endoscopy
Get an update on the leading controversies in therapeutic endoscopy in 2022 including disposable endoscopes, endoscopic resection, competency in EMR, cholangioscopy, and endoscopic sleeve gastrectomy.

- Improving Your GI Practice With Digital Technologies
  Learn how to use cutting edge technologies to improve your GI practice from practice efficiency to improved quality to brand development.

  **Sunday, May 22, 2022**

- Management of Pancreatic Solid and Cystic Lesions
  For years, presentations at DDW focused on endoscopic diagnosis of pancreatic cystic neoplasms. There has been a recent surge of published studies testing various interventions for treating cystic neoplasms (endoscopic ultrasound-guided). This session will put these studies in perspective and compare them with surgical resection on the one hand and surveillance on the other.

  **Monday, May 22, 2022**

- Improving Your Adenoma Detection Rate in 2022
  Practising endoscopists will learn how to utilize technology to improve their adenoma detection rates from leading international experts.

  **Tuesday, May 24, 2022**

- Technological Advances in Inflammatory Bowel Disease
  Physicians will get to hear from leading experts on the major technological breakthroughs in IBD management.

**Gastrointestinal Oncology (GIONC)**

**Juanita Merchant, MD, PhD & Elena Stoffel, MD, AGAF**

**Introduction**

The section presently has identified 18 specific areas of active and current foci, which are:

- Organ systems: biology, diagnosis and clinical therapeutics
  - Esophageal and junctional neoplasms
  - Gastric neoplasms
  - Carcinoid and neuroendocrine neoplasms
  - Liver and biliary cancers
  - Pancreatic neoplasms
  - Population health screening: GI cancer screening

- GI cancer biology
  - Cancer biomarkers
  - Cancer prevention and chemoprevention
  - Cancer genomics, epigenomics, metabolomics, proteomics and systems biology
  - Cancer epidemiology
  - Familial cancer syndromes and cancer genetics
  - Tumor cell biology and microenvironment
  - Translational and targeted therapies for GI cancers
  - GI cancer research models
  - Nutrition, obesity, metabolism and the microbiome in GI cancer
  - Cancer stem cells and circulating tumor cells
  - Molecular signaling pathways in GI cancers
  - Inflammation and immune responses in GI cancers

**Research Fora**

**Saturday, May 21, 2022**

- Novel Mechanisms and Biomarkers for GI Neoplasia Detection and Treatment
- GI Neuroendocrine Tumors: Origins and Pathogenesis
- Colorectal Cancer Screening and Surveillance: Cohorts, Comp Effectiveness Studies and Trials

**Sunday, May 22, 2022**

- Racing Against TIME: Tumor Immune Micro Environment
- Susceptibility to GI Cancers: Diagnosis and Management of Patients at High Risk Due to Genetic or Other Risk Factors
- Colitis-Mediated Carcinogenesis

**Tuesday, May 24, 2022**

- Pathogenesis of Early Onset CRC
- Global Trends in GI Cancer Incidence, Diagnosis and Outcomes
- Mechanisms of Gastric Carcinogenesis

**Poster Sessions**

GIONC is sponsoring 22 poster sessions and 13 ePoster sessions. Topics include the following:

- Advancements in Population Health Cancer Screening: Gastric, Esophageal, Hepatocellular, Other Cancer Screening
- Barrett’s Esophagus and Esophagogastric Junction Neoplasia - Biology and Fundamental Mechanism
- Biomarkers for Detection, Treatment and Prognosis of GI Cancers
- Tumor Cell Biology, Immunology and Microenvironment
- Translational and Targeted Therapies for GI Cancers
- Stem Cells in Health, Development, and Malignant Transformation
Symposia

Saturday, May 21, 2022
- Advances in Gastric Cancer Prevention and Early Detection
- Quantitative Gastrointestinal Cancer Control: Leveraging Epidemiologic and "omics Data to Predict Risk and Guide Management
- Shifting Patterns of GI Cancer Epidemiology

Sunday, May 22, 2022
- Beyond Stool: Non-invasive Biomarkers for Cancer Detection

Monday, May 23, 2022
- Abnormal Colorectal Cancer Screening Test Follow up: Navigating the Road to Timely Diagnosis with Colonoscopy After Non-Colonoscopy Tests
- Primary Prevention of Gastrointestinal Cancers — Bugs, Drugs and Slugs

Research Mentor Award

Established in 2010, the Research Mentor Award recognizes AGA members for their achievements as outstanding mentors in a specific area of research.

For GIONC, the award will be presented to Marcia Cruz-Correa, MD during the GIONC Distinguished Abstract Plenary on Monday, May 23 at 4:00PM in room 28DE

Immunology, Microbiology & Inflammatory Bowel Diseases (IMIBD)

Peter D. R. Higgins, MD, PhD, MSc (CRDSA), AGAF & Fernando S. Velayos, MD, AGAF

Introduction

The AGA Institute Council Immunology, Microbiology & Inflammatory Bowel Diseases Section (IMIBD) executes AGA’s strategic plan by providing an international forum to present and evaluate the most exciting and innovative research in the field. By providing a forum for debate, collaboration and an exchange of ideas, the IMIBD section helps define what is state-of-the-art care in IBD and pushes the boundaries of science in search of a cure. Established and emerging leaders collate this information to provide education and training to both the next generation of researchers as well as for providers caring for patients with IBD. This enhanced knowledge leads to improved practice and quality, ultimately showing the value of section through the work of its diverse members.

Research Fora

There will be multiple basic and translational sessions on Saturday and Sunday, transitioning to more clinical sessions on Monday, and focused on IBD clinical trials on Tuesday.

Saturday, May 21, 2022
- Bowel Damage and Regeneration in IBD
- Disease Complications in IBD
- Mucosal Innate Function and Innate Host Defense in Inflammatory Bowel Disease
- Genomics and Omics in IBD
- Disease Monitoring in IBD
- Immunological Signaling and Blockade in IBD
Sunday, May 22, 2022

- The Immunology of Ileitis and Pouchitis in IBD
- Epidemiology and Natural History of IBD
- IBD Care and Outcomes
- The Role of the Microbiome in IBD
- IBD: Microbiome Role in Intestinal Inflammation

Monday, May 23, 2022

- Epidemiology of Pouch Disorders
- Role of the Gut Microbiome and Pathogens in Immune and Inflammatory Disease
- Uncontrolled Therapeutic Observations in IBD

Tuesday, May 24, 2022

- Controlled IBD Trials 1: Monoclonal Antibodies
- Controlled IBD Trials 2: Small Molecules
- Technology and IBD Outcomes
- Effect of Diet on IBD

Poster and ePoster Sessions
IMIBD is sponsoring 32 poster sessions. The topics include the following:

- Animal Models of IBD: Pre-Clinical Treatment of Intestinal Inflammation
- COVID and Clinical Practice
- COVID and Interactions with the Microbiome and COVID and Immune Defense
- Diarrheal Disorders: Bacterial Overgrowth - Drug Induced and Other Enterocolitides (Microscopic, Enteropathy, Check Point Inhibitors, Etc.)
- Diet and IBD
- Health Care Delivery and Policy (Practice Management Including Telehealth & COVID Related Issues, Reimbursement, Access to Care)
- Health Disparities in Patients with GI Disease
- IBD: Adverse Events Related to Therapy
- IBD: Comparative Effectiveness Studies
- IBD: Controlled Clinical Trials in Humans
- IBD: Cytokines, Signaling and Receptors
- IBD: Diagnostics in IBD
- IBD: Disease Activity Assessment
- IBD: Disease Complications
- IBD: Epidemiology
- IBD: Genomics and Gene Function
- IBD: Microbiome Role in Intestinal Inflammation
- IBD: Natural History, Environmental Exposures, and Outcomes
- IBD: Omics for Prognosis, Therapeutic Selection, and Mechanisms
- IBD: Practice Management, Quality of Care, Quality Assurance
- IBD: Quality of Life and Psychosocial Care
- IBD: Special Populations, Conception, Adolescent, and Older
- IBD: Therapeutic Monitoring
- IBD: Translational Application of Intestinal Stem Cells and Organoid Models
- IBD: Uncontrolled Therapeutic Observations in Humans Biologic
- IBD: Uncontrolled Therapeutic Observations in Humans Non-Biologic
- Intestinal Inflammation, Fibrosis and Regeneration
- Mucosal Innate Function and Innate Host Defense: Inflammatory Bowel Disease
- Non-Immune Cells in Intestinal Inflammation: Epithelium and Stroma
- Pediatric IBD: Clinical and Translational Studies
- Role of the Gut Microbiome and Pathogens in Immune and Inflammatory Diseases
- Viral, Eukaryote, and Prokaryote Members of the Gut Microbiome

IMIBD is also sponsoring 20 ePoster sessions. The topics include the following:

- Animal Models of IBD: Pre-Clinical Treatment of Intestinal Inflammation
- COVID and Clinical Practice
- Health Care Delivery and Policy (Practice Management Including Telehealth & COVID Related Issues, Reimbursement, Access to Care)
- Health Disparities in Patients with GI Disease
- IBD: Comparative Effectiveness Studies
- IBD: Controlled Clinical Trials in Humans
- IBD: Cytokines, Signaling and Receptors
- IBD: Diagnostics in IBD
- IBD: Disease Activity Assessment
- IBD: Disease Complications
- IBD: Epidemiology
- IBD: Microbiome Role in Intestinal Inflammation
IBD: Natural History, Environmental Exposures, and Outcomes

IBD: Omics for Prognosis, Therapeutic Selection, and Mechanisms

IBD: Quality of Life and Psychosocial Care

IBD: Therapeutic Monitoring

IBD: Uncontrolled Therapeutic Observations in Humans Biologic

IBD: Uncontrolled Therapeutic Observations in Humans Non-Biologic

Intestinal Inflammation, Fibrosis and Regeneration

Pediatric IBD: Clinical and Translational Studies

Distinguished Abstract Plenary

The Immunology, Microbiology & Inflammatory Bowel Diseases section will hold its distinguished abstract plenary on Monday, May 23, 2022, at 4 p.m. Highlights will include CD4+ cells associated with resistance to therapy, dose optimization of Vedolizumab, environmental factors associated with Crohn’s disease, and computer vision measurement of endoscopic disease activity in ulcerative colitis.

Symposia

Saturday, May 21, 2022

Farron and Martin Brotman, MD, Lecture: Food As a Drug in IBD

This session will examine epidemiologic, translational and clinical trial evidence into the role of diet in the pathogenesis, prevention and treatment of inflammatory bowel disease. It will identify specific dietary interventions that are potentially beneficial in IBD and it will illustrate the role of food additives/emulsifiers in development of IBD in the West and developing countries. This session will also provide an analysis of the evidence for the impact of dietary components, food additives, and specialized diets in the course of IBD.

Kiron and Kamala Das Symposium: Novel Biomarker Development in the Diagnosis and Prognosis of IBD

This symposium aims to delineate multiomic approaches that examine taxonomic, metagenomic, metaproteomic and metabolic data in order to improve our ability to understand the gut microbial ecosystem in the context of IBD and the emerging role for early diagnosis and prognosis of IBD. In this state of the art/hybrid symposium we focus on the latest approaches to better understand novel biomarkers development and the translation into utilization in clinical practice.

Sunday, May 22, 2022

Dr. Ellen Scherl — Jill Roberts Lecture: The Psychological Impact of IBD

This session will highlight the latest research in the psychological impacts of IBD, including anxiety and post-traumatic stress, and the efficacy and impact of therapies for anxiety, depression, and PTSD on the overall management of IBD. Many IBD patients have significant psychological comorbidities resulting from their experiences with IBD, and long hospitalizations, complex surgeries, and complications can be risk factors for psychological impacts. You will learn how collaboration with a trained GI behavioral psychologist can improve outcomes in IBD.

Patricia and Ralph Giannella Lecture: Update on Immune Checkpoint Inhibitor-Induced Enterocolitis

As indications for immune checkpoint inhibitors (ICIs) expand, it is critical that Gastroenterologists and other providers be aware of how to identify and manage associated side effects. ICIs have dramatically altered the treatment landscape and outcomes for a wide variety of cancers. ICIs are monoclonal antibodies that augment the anti-tumor immune response by blocking the immune checkpoints CTLA-4, PD-1, or its ligand PD-L1. The immune activation that results from ICIs can lead to immune-mediated tissue damage in multiple organs. This session will cover the practical aspects of diagnosing and managing patients with ICI-induced diarrhea and colitis, as well as emerging translational studies underlying disease pathogenesis.

Research Mentor Award

Established in 2010, the Research Mentor Award recognizes AGA members for their achievements as outstanding mentors in a specific area of research.

For Immunology, Microbiology & Inflammatory Bowel Diseases, the award will be presented to Uma Mahadevan, MD, AGAF, during the Immunology, Microbiology & Inflammatory Bowel Diseases (IMIBD) Section Distinguished Abstract Plenary, Monday, May 23, 4 p.m. in room 20BCD. The award will be given at 4:42 p.m.

Liver & Biliary (LB)

Richard K. Sterling, MD, MSc, FACP, FACC, FAASLD, AGAF & Gyongyi Szabo, MD, PhD, FAASLD, AGAF, FACP

Introduction

Areas of focus

- Epidemiology and natural history of chronic viral hepatitis
- Diagnosis and treatment of chronic viral hepatitis
- Alcoholic liver disease including alcoholic hepatitis
- Nonalcoholic fatty liver disease including nonalcoholic steatohepatitis
- Cholelithiasis and biliary tract disorders
- Cirrhosis and portal hypertension
- Liver and biliary tract carcinoma
- Metabolic and genetic liver diseases
- Health services research and economic analyses
**Research Fora**

This year, Liver & Biliary research fora will include two sessions: Portal Hypertension and complications of cirrhosis and NAFLD. In this first, we will review recent advances in endoscopic approaches to treatment and diagnosis, new approaches in invasive and non-invasive diagnosis and co-morbidities in portal HTN. In the second, we will understand new findings and directions in NASH management from studies on disease prevalence, gut-liver interactions and relevant new therapeutic approaches.

**Saturday, May 21, 2022**

- Portal Hypertension, Complications of Cirrhosis, and GI Bleeding
- Advances in Hepatology

**Monday, May 23, 2022**

- Non-Alcoholic Fatty Liver Diseases (NAFLD) and Non-Alcoholic Steatohepatitis (NASH)

**Poster Sessions**

LB is sponsoring 17 poster sessions and 3 ePoster sessions. Topics include the following:

- Alcoholic Liver Disease Including Alcoholic Hepatitis
- COVID-19: Impact on Chronic Liver Disease
- Pancreatic and Biliary Disorders: Endoscopy and Imaging
- Portal Hypertension, Complications of Cirrhosis, and GI Bleeding
- Diagnosis, Biomarkers, and Therapies of Viral Hepatitis
- Metabolic and Genetic Liver Diseases
- Non-Alcoholic Fatty Liver Diseases (NAFLD) and Non-Alcoholic Steatohepatitis (NASH)
- Non-Invasive Assessment of Liver Disease
- Health Services Research, Cost Effectiveness, Economic Analysis, Patient Centered Outcomes
- Epidemiology, Virology, Pathogenesis, and Natural History of Viral Hepatitis
- Cholestatic and Autoimmune Liver Disease
- Liver and Biliary Tract Carcinoma (Hepatobiliary Neoplasia)
- Liver and Biliary Carcinoma: Management, Etiology, Diagnosis and Natural History

**Distinguished Abstract Plenary**

The LB Distinguished Abstract Plenary takes place Sunday, May 22 at 10:00AM in room 28DE of the San Diego Convention Center. This session will include original presentations on the latest research in acute and chronic liver diseases

**Symposia**

The clinical symposia this year highlight recent advances in liver disease and include sessions on what every gastroenterologist should know about liver transplantation, women’s health in liver disease, autoimmune liver diseases, acute on chronic liver failure, and incorporating palliative care into management of end stage liver disease. In addition, the Charles S. Lieber lecture will focus on the combined insults of alcoholic to non-alcoholic liver disease.

**Saturday, May 21, 2022**

- Liver Transplantation: What Every Gastroenterologist Needs to Know
- Women’s Health in Liver Disease

**Sunday, May 22, 2022**

- Autoimmune Liver Diseases
- ACLF: Acute-on-Chronic Liver Disease

**Tuesday, May 24, 2022**

- Charles S. Lieber Lecture — Combined Insults of Alcoholic-Related and Nonalcoholic Fatty Liver Disease
- Incorporating Palliative Care Into Managing End Stage Liver Disease (ESLD): When the End Is Near

**Research Mentor Award**

Established in 2010, the Research Mentor Award recognizes AGA members for their achievements as outstanding mentors in a specific area of research.

For LB, the award will be presented to Kenneth Sherman, MD during the LB Distinguished Abstract Plenary taking place Sunday, May 22 at 10:00AM in room 28DE of the San Diego Convention Center.

**Microbiome & Microbial Therapy (MMT)**

**Jun Sun, PhD, MS, AGAF & Purna Kashyap, MBBS, AGAF**

**Introduction**

The goal of the Microbiome & Microbial Therapy (MMT) section is to promote ideas, research, technology, education and dialogue that advance the understanding of the gastrointestinal microbiome in health and disease. At DDW 2022, we added programs to discuss timely topics, such as COVID and microbiota, global microbiome research, and healthy disparities and human microbiome.

**Research Fora**

The MMT is offering research sessions that feature cutting edge work investigating links between microbiome and diet, gut brain axis, cancer and COVID-19 outcomes as well as the potential role of microbial therapeutics in GI diseases. These sessions include the very best science submitted to DDW and will showcase junior investigators and rising stars in the field. MMT is also happy to co-sponsor additional sessions this year given that microbiome is a cross cutting field of interest that goes beyond this section. Please be sure
to use the mobile planner and app once its available to see all the MMT related sessions.

**Saturday, May 21, 2022**

- Mechanisms and Efficacy of Microbial Therapeutics in Infectious and Functional GI Diseases
- What Role do Gut Microbes Play in Cancer?

**Sunday, May 22, 2022**

- Eating for Two: How do you Keep your Gut Microbiome Happy?

**Monday, May 23, 2022**

- How Does the Microbiome Call the Shots in the Gut and the Brain?

**Tuesday, May 24, 2022**

- Role of Gut Microbiome and Immune Responses in COVID-19 Outcomes
- Diagnostic and Therapeutic implications of Gut Microbiome in Diarrheal Disorders including C. difficile Infection

**Poster Sessions**

MMT is sponsoring 18 poster sessions. The topics include the following:

- Microbiome and Cancer
- Pediatric Microbiome and Microbial Therapies
- Prebiotics, Probiotics and Synbiotics in Health and Disease
- Preclinical and Phase 1 Microbial Therapies
- Role of the Gut Microbiome and Pathogens in Immune and Inflammatory Diseases
- The Gastrointestinal Microbiome: Determinants and Dynamics of Structure and Function
- The Microbiome-Gut-Brain Axis in Health and Disease
- Viral, Eukaryote, and Prokaryote Members of the Gut Microbiome
- *Clostridioides Difficile* Colitis: Pathogenesis, Diagnosis, Management and Therapy
- COVID and Interactions with the Microbiome and COVID and Immune Defense
- Diarrheal Disorders: Bacterial Overgrowth - Drug Induced and Other Enterocolitides (Microscopic, Enteropathy, Check Point Inhibitors, Etc.)
- Diet and the Gut Microbiome
- Extraintestinal Interactions of the Gut Microbiome
- IBD: Microbiome Role in Intestinal Inflammation
- The Gastrointestinal Microbiome: Determinants and Dynamics of Structure and Function
- Metabolism, Obesity, Microbiome, Diet, and Nutrition in GI Cancer
- Microbial Dysbiosis: Causes and Consequences
- Microbial Pathogens and Toxins of the Intestine and Colon

**ePoster Session**

MMT is sponsoring 1 ePoster session. The topic includes the following:

- Microbiome & Microbial Therapy ePosters

**Distinguished Abstract Plenary**

The “Microbiome & Microbial Therapy (MMT) Section Distinguished Abstract Plenary” will feature the top 6 abstracts submitted to our section with most of the presenters being trainees and junior faculty members. We are so proud to highlight their contributions to the progress in the microbiome research. You will learn about broad impact of the microbiome ranging from their effect on host immune system orchestrated via fermented foods to their role in pathogenesis as well as enhancing therapeutics in IBD and cancer.

**Sunday, May 22, 2022**

- Microbiome & Microbial Therapy (MMT) Section Distinguished Abstract Plenary

**Symposia**

**Saturday, May 21, 2022**

- Microbiome Across the Continents
- Health Disparities and Human Microbiome

**Sunday, May 22, 2022**

- Lessons Learnt: The Future of Microbial Therapeutics
- Microbiome Regulation of Immunity and Infection

**Monday, May 23, 2022**

- The Gut Microbiome in Infection and Cancer: A 2022 Research Mentor-Mentee Perspective
- Why GI Doctors Care About Neurodegenerative Diseases: Target Gut-Neuron-Microbiome for Novel Treatments

**Tuesday, May 24, 2022**

- Beyond Sequencing — Pioneering Technologies to Decode Host-Microbe Cross-Talk

**State of the Art**

This session honors Dr. Charles Mansbach II, whose seminal work uncovered the cellular mechanisms and
regulation of the mucosal phase of lipid absorption, and will highlight microbiome as the link between diet and host metabolism. In this session you will learn from internationally renowned microbiome experts, how different food compositions and different food treatments like fermentation and cooking determine the regulation of immune and metabolic functions by gut microbiota.

**Tuesday, May 24, 2022**
- Charles M. Mansbach II, MD, Memorial Lecture: Microbiome as the Link Between Diet and Host Metabolism

**Research Mentor Award**

*Established in 2010, the Research Mentor Award recognizes AGA members for their achievements as outstanding mentors in a specific area of research.*

For Microbiome & Microbial Therapy Section, the award will be presented to Beth McCormick, PhD during *The Gut Microbiome in Infection and Cancer: A 2022 Research Mentor-Mentee Perspective*, Monday, May 23 at 4 pm, room 25.

**Other Events**

MMT plans to have a poster tour each day in the poster hall from 12:45 – 1:30 pm.

**Neurogastroenterology & Motility (NGM)**

*Adil E. Bharucha, MD, MBBS, AGAF & Shanthi Srinivasan, MD, AGAF*

**Introduction**

The Neurogastroenterology & Motility (NGM) section of the AGA Council is dedicated to serving the field of neurogastroenterology and gastrointestinal motility by promoting excellence in research, innovation, education and training.

Some of the sections main goals are:
- To attract the best science and cutting-edge research in neurogastroenterology and GI motility for presentation at Digestive Disease Week® (DDW).
- To educate and train gastroenterologists, research scientists, surgeons, physiologists, trainees, nurses and technicians on the latest developments in the field.
- To foster interdisciplinary basic science, translational and clinical research.
- To lead and critically examine the development of novel tools for studying neurogastroenterology and motility disorders, and gut and brain interactions, both at the bench side and for patient care.

**Research Fora**

The NGM section will feature 10 research fora. These include the following:
- *Saturday, May 21, 2022*
  - Irritable Bowel Syndrome: Clinical
- *Monday, May 23, 2022*
  - Enteric Sensation in Health and Disease (Including Visceral Pain, Neuroimmunology, Epithelial Junctions, Intestinal Barrier Function/Dysfunction and Interactions with the Microbiome)
- *Tuesday, May 24, 2022*
  - Functional Dyspepsia, Nausea and Vomiting
  - Constipation and Other Functional Colonic Syndromes
- *Sunday, May 22, 2022*
  - Enteric Neuromuscular Biology: Cell and Molecular Biology (Including Neurons, Glia, ICC, Smooth Muscle, Stem Cells & Development, Pharmacology)
- *Monday, May 23, 2022*
  - Novel Approaches to Studying Physiology of the Esophagus
- *Tuesday, May 24, 2022*
  - Enteric Neuromuscular Biology: Cell and Molecular Biology (Including Neurons, Glia, ICC, Smooth Muscle, Stem Cells & Development, Pharmacology)
- *Monday, May 23, 2022*
  - Constipation and Other Functional Colonic Syndromes
- *Tuesday, May 24, 2022*
  - Enteric Neuromuscular Biology: Cell and Molecular Biology (Including Neurons, Glia, ICC, Smooth Muscle, Stem Cells & Development, Pharmacology)
- *Tuesday, May 24, 2022*
  - Enteric Sensation in Health and Disease (Including Visceral Pain, Neuroimmunology, Epithelial Junctions, Intestinal Barrier Function/Dysfunction and Interactions with the Microbiome)
- *Sunday, May 22, 2022*
  - Functional Dyspepsia, Nausea and Vomiting
- *Monday, May 23, 2022*
  - Irritable Bowel Syndrome: Pathophysiology
Pediatric Functional and Motility Disorders
Psychogastroenterology & Behavioral Interventions
The Microbiome-Gut-Brain Axis in Health and Disease

NGM is also sponsoring 6 ePoster sessions. The topics include the following:

Brain-Gut Axis (Including Neuroimaging, Vagal Pathways and Neurobiology of Satiety, Obesity and Metabolic Disorders)
Enteric Neuromuscular Biology: Cell and Molecular Biology (Including Neurons, Glia, ICC, Smooth Muscle, Stem Cells & Development, Pharmacology)
Irritable Bowel Syndrome: Clinical
Irritable Bowel Syndrome: Pathophysiology
Oropharyngeal and Esophageal Motility Disorders
Psychogastroenterology & Behavioral Interventions

Distinguished Abstract Plenary
The Neurogastroenterology & Motility section will hold its distinguished abstract plenary on Sunday, May 22, 2022, at 4 p.m. In this session, the pathophysiology of visceral hypersensitivity and functional gastrointestinal disorders will be discussed as well as the role of the gut microbiome in irritable bowel syndrome and ENS development. In addition, state of the art research discoveries impacting patient care in neurogastroenterology and motility will be highlighted.

Symposia
Saturday, May 21, 2022
Building Optimal Gut Health: Possibility or Pipe Dream?

DDW attendees will learn data-driven approaches to answering the ever-present patient questions about deriving the optimal microbiome through prebiotics, probiotics, and diet. Dietary and microbiome-oriented treatments for GI disease are the most popular treatment option among patients by far, and this session will give clinicians useful opinions on treatment of their patients but also fodder for the inevitable patient questions about the science behind the food. Learners will also understand the limitations and potential dangers of these approaches to GI treatments.

ENS Development and Disease Progression: What Can Adult GIs Learn From Pediatrics?

This session will highlight the effects of abnormal ENS development, IBD and early life adversity on the development of functional gastrointestinal disorders. The latest research in this area will be presented to help understand the underlying pathophysiological mechanisms.

Sunday, May 22, 2022
Visceral Pain in IBS and IBD

This session will focus on new approaches to evaluate gastrointestinal pain and highlight the relationship of pain and dysmotility in pre-clinical models and humans. This symposium includes a keynote talk by Dr. Allan Basbaum on lessons learned from somatic pain that are relevant to visceral pain.

Challenging Cases — Managing Common Gastrointestinal Sensorimotor Disorders

Back by popular demand, the experts will share and debate the evidence and their approaches to managing common gastrointestinal diseases, gastroparesis, IBS, and constipation.

Monday, May 23, 2022
Signal Transduction — Luminal Signals to (Patho)physiology: Molecular and Cellular Mechanisms

This session will focus on mechanism of luminal sensing and signaling focusing on enteroendocrine cells, goblet cells and microbiota. The latest research focusing on the cellular and molecular pathways underlying luminal sensing will be discussed.

Sexual Dimorphism in NG Disease

This session will focus on the basic mechanisms of sex differences in functional gastrointestinal disorders. The epidemiology, pathophysiology and differences in pharmacotherapy as it related to gender will be discussed.

Josephine and Michael Camilleri, MD, Lecture — Diet, SIBO, and Biofeedback Therapy for FGIDs: Hope or Hype?

In this session, the speakers will debate the utility of dietary modifications, treating small intestinal bacterial overgrowth, and pelvic floor biofeedback therapy for managing common functional gastrointestinal disorders.

Tuesday, May 24, 2022
Emerging Role of Epigenetics in Disorders of the Gastrointestinal Sensorimotor Dysfunctions

This session will highlight the latest research and understanding of the changes in gene expression in IBS under stress as well as identify the genomic markers of IBS and the role of non-coding RNA in the pathophysiology of IBS.

Building, Wiring (and Re-Wiring?) the ENS

This session will highlight a comparative analysis of the human and mouse ENS, as well as focus on the diversity of the ENS, mechanism of neurogenesis and novel techniques including 3D imaging of the ENS.

Research Mentor Award

Established in 2010, the Research Mentor Award recognizes AGA members for their achievements as outstanding mentors in a specific area of research.

For Neurogastroenterology & Motility, the award will be presented to Beverley Greenwood-Van Meerveld, PhD, AGAF, FACG, FASPET, during the Neurogastroenterology & Motility (NGM) Section Distinguished Abstract Plenary, Sunday, May 22, 4 p.m. in room 23. The award will be given at 4 p.m.
Obesity, Metabolism & Nutrition (OMN)
Gerard E. Mullin, MD, AGAF & Andres Jose Acosta, MD, PhD

Introduction

DDW programming by the Obesity, Metabolism, and Nutrition (OMN) section has historically emphasized subject areas that have appealed to attendees across meeting platforms and participating societies. Our programming for DDW 2022 includes fora and symposia highlighting interconnected topics, including obesity pathobiology and the interplay of gene-environmental interactions, new and innovative endoscopic and other treatments of obesity and fatty liver disease, GI regulation of energy balance, and the role of nutrition in digestive organ failure. OMN is honored to cosponsor the first Tadataka “Tachi” Yamada, MD, lecture: Our Food Environment: The Interplay of Genes, Phenotypes and Environment That Shape Our Weight. To provide a full spectrum of energy balance disorders, a symposium on the overview on the recognition and management of malnutrition for the practicing gastroenterologist is provided. A translational seminar on the role of personalized nutrition in digestive disease and a nutrition mini-boot camp for gastroenterology trainees are featured programs. The OMN section has also endeavored to balance basic research to shed light on disease mechanisms, including pre-clinical studies to develop new therapies and clinical and translational research to describe disease phenotypes better and test new therapeutic approaches.

Research Fora

Abstracts will be presented to facilitate the understanding of evolving concepts in nutrition and obesity basic science. Emerging translational science in nutrition research includes how nutrients interact with neuroendocrine networks and neurogastrointestinal motility.

Tuesday, May 24, 2022

- Obesity, Metabolism and Nutrition Premier Abstracts

Poster Sessions

OMN is sponsoring 5 poster sessions. The topics include the following:

- Dietary Therapies and Vitamins
- Intestinal Failure and Nutrition Support
- Obesity Basic - Epidemiology
- Obesity- Clinical and Endoscopic Therapies
- Obesity: Endoscopic and Surgical Therapies

ePoster Session

OMN is sponsoring 1 eposter session. The topic includes the following:

- Obesity, Metabolism and Nutrition ePosters

Distinguished Abstract Plenary

This symposium will present the latest clinical, basic, and translational science on energy metabolism, dietary management of irritable bowel syndrome, and on the role malnutrition on COVID-19 health-economic outcomes.

Monday, May 23, 2022

- Obesity, Metabolism & Nutrition (OMN) Section Distinguished Abstract Plenary

Symposia

Saturday, May 21, 2022

- Nutrition in Digestive Organ Failure for the Practicing Gastroenterologist

The role of nutrition in the management of hospitalized patients and in the home-setting has become more challenging and there is evolving literature regrading best practice management. This session will review the latest evidence and available clinical guidelines for the nutritional management of digestive organ failures in the hospital and home settings.

Sunday, May 22, 2022

- Food as Medicine for Malnutrition: What the Practicing Gastroenterologist Needs to Know

Malnutrition is an important diagnosis that is commonly missed in community and hospital settings. Early interventions can arrest or mitigate its downstream consequences.

This program will present an expert panel of speakers and moderates in the area of malnutrition recognition and treatment-using a food as medicine approach.

- Food Intake Regulation and Obesity
- Weight Loss Therapies and NAFLD: Can We Reverse the Trajectory of a Chronic Disease?

The worldwide increase in obesity prevalence has led to a concomitant increase in associated metabolic conditions, including nonalcoholic fatty liver disease (NAFLD). Few treatment options currently exist, although guidelines recommend weight loss. Attend this session to learn about obesity treatment strategies that are safe in chronic liver disease patients and understand the role of lifestyle (diets), medical, surgical and endoscopic weight loss methods to treat NAFLD.

Monday, May 23, 2022

- Tadataka “Tachi” Yamada, MD, Lecture: Our Food Environment: The Interplay of Genes, Phenotypes and Environment That Shape Our Weight

The ongoing pandemic of obesity has affected our lives and our health. Attend this session to learn from leading experts from the FDA and academia about the impact of food policies, the environment and genetics on the dramatic increase in the rate of obesity an overweight over the past 30 years and especially the exploding digital media and marketing landscape.
Tuesday, May 24, 2022

- Nutrition Bootcamp for Gastroenterology Trainees I
- Personalized Nutrition for Digestive Disease: Ready for Prime Time?

Research Mentor Award
Established in 2010, the Research Mentor Award recognizes AGA members for their achievements as outstanding mentors in a specific area of research.

For Obesity, Metabolism and Nutrition Section, the award will be presented to Stephen J.D. O’Keefe, MBBS, MSC, MD, AGAF during Obesity, Metabolism & Nutrition (OMN) Section Distinguished Abstract Plenary, Monday, May 23 at 2 pm, room 28ABC.

Pancreatic Disorders (PAN)
C. Mel Wilcox, MD and Vikesh Singh, MD, MSc

Introduction
Areas of focus
- Predicting the severity of acute pancreatitis, refining interventions and developing new drugs for treatment.
- Defining the relationship between chronic pancreatitis, diabetes and pancreatic cancer.
- Determining the mechanisms, risk factors and prevention of post-ERCP pancreatitis.
- Defining indications and outcomes for total pancreaticoectomy with islet auto transplantation (TPIAT).
- Evaluating the positive and negative impact of alcohol on the pancreas and liver.
- Creating advances in pancreatic endoscopy including EUS, confocal laser micro-endoscopy, per-oral pancreatoscopy, cholangioscopy and combined EUS/ERCP intervention.
- Understanding cellular crosstalk between acinar, ductal, islet and stellate cells in the pathogenesis of pancreatic disease.
- Finding new advances in cross-sectional and nuclear medicine imaging of the pancreas.
- Determining the role of CFTR in normal exocrine and endocrine function and the role of mutations in the pathogenesis of pancreatitis and diabetes mellitus.
- Exploring recent advances in the diagnosis and treatment of neuroendocrine tumors of pancreas.

Research Fora
High quality studies on the clinical topics of acute and chronic pancreatitis will be presented. Basic research on surveillance and mechanisms of pancreatic cancer and experimental pancreatitis will also be presented.
Monday, May 23, 2022
- Management of Large Data and Artificial Intelligence Methodology in Gastroenterology

Tuesday, May 24, 2022
- Acute Pancreatitis: What’s New?
- Mechanism-Based Treatments For Acute and Chronic Pancreatitis

Research Mentor Award
Established in 2010, the Research Mentor Award recognizes AGA members for their achievements as outstanding mentors in a specific area of research.

For PAN, the award will be presented to Stephen Pandol, MD during the PAN Distinguished Abstract Plenary taking place Monday, May 23 at 4:00PM in room 28ABC of the San Diego Convention Center.

Pediatric Gastroenterology & Developmental Biology (PGDB)
Neera Gupta, MD, MAS & Anne Zemper, PhD

Introduction
Pediatric Gastroenterology & Developmental Biology (PGDB) serves dual roles in both attracting basic scientists focused on the biological pathways that regulate the growth, development and differentiation of the gastrointestinal tract as well as clinical/translational/basic physician scientists/scientists and clinicians interested in gastrointestinal diseases occurring in the pediatric population.

Research Fora
The PGDB section will feature 5 research fora, the majority of which will showcase both abstract and invited presentations.
Saturday, May 21, 2022
- Models of Intestinal Regeneration and Disease
- Pediatric Gastroenterology
- Development of the Liver, Pancreas and GI Tract

Monday, May 23, 2022
- Molecular Crosstalk in the GI tract: Development and Developmental Disorders

Tuesday, May 24, 2022
- Pediatric IBD: Clinical and Translational Studies

Poster Sessions
PGDB is sponsoring 12 poster sessions. The topics include the following:
- COVID and Pediatric GI
- Developmental Biology, Growth, and Aging in the GI Tract and Enteric Nervous System
- Genetics and Gastrointestinal Disorders
- In Vivo Models of Gastrointestinal Disorders
- Health Disparities in Pediatric Patients with GI Disease
- Pediatric IBD and Nutrition
- Pediatric Pancreatic, Liver and Biliary Diseases
- Pediatric IBD: Clinical and Translational Studies
- Clinical Pediatric Gastroenterology
- Pediatric Functional and Motility Disorders
- Pediatric Microbiome and Microbial Therapies
- Pediatric Functional and Motility Disorders II

ePoster Session
PGDB is sponsoring 1 ePoster session. The topic includes the following:
- Pediatric IBD and Functional and Motility Disorders ePosters

Symposia
Saturday, May 21, 2022
- Management and Emerging Therapies in Pediatric Intestinal Failure

Sunday, May 22, 2022
- Diagnosing and Managing Pediatric IBD in the 21st Century

Monday, May 23, 2022
- Pediatric Liver and Pancreatic Disorders

Tuesday, May 24, 2022
- Pediatric Functional and Motility Disorders

Research Mentor Award
Established in 2010, the Research Mentor Award recognizes AGA members for their achievements as outstanding mentors in a specific area of research.

For Pediatric Gastroenterology & Developmental Biology Section, the award will be presented to Maria Oliva-Hemker, MD, AGAF during Diagnosing and Managing Pediatric IBD in the 21st Century, Sunday, May 22 at 4pm, room 30.