Are Gut Bitter Taste Receptors “Tasting” Bacteria?
Invited Lecture
Catia Sternini

Barriers to compliance to gluten-free diet in celiac disease: The role of depression and motivation.
Poster Session
Guy Weiss, Lackner JM, Keller CE, Gudleski GD, Hauck C, Sitrin MD

Hands-on Stations – Hemorrhoid Therapies (HW1)
Hands-on Workshop
Dennis M. Jensen

Functional Abdominal Pain: Diagnosis and Management
Postgraduate Course Clinical Challenge Sessions
Lembo A, Lin Chang

Gene Polymorphisms and Cytokines in Irritable Bowel Syndrome
Clinical Symposium
Lin Chang

Risks of Infection: Old vs. Young
Clinical Symposium
Christina Y. Ha

Colon MicroRNA-133α promotes neurotensin-associated proinflammatory responses in human colonic epithelial cells.
Research Forum
Ivy Ka Man Law, Kyriaki Bakirtzi, Christos Polytarchou, Hon Wai Koon, Daniel W. Hommes, Dimitrios Iliopoulos, Charalabos Pothoulakis

Deletion of phosphatase and tensin homolog PTEN in the intestinal epithelium causes spontaneous early-onset colitis in an IL-10 deficient environment.
Research Forum
Eunok Im, Charalabos Pothoulakis, Sang Hoon Rhee

Identification of a novel substance P (SP)-neurokinin-1 receptor (NK-1R) microRNA-221 inflammatory network in human colonic epithelial cells.
Research Forum
Kai Fang, Aristeia Sideri, Ivy Ka Man Law, Kyriaki Bakirtzi, Hon Wai Koon, Angelos Oikonomopoulou, Daniel W. Hommes, Dimitrios Iliopoulos, Charalabos Pothoulakis

Nutrient Sensing in the Gut
Research Symposium
Enrique Rozengurt (moderator)

PKD1 functions upstream of PKA in a novel pathway that links GPCR activation to β-catenin phosphorylation at Ser15 in intestinal epithelial cells
Research Forum
James Sinnett-Smith, Yang Ni, Steven H. Young, Enrique Rozengurt

Prediction of Diverticulosis as the Cause of Severe Lower Gastrointestinal Bleeding versus Other Etiologies by Multivariate Analysis
Research Forum
Chavalitdhamrong D, Dennis M. Jensen, Markovic D, Mary Ellen Jensen, Gornbein J

A Phase II, Randomized, Placebo-Controlled, Double-Blind, Multi-Center Study to Assess the Antifibrotic Activity of Fuzheng Huayu in Chronic Hepatitis C Patients with Hepatic Fibrosis (S-USIIT-01)
Poster Session

Altered Resting State and Functional Connectivity between the Nucleus Accumbens and Reward-based Regions in Overweight and Obese Women
Poster Session
Kristen Coveneskie, Arpana Gupta, Jennifer S. Labus, Dylan Mayer, Cody Ashe-McNalley, Jean Stains, Lisa A. Kilpatrick, Emeran A. Mayer

Antimicrobial peptide cathelicidin inhibits Salmonella mediated intestinal inflammation and fibrosis.
Poster Session
Samantha Ho, Kyriaki Bakirtzi, Isaacson RE, Charalabos Pothoulakis, Hon Wai Koon

Challenges in the Work Place: Decreased Work Productivity and Job-lock in IBD Patients
Poster Session
Welmoed K. van Deen, Aria Zand, Christina Y. Ha, Ellen Kane, Jennifer M. Choi, Bennett E. Roth, Adriana Centeno, Eric Essrailian, Daniel W. Hommes

Corticotropin-releasing factor (CRF) Peptides Modulate Rat Colonic Neuronal Tau Phosphorylation: Differential role of CRF receptors.
Poster Session
Hung Pham, Wu SV, Pu-Qing Yuan, Eslami P, Harris-White ME, Million Mulugeta

Endoscopic technical success does not always correlate with successful outcomes in patients with gastrointestinal fistulas and leaks: Experience from a single tertiary care center
Poster Session
Pourmand K, Alireza Sedarat, Kochman ML, Ginsberg GG, Chandrasekhar V, Ahmad NA

Morphological Imaging-Based Brain Signatures Discriminate Overweight from Lean Subjects: Examining Central Mechanisms With Obesity
Poster Session
Arpana Gupta, Emeran A. Mayer, Claudia P. Sanmiguel, Dinov ID, Kirsten Tillisch, Jennifer S. Labus

Outcomes of Liver Transplantation in the United States: What Has Changed Over the Last 25 Years?
Poster Session

Protection of the Enteric Nervous System in Colitis: A Therapeutic Approach for IBD?
Poster Session
Lisa A. Kilpatrick, Arpana Gupta, Jennifer S. Labus, Joshua J. Istrin, Claudia P. Sanmiguel, Kirsten Tillisch, Emeran A. Mayer
MAY 3 (continued from page 1)

Sex commonalities and differences in BMI-related alterations in intrinsic brain activity and connectivity
Poster Session
Lisa A. Kilpatrick, Arpana Gupta, Jennifer S. Labus, Joshua J. Istrin, Claudia P. Sanmiguel, Kirsten Tillisch, Emeran A. Mayer

The Development of e-Health Tools for the Management of Inflammatory Bowel Diseases
Poster Session
Welmoed K. van Deen, Jennifer M. Choi, Aria Zand, Christina Y. Ha, Elizabeth K. Inserra, Laurin Eimers, Adriana Centeno, Bennett E. Roth, Daniel Cole, Terri Getzug, Ellen Kane, Lynn S. Connolly, Mark Osiowitlz, Andrew D. Ho, Martijn G. van Oijen, Eric Esrailian, Daniel W. Hommes

Uninvestigated Dyspepsia in the U.S. General Population: Results from the Rome Normative Gastrointestinal Symptoms Survey (RNGSS)
Poster Session

Poster Session

MAY 4

Hands-on Stations
Hands-on Workshops – Luminal Stenting and Ablation (HW4)
Rabindra R. Watson

Difficult problems in ERCP: a case-based approach
Meet-the-Professors Luncheon
Haluszka O, V. Raman Muthusamy

A Decision Analytic Markov Model to Evaluate the Health Outcomes for Sofosbuvir for Previously Untreated Patients and Those Without Treatment Options with Chronic Hepatitis C Virus
Poster Session
Sammy Saab, Gordon SC, Park H, Ahmed A, Younossi ZM

IBS and FODMAP
ASGE/AGA Joint Presidential Plenary Session
Lin Chang

For Peptic Ulcer Bleeding (PUB), Active Arterial Bleeding (Forrest 1A) has a Significantly Higher Risk of Rebleeding than Oozing Bleeding (Forrest 1B)
Topic Forum
Dennis M. Jensen, Gordon V. Ohring, Thomas O. Kovacs, Kevin A. Ghassemi, Romeo Jutabha, Machicado GA, Dulai GS

Human gut microbiota clusters correlate with anatomical brain signatures: a pilot study
ASGE/AGA Joint Presidential Plenary Session

New Endoscopic Techniques
Topic Forum — Moderator and State-of-the-Art Lecture
V. Raman Muthusamy

A Prospective, Multicenter Study Research the Aptitude of Trainees in Endoscopic Ultrasonography (RATE US STUDY) using Cumulative Sum Analysis (CUSUM)
Topic Forum

Predictors of Complications from Radiofrequency Ablation (RFA) During Treatment of Barrett’s Esophagus: Results from the U.S. RFA Registry
Topic Forum
Hathorn KE, Lightdale CJ, Wolf WA, Corbett FS, Pasricha S, Rothstein RI, Cotton CC, Camara DS, V. Raman Muthusamy, Shaheen NJ

Abdominal surgery induced gastric ileus and activation of M1 macrophages in the gastric myenteric plexus: prevention by central vagal activation in rats
Research Forum
Pu-Qing Yuan, Hiroshi Karasawa, Yvette Taché

Cathelicidin inhibits colitis associated colon cancer development by inhibition of epithelial-mesenchymal transition and cancer associated fibroblasts.
Research Forum
Michelle Cheng, Samantha Ho, Jun Hwan Yoo, Kyriaki Bakirtzi, Yuzu Kubota, Ryan Ichikawa, Deanna H. Tran, Gallo R, Charalabos Pothoulakis, Hon Wai Koon

Fulfillment of Quality Indicators (QIs) Predicts Length of Stay (LOS) in Patients with Acute Gastrointestinal Bleeding (GIB)
Research Forum
Carl Nordstrom, Karsen SS, Mark W. Reid, Brennan M.R. Spiegel

In-vitro fertilization in women with inflammatory bowel disease is as successful as in women from the general infertility population
Research Forum

Protein kinase D1 (PKD1) regulates the accumulation of the second messenger phosphatidylinositol (3,4,5)-trisphosphate in intestinal epithelial cells.
Research Forum
Yang Ni, James Sinnet-Smith, Steven H. Young, Heloisa P. Soares, Enrique Rozenburg

A Decision Analytic Markov Model to Evaluate the Health Outcomes of Sofosbuvir for Previously Untreated Patients and Those Without Treatment Options with Chronic Hepatitis C Virus
Poster Session
Sammy Saab, Gordon SC, Park H, Ahmed A, Younossi ZM

Attitudes and Practices Regarding Type II Sphincter of Odd Dysfunction (SOD): A Comparative Survey Study of Expert Biliary Endoscopists and Referring Gastroenterologists
Poster Session
Rabindra R. Watson, Shah JN, Komanduri S, Klapman JB, Wani S, V. Raman Muthusamy

Cirrhosis Regression in Hepatitis C Patients with Sustained Virologic Response after Anti-Viral Therapy: A Meta-analysis
Poster Session
Sammy Saab, Manve V, Akhtar E

Creation of a Prediction Tool (M-PACT) to Accurately Identify Premalignant and Malignant Cysts in Patients Undergoing Endoscopic Ultrasound (EUS) for Evaluation of Pancreatic Cystic Lesions: Results from a Large Multicenter Cohort
Poster Session
Cross talk between somatostatin receptor subtype 2 (sst2) and corticotropin releasing factor receptor 1 (CRF1) signaling pathways in the rat colon: functional implications  
Poster Session  
Pu-Qing Yuan, Yvette Taché

Effects of alternative xeno-free media formulations on the functional characteristics of IFN-γ-primed human Bone Marrow and Adipose derived Mesenchymal stem cells  
Poster Session  
Angelos Oikonomopoulos, Welmoed K. van Deen, Daniel W. Hommes

Global DNA Methylation Analysis in Irritable Bowel Syndrome  
Poster Session  
Swapna M. Joshi, Christos Polytaichou, Dimitrios Ilipoulos, DeYoung J, Emeran A. Mayer, Lin Chang

Grey matter alterations in medial prefrontal cortex show negative associations with subjective reports of worry in IBS patients  
Poster Session  

Impaired miRNA regulation as molecular cause of altered 5-HT4 receptor signalling in irritable bowel syndrome  
Poster Session  

Intestinal cathelicidin level indicates inflammatory bowel disease activity and mediates anti-inflammatory effects in colitis.  
Poster Session  
Samantha Ho, Michelle Cheng, Shih MQ, Vu M, Tressia Hing, Yuzu Kubota, Ryan Ichikawa, Deanna H. Tran, Gaillo R, Targan S, Charalabos Pothoulakis, Hon Wai Koon

Intracerebroventricular urocortin 1-induced diarrhea in rats  
Poster Session  
Pu-Qing Yuan, Yvette Taché

Interobserver Agreement Between Trainers and Trainees: Results from a Multicenter Study Evaluating Learning Curves and Competency in ERCP  
Poster Session  

Opioid Receptor Activation Protects Against Intestinal Ischemia-Reperfusion Injury in Mice Through Different Pathways During Early and Late Phase of Reperfusion.  
Poster Session  
Duraffourd C, Tsui J, N Brecha, Catia Sterini

Prevalence and Characteristics of Previously Undetected (Surprise) Colorectal Cancer in Colectomy Specimens among Patients with Inflammatory Bowel Disease  
Poster Session  
Eluri S, Parian AM, Limketkai BN, Christina Y. Ha, Montgomery EA, Lazarev M

Prevalence of infant/toddler functional gastrointestinal disorders in the U.S.: Results of a national community survey of mothers  
Poster Session  
Gina Choi, Lee KG, Wu C, Sammy Saab

Repeated Water Avoidance Stress Induces Sex and Regional-Dependent Alterations in Rats Colonic Epithelial Function  
Poster Session  
Gina Choi, Lee KG, Wu C, Sammy Saab

Renal transplantation threshold in patients with hepatitis C liver fibrosis and cirrhosis: a decision analysis model.  
Poster Session  
Choi Han, Lee KG, Wu C, Sammy Saab

State of trainee inflammatory bowel disease education in the United States: A national survey  
Poster Session  
Eslailian, Daniel W. Hommes

The Development and Evaluation of Coordinated Care Pathways for Inflammatory Bowel Diseases  
Poster Session  
Welmoed K. van Deen, Jennifer M. Choi, Elizabeth K. Inserra, Laurin Emers, Ellen Kane, Mark Ovsiovitch, Adriana Centeno, Martijn G. van Oijen, Bennett E. Roth, Daniel Hollander, Wendy Ho, Daniel Cole, Terri Getzug, Lynn S. Connolly, Andrew D. Ho, Christina Y. Ha, Eric Eslailian, Daniel W. Hommes

Treating Chronic Hepatitis C Infection in the Elderly: Estimated Impact on Life Expectancy  
Poster Session  
Zhou K, Ferguson J, Elashoff D, Vasoactive intestinal peptide (VIP) is involved in intraperitoneal corticotropin-releasing factor (CRF) induced diarrhea in rats  
Poster Session  
Seiichi Yakabi, Lixin Wang, Hiroshi Karasawa, Koike K, Yakabi K, Yvette Taché

May 5

All-Cause Mortality in Patients with Barrett’s Esophagus Undergoing Radiofrequency Ablation: Results from the U.S. RFA Registry  
Distinguished Abstract Plenary  
Pasricha S, Triadafilopoulos G, Li N, V. Raman Muthusamy, Wolf WA, Chmielewski GW, Cotton CC, Corbett FS, Camara DS, Shaheen NJ

Multivariate pattern analysis identifies diffusion tensor imaging-based brain signatures that accurately discriminate irritable bowel syndrome patients from healthy controls  
Distinguished Abstract Plenary  
Jennifer S. Labus, Van Horn JD, Arpana Gupta, Torgerson C, Cody Ashe-McNalley, Cathy Liu, Irinia A, Kirsten Tillisch, Emeran A. Mayer

What the Physician Innovator Needs to Know  
Committee Sponsored Symposium  
V. Raman Muthusamy

Architecture of anatomical brain networks differs in irritable bowel syndrome compared to healthy controls  
Research Forum  
Jennifer S. Labus, Van Horn JD, Torgerson C, Arpana Gupta, Cody Ashe-McNalley, Cathy Liu, Bruce D. Naliboff, Kirsten Tillisch, Emeran A. Mayer

Catecholaminergic Genetic Polymorphisms are Associated with Autonomic Nervous System (ANS) Function in Irritable Bowel Syndrome  
Research Forum  
Alexa C. Orand, Shih W, Tiffany Ju, Presson AP, Nuwanthi Heendeniya, Emeran A. Mayer, Bruce D. Naliboff, Lin Chang
Functional dyspepsia in children: Can we distinguish epigastric pain and postprandial distress? Research Forum

Genes and IBS - is there a pattern to the puzzle? Research Forum
Lin Chang

Mucosal Bitter Taste Receptor Expression In Overweight And Obese Subjects Research Forum

Prevalence of child/adolescent functional gastrointestinal disorders in a national U.S. community sample Research Forum

Serrated epithelial change is associated with a longer time to dysplasia in patients with chronic ulcerative colitis Research Forum
Parian AM, Limketkai BN, Christina Y. Ha, Montgomery EA, Lazarev M

Scheduled unsedated colonoscopy is an effective approach to manage no shows and cancellations due to lack of escorts required for certain sedation. Topic Forum

Tenofovir (TDF) Monotherapy is Comparable to Tenofovir and Entecavir (TDF+ETV) Combination Therapy as Rescue Therapy for Patients with Partial Response to ETV: A Multicenter Study Topic Forum
Lu L, Trinh HM, Pan CQ, Steven-Huy B. Han, Wong CC, Li J, Chan S, Wong C, Nguyen MH

Addressing Low Colorectal Cancer Screening in African Americans: Focus Groups Reveal Insights for Developing an Effective Intervention Poster Session
Folasade P. May, Cynthia B. Whitman, Ksenia Varlyguina, Erica G. Bromley, Bibiana M. Martinez, Brennan M.R. Spiegel

Autoimmune pancreatitis is associated with aggressive IBD Poster Session
Parian AM, Afghani E, Limketkai BN, Jain A, Christina Y. Ha, Singh VK, Lazarev M

Dissociation of GPCR-stimulated DNA synthesis from dephosphorylation of YAP at Ser-127. Poster Session
Jia Wang, Ming Ming, Yang Ni, James Sinnett-Smith, Enrique Rozengurt

Identification of a novel stimulus-dependent phosphorylation in the N-terminal region of protein kinase D1 (PKD1) in intestinal epithelial cells. Poster Session
Yang Ni, James Sinnett-Smith, Enrique Rozengurt

Illness Perceptions and Coping Predict Quality of Life and Work Productivity in IBD Patients with Arthritis: A 12-Month Prospective Study Poster Session

Laparotomy and intraoperative enteroscopy for severe obscure gastrointestinal bleeding before and after the era of video capsule endoscopy and deep enteroscopy Poster Session
Manatsathit W, Dennis M. Jensen, Hines OJ, Thomas O. Kovacs, Gordon V. Ohning, Rome Jutabha, Kevin A. Ghassemi, Dulai GS, Machicado GA

Rikkunshito improves post-operative gastric ileus and meal pattern in rodents Poster session
Lixin Wang, Seiichi Yakabi, Hiroshi Kasarawa, Yakabi K, Koike K, Yvette Taché

Should Serum Ferritin be used as a Predictive Marker for Colonic Neoplasia in Patients with Iron Deficiency Anemia? Poster Session
Aung Kaung, Brian L. Huang, Claudia P. Sanmiguel, Stanley K. Dea, Brennan M.R. Spiegel

Development and Validation of PRISM: A Patient Reported Outcome Measure for GERD Patients who are Partial or Non-Responders to PPI Therapy Poster Session

A glove-based, disposable, point-of-service device which allows detailed physiological assessment of the anorectum: A proof of concept study in healthy volunteers. Poster Session

MAY 6

Irritable Bowel Syndrome Meet-the-Professor Luncheons Lin Chang

ASGE Video Forum Moderator Kevin Ghassemi

Celiac Disease Clinical Symposium Brennan M.R. Spiegel

Medicinal Therapies: Low Dose Naltrexone and Cannabis in IBD Clinical Symposium Christina Y. Ha

Communication with the Patient in Era of HER Committee Sponsored Symposium Lin Chang

A Multicenter Prospective Randomized Controlled Cross-over Trial Comparing Endoscopic Ultrasound (EUS)-Guided Fine Needle Aspiration (FNA) and Fine Needle Biopsy (FNB) For Pancreatic and Non-Pancreatic Masses Topic Forum

Fine Needle Biopsy (FNB) is More Cost-Effective Than Fine Needle Aspiration (FNA) for Endoscopic Ultrasound Guided Tissue Sampling: An Economic Analysis Topic Forum
Wani S, V. Raman Muthusamy, Komanduri S, Rabindra R. Watson, Shah JN, Klapman JB, Das A

Fecal Incontinence (FI) Prevalence and Associated Gastrointestinal Risk Factors in the U.S. General Population Research Forum
Detailed Analysis of Predictors for Surgical Resection in Patients with Pancreatic Cystic Lesions Undergoing Endoscopic Ultrasound with and without Fine Needle Aspiration: Results from a Large Multicenter Cohort Study
Poster Session

Diagnostic Accuracy of Carcinembryonic Antigen (CEA) in Cyst Fluid Analysis in Histologically Confirmed Pancreatic Cysts: Results from a Large, Multicenter Cohort Study
Poster Session

Doppler Endoscopic Probe (DEP) as a Guide to Risk Stratification & Prophylaxis to Prevent Delayed Post-polypectomy Induced Ulcer (PPIU) Hemorrhage after Polypectomy
Poster Session
Dennis M. Jensen, Gordon V. Ohning

A Novel Algorithm for Predicting Patient Absenteeism for Gastroenterology Procedures
Poster Presentation

IBD-associated effects of fat-derived mediators in the regulation of adiponectin receptor 1 (AdipoR1) in human colonocytes
Poster Session
Aristea Sideri, Shih D, Fleshner P, Arsenescu R, Turner JR, Charalabos Pothislakis, Iordanes Karagiannides

Identification of a novel protein kinase D1 (PKD1)/RIN1 axis in pancreatic cancer cells
Poster Session
Guha S, James Sinnett-Smith, Enrique Rozengurt

Inhibition of corticotropin-releasing hormone receptor 2 (CRHR2) expression in colorectal cancer correlates with tumor growth and EMT in vitro and in vivo, poor patient survival and increased risk for distant metastases.
Poster Session

MicroRNA-4284 regulates CXCL5 expression and is down-regulated in colon tissues of pediatric patients with ulcerative colitis
Poster Session

Neurotensin (NT) through the regulation of microRNA (mir)-210 promotes the development of colitis and intestinal angiogenesis.
Poster Session
Kyriaki Bakirtzi, Ivy Ka Man Law, Christos Polytazhchou, Daniel W. Hommes, Dimitrios Ilipoupolos, Charalabos Pothoulakis

Patients with irritable bowel syndrome show sex related differences in resting-state functional connectivity
Poster Session
Jui-Yang Hong, Jennifer S. Labus, Lisa A. Kilpatrick, Jean Stains, Nwamnehi Enedendiya, Suzanne R. Smith, David Katibian, Kirsten Tillisch, Emeran A. Mayer

PKD1 mediates class IIa histone deacetylase phosphorylation and nuclear/cytoplasmic shuttling in intestinal epithelial cells
Poster Session
Gati Goel, Tong M, Li XX, Baron G, Targan S, McGovern DP, Braun J

Role of corticotropin-releasing hormone 2 in mucosal healing during colitis
Poster Session
Jill M. Hoffman, Stavroula Baritaki, Jonathan J. Ruiz, Aristeia Sideri, Charalabos Pothislakis

Suppression of the mTOR/PI3K pathway promotes ERK pathway activation in human pancreatic cancer cells
Poster Session
Soares HP, Ming Ming, Michelle Mellon, James Sinnett-Smith, Enrique Rozengurt

The role of genetic variation and C-reactive protein (CRP) in inflammatory bowel disease
Poster Session