



The 5th Biennial Meeting of
The Federation of Neurogastroenterology and Motility (FNM)

SCIENTIFIC PROGRAM

November 5 - 8, 2024

Queen Sirikit National Convention Center
Bangkok, Thailand



HOST



ORGANIZED BY



SUPPORTED BY



FNM board

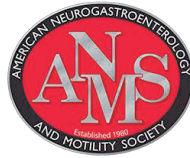
Sutep Gonlachanvit
Hiroto Miwa
Kewin Siah



FNM 2024 Scientific Committee

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Justin Wu
Siah Tien Ho
Tanisa Patcharatrakul

Nicholas Verne
John Pandolfino
Adil Bharucha



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Shanthi Srinivasan
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Gerard Clarke

Ignacio Hanna
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Ignacio Hanna
Luis Aguilar Paiz

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Christine Feinle
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Yudhtana Sattawatthamrong
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Program executive advisor
Program executive advisor
Social event
Communication & PR

WELCOME

The FNM 2024 local organizing committee, in collaboration with the Asian Neurogastroenterology and Motility Association and the Center of Excellence in Neurogastroenterology and Motility at Chulalongkorn University, is excited to host the FNM 2024 conference in Bangkok, Thailand. This event will provide a platform for clinicians, researchers, and professionals from around the world to exchange knowledge and advancements in neurogastroenterology and motility. With over 100 distinguished speakers presenting cutting-edge findings across basic, translational, and clinical aspects, FNM 2024 promises to be a groundbreaking event.

Bangkok, a vibrant city of contrasts, will serve as a dynamic host for the conference. Attendees will have the opportunity to explore the city's rich culture, savor exquisite cuisines, and enjoy its famous street food.

FNM 2024 in Bangkok is the perfect opportunity to gain insights into the latest advancements in neurogastroenterology and motility while experiencing the unique culture and flavors of Thailand.



Professor Sutep Gonlachanvit
Chair, FNM 2024 local organizing committee
Director, Center of Excellence in Neurogastroenterology and Motility,
Chulalongkorn University, Bangkok, Thailand



FNM 2024 program at a glance

Room 208	Room 209	Room 210	Room 211	Room 203
Tue. November 5, 2024				
01:00 P.M. - 06:00 P.M.	Post-graduate Course			
Wed. November 6, 2024				
FNM main scientific program				
08:00 A.M. - 12:00 P.M.	Post-graduate Course			FNM-associate events Pediatric masterclass
01:00 P.M. - 02:00 P.M.	Plenary Session Immune dysregulation in IBS • Food and gut-brain axis • Gut microbiota in IBS in different parts of the world	Live from room 208-209		
02:00 P.M. - 02:30 P.M.	Royal Reception			
02:30 P.M. - 03:50 P.M.	Live from room 210	*Opening Ceremony* Plenary session • GERD overlapping with DGBI: Good or Bad?		
03:50 P.M. - 04:30 P.M.	Break			
04:30 P.M. - 06:00 P.M.	Plenary symposium: Dyspepsia			
06:00 P.M. - 07:15 P.M.	Sponsored symposium (by Reckitt Benckiser) Ways to trim down PPI treatment for GERD?			
07:30 P.M. - 08:30 P.M.	Welcome Reception			

*Her Royal Highness Princess Maha Chakri Sirindhorn will grace the FNM 2024 meeting with her presence at the opening ceremony session. We would be honored to have all registered attendees join this special occasion.

For security reasons, if you wish to greet Her Royal Highness in person, please present your ID or passport and arrive the venue by 1:00 PM in formal attire. A live broadcast of the event will also be available in rooms 208-209.

FNM 2024 program at a glance

	Room 208	Room 209	Room 210	Room 211	Room 203
Thu. November 7, 2024					
	FNM main scientific program				
	Basic science session	Translational science session	Clinical science session	FNM special sessions	
08:00 A.M. - 09:40 A.M.	B1 Leaky Gut in DGBI	T1 Role of Gut Microbiota in GI Disorders	C1 Lessons Learned from Chicago Classification V 4.0	Pediatric session 1 (08:00-9:00) Best of LBBB (9:10-9:40)	
09:40 A.M. - 10:00 A.M.	Break				
10:00 A.M. - 11:40 A.M.	B2 The ENS at Opposite Ends of the Aging Spectrum	T2 Gut-Brain Interaction	C2 What's New in GERD?	Middle East NGM club	
11:40 A.M. - 01:00 P.M.	lunch, poster presentation				
01:00 P.M. - 02:40 P.M.	B3 Role of Glia cells in Gut Functions	T3 Emerging Technology in Neurogastroenterology	C3 Progression to ROME V	Traditional, Complementary, Integrative Medicine in DGBI	
02:40 P.M. - 03:00 P.M.	break				
03:00 P.M. - 04:40 P.M.	B4 Neuroimmune	T4 Obesity, Satiety Regulation and Gut Hormone	C4 IBS	Asian Food and DGBI	
04:40 P.M. - 05:40 P.M.	B5 ENS Plasticity	T5 Gastroparesis	C5 What's New in Functional Esophageal Disorder and Oropharyngeal Function?	Asian Focus on DGBI	

FNM 2024 program at a glance

	Room 208	Room 209	Room 210	Room 211	Room 203
Fri. November 8, 2024					
	FNM main scientific program				
	Basic science session	Translational science session	Clinical science session	FNM special sessions	FNM-associate events
08:00 A.M. - 09:40 A.M.	B6 Gut Sensing	T6 Appetite Regulation	C6 What's New in Constipation?	Pediatric session 2	
09:40 A.M. - 10:00 A.M.	Break				
10:00 A.M. - 11:40 A.M.	B7 Abdominal Pain from Bench to Bedside	T7 Critical Revision of the Literature on the Role of Microbiota in DGBI	C7 Diet: Just a Trigger or Potential Cause of Symptoms in DGBI	Pediatric session 3	
11:40 A.M. - 01:00 P.M.	lunch, poster presentation				
01:00 P.M. - 02:40 P.M.	B8 New Technologies to Investigate ENS Function	T8 Hybrid Basic and Clinical Session	C8 When Pediatric and Adult Gastroenterologists Meet		Asian ROme foundation BiOmarker project (ROBOT) & Young Investigators Meeting
02:40 P.M. - 03:00 P.M.	Break				
03:00 P.M. - 04:40 P.M.	B9 Study of Brain-Gut Interaction by Imaging and Novel Techniques	T9 Precision Medicine in DGBI	C9 Alternative/Herbal Medicine in DGBI		
04:40 P.M. - 05:40 P.M.	B10 Novel Neurobiology Mechanism of the Gut	T10 Novel Therapeutic Targets in Neurogastroenterology and Motility	C10 Consensus and Classifications		

Postgraduate course

"Navigating Solutions for DGBI and GI motility disorders"


Room 208 - 209

November 5th, 2024

01:25 P.M. - 01:50 P.M.	Busting Bloating	Sutep Gonlachanvit
01:50 P.M. - 02:15 P.M.	Current management of achalasia	Michael F Vaezi
02:15 P.M. - 02:40 P.M.	Management of non-obstructive dysphagia: beyond achalasia	John Pandolfino
03:05 P.M. - 03:30 P.M.	Nailing NERD	Justin Wu
03:30 P.M. - 03:55 P.M.	Clinical use of Rome criteria: Tips and pitfalls	Jan Tack
03:55 P.M. - 04:20 P.M.	Supragastric belching: evaluation and solutions	Daniel Sifrim
04:20 P.M. - 04:45 P.M.	SIBO and IMO demystified	Uday Ghoshal
04:45 P.M. - 05:10 P.M.	Impact of obesity treatment on GI motility	Prakash Gyawali
05:10 P.M. - 05:35 P.M.	Food: friend or foe	William Chey

November 6th, 2024

08:00 A.M. - 08:25 A.M.	Empowering Control: Non-Surgical Solutions for Fecal Incontinence	Satish Rao
08:25 A.M. - 08:50 A.M.	Managing the diverse symptoms of IBS patients	Magnus Simren
08:50 A.M. - 09:15 A.M.	Novel pharmacologic treatment for constipation	Atsushi Nakajima
09:15 A.M. - 09:40 A.M.	Role of anorectal manometry in management of constipation	Adil Bharucha
10:05 A.M. - 10:30 A.M.	Mind matters: Psychological management for DGBI	Lin Chang
10:30 A.M. - 10:55 A.M.	Endoscopic Breakthroughs in GI Motility Disorders	Ping-Hong Zhou
10:55 A.M. - 11:20 A.M.	Gut microbiota manipulation in DGBI	Niall Hyland



November 6th, 2024

Opening Ceremony & Plenary Session

“Bridging Science to Solutions:
Decoding food-microbiota-DGBI interplay”

Room 208 - 210
01:00 P.M. - 04:00 P.M.

Immune dysregulation in IBS	Guy Boecxstaens
Food and gut-brain axis	Linda Nguyen
Gut microbiota in IBS in different parts of the world	Max Schmulson
GERD overlapping with DGBI: Good or Bad?	Sutep Gonlachanvit

Plenary Symposium: Dyspepsia

Hiroto Miwa Lin Chang

Room 208 - 209
04:30 P.M. - 06:00 P.M.

The inflammatory puzzle in functional dyspepsia	Hiroto Miwa
Overlapping functional dyspepsia and DGBI: A tactical approach	Jan Tack
New paths for functional dyspepsia management	William D. Chey

November 6th, 2024

Sponsored symposium

(by Reckitt Benckiser)

Ways to trim down PPI treatment for GERD?

Room 208 - 209
06:00 P.M. - 07:15 P.M.

The journey of NERD and mild reflux esophagitis:
signs of over PPI use

William D. Chey

NERD and mild reflux esophagitis management guide:
Non-systemic meds and alginate's role

Jan Tack

Discovering a balanced approach:
Tactics to reduce PPI dependency in managing GERD

Sutep
Gonlachanvit

Welcome Reception

Room 210 - 211
07:30 P.M. - 08:30 P.M.

We cordially invite all attendees to join us.
Please bring your welcome reception ticket for entry.



November 7th, 2024

Room 208

08:00 A.M. - 09:40 A.M.

(B1) LEAKY GUT IN DGBI

- The basic scientist view
- Novel methodologies for measurement of intestinal permeability
- Intestinal barrier dysfunction and functional dyspepsia
- OP005: Early gut barrier alterations in the A53T transgenic mouse model of Parkinson's disease

- OP049: Inter-relationship between different pathological mechanisms in functional dyspepsia: Insights from systematic clustering and correlation analysis

Andrew Chua
Madhusudan Grover

Nathalie Vergnolle
Madhusudan Grover

Tadayuki Oshima

Myat Noe Han
University of Melbourne, Australia

Zhanye Zhang
The First Affiliated Hospital of
Sun Yat-sen University,
People's Republic of China

10:00 A.M. - 11:40 A.M.

(B2) THE ENS AT OPPOSITE ENDS OF THE AGING SPECTRUM

- The early life period
- Postnatal ENS maturation and regulation
- Linking ENS maturation and aging through a newly identified developmental lineage of enteric neurons
- OP003: Gut amyloid- β impairs enteric nervous system and causes gastro-intestinal dysfunctions in Alzheimer's disease model

- OP009: RSP01-LGR receptor signaling – a fork stuck in the road to enteric neurogenesis

- OP011: Correlating cellular distribution with neuromuscular function in Hirschsprung disease

Faranak Fattahi
Subhash Kulkarni

Julia Ganz
Robert O Heuckeroth
Subhash Kulkarni

Brossaud Rodrigue
University of Nantes, France

Melanie Scharr
University of Tübingen, Germany

Narges Sadat Mahdavian
Monash Institute of Pharmaceutical
Sciences, Australia

November 7th, 2024

Room 208

01:00 P.M. - 02:40 P.M.

(B3) ROLE OF GLIAL CELLS IN GUT FUNCTIONS

- Barrier functions
- Glia as modulators of gut motility and sensory functions
- Glia and gut microbes

- OP013: C1qa Muscularis Macrophages regulate synaptic dynamics

- OP054: Myenteric ganglia contain a highly neurogenic population of enteric glial cells: Utility for regenerative therapies

- OP055: Harnessing the neurogenic potential of enteric glia for the treatment of Hirschsprung disease

Luisa Seguella
Marlene M. Hao

Meenakshi Rao

Brian Gulbransen

Luisa Seguella

Mario D'Ambrosio

Mayo Clinic Rochester, USA and
University of Florence, Italy

Rhian Stavelly

Massachusetts General Hospital
/Harvard Medical School, USA

Lincon Stamp

University of Melbourne,
Australia

03:00 P.M. - 04:40 P.M.

(B4) NEUROIMMUNE

- Neuroimmune signaling along the gut-brain axis
- Modification of ENS function by microbes
- Immune calibration of neuron homeostasis
- OP010: Neuronal pannexin-1 regulates immune and intestinal functions

- OP018: Optogenetic activation of cholinergic signaling in the gut promotes recovery from experimental colitis by neuroimmune modulation

- OP019: Microbial reactivation of host androgens regulates enteric nervous system function

Dervla O'Malley

Xiao Yinglian

Dervla O'Malley

Yuuki Obata

Colin Reardon

Jacques Gonzales

Michigan State University, USA

Ahmed Ayedur Rahman

Harvard Medical School, USA

Meenakshi Rao

Boston Children's Hospital and
Harvard Medical School, USA

November 7th, 2024

Room 208

04:40 P.M. - 05:40 P.M.

(B5) ENS PLASTICITY

Gianluca Cipriani

Tadayuki Oshima

- Organization and maintenance of the ENS
by macrophages
- Replacing the ENS through neurogenesis
- Environmental factors
modulating enteric neurons and glia

Gianluca Cipriani

Subhash Kulkarni

Robert O Heuckeroth



November 7th, 2024

Room 209

08:00 A.M. - 09:40 A.M.

(T1) ROLE OF GUT MICROBIOTA IN GI DISORDERS

- GERD, functional dyspepsia and celiac disease
- Impact of the microbiome on gut physiology
- Gut non-bacterial microbiota: Emerging link to IBS

Ari Syam
Niall P. Hyland

Govind Makharia
Niall P. Hyland
Hou Xiao Hua

- OP041: Multiomics reveal microbial and metabolic features mediating the treatment efficacy of *Saccharomyces boulardii* in diarrhea-predominant irritable bowel syndrome:

Lei Zhang

Huazhong University of Science
and Technology, People's
Republic of China

a prospective multicenter study

- OP047: The microbial metabolite indole-3-acetate is increased in functional dyspepsia and associated with psychological comorbidities

Matthias Ceulemans
KU Leuven, Belgium

10:00 A.M. - 11:40 A.M.

(T2) GUT-BRAIN INTERACTION

- A gut-brain pathway to modulate behavior
- How macrophages shape and maintain the enteric nervous system
- Autonomic regulation of gut function
- OP004: Stress-activated brain-gut circuits disrupt intestinal barrier integrity and social behavior

Elyanne M. Ratcliffe
Xiukai Fang

Maya Kaelberer
Guy Boeckxstaens

Elyanne Ratcliffe
Kenny Chan

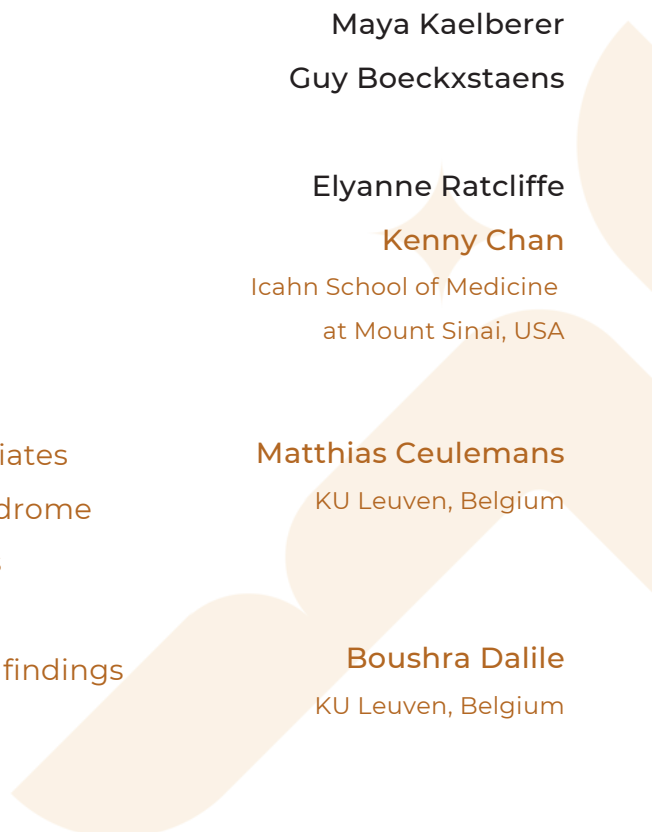
Icahn School of Medicine
at Mount Sinai, USA

- OP046: Symptomatology but not physiology differentiates between functional dyspepsia and irritable bowel syndrome with or without overlapping gastrointestinal disorders

Matthias Ceulemans
KU Leuven, Belgium

- OP053: Gut-(metabolite)-mediated fears? Preliminary findings from a cross-sectional analysis

Boushra Dalile
KU Leuven, Belgium



November 7th, 2024

Room 209

01:00 P.M. - 02:40 P.M.

(T3) EMERGING TECHNOLOGY IN NEUROGASTROENTEROLOGY

Hans Gregersen
Joon Seong Lee

- Bionic devices in Neurogastroenterology and motility
- MRI
- Intestinal gas measurement system
- OP014: Comparative evaluation of Atmo Gas Capsule System and SmartPill GI Monitoring System for transit time assessment in motility disorders
- OP015: Correlation between gastric peristalsis and upper abdominal symptoms using CINE MRI
- OP037: Real world multiday testing reveals variations in day-to-day gastric activity among patients with gastroparesis symptoms

Hans Gregersen
Esben Bolvig Mark
Chu K. Yao
William D. Chey
University of Michigan, USA

Tsutomu Takeda
Juntendo University School of
Medicine, Japan

Brian E. Lacy
Mayo Clinic, USA

03:00 P.M. - 04:40 P.M.

(T4) OBESITY, SATIETY REGULATION AND GUT HORMONE

Shanthi Srinivasan
Victoria Tan

- Obesity and vagal afferent satiety signalling from the gut
- Diet –microbiome-ENS interaction
- Gut hormones in obesity and implications for the treatment
- OP001: Laterality in vagal sensory coding of intestinal content
- OP002: Western style diet-driven vagal sensory neurons and gut-brain signaling remodelling promotes obesity
- OP020: Maintained visceral and total body fat loss following 2 weeks of exclusive orally-ingested isocaloric palatable elemental diet

Amanda Page
Shanthi Srinivasan
Patchaya Boonchaya-Anant
Alan de Araujo
Monell Chemical Senses Center
and University of Pennsylvania, USA

Arashdeep Singh
University of Pennsylvania, USA

Nicha Wongjarupong
Cedars-Sinai Medical Center and
University of Minnesota, USA

November 7th, 2024

Room 209

04:40 P.M. - 05:40 P.M.

(T5) GASTROPARESIS

Kewin Siah

Madhusudan Grover

- Single cell profiling in gastroparesis
- Updates in epidemiology
- Treatment updates

Madhusudan Grover

Kewin Siah

William L. Hasler



November 7th, 2024

Room 210

08:00 A.M. - 09:40 A.M.

(C1) LESSONS LEARNED FROM CHICAGO CLASSIFICATION V 4.0

Max Schumulson
Lee Yeong Yeh

- Applying the right protocol in each patient
- EGJ-OO: A real motility disorder?
- What's changed in Chicago Classification v4.0
- OP028: Prospective controlled study of endoscopic Botox injection for retrograde cricopharyngeus dysfunction (inability to belch syndrome)
- OP029: Effectiveness and long-term durability of Cricopharyngeal Peroral Endoscopic Myotomy (C-POEM) for treating dysphagia with upper oesophageal sphincter dysfunction: A mixed aetiology study
- OP056: Enhancing diagnostic yield of esophageal manometry using distension contraction plots of peristalsis & artificial intelligence

Prakash Gyawali
Lee Yeong Yeh
John Pandolfino
Santosh Sanagapalli
St. Vincent's Hospital Sydney,
Australia

Michal Szczesniak
St George Hospital and University
of New South Wales, Australia

Ravinder K. Mittal
University of California, USA

10:00 A.M. - 11:40 A.M.

(C2) WHAT'S NEW IN GERD?

Kwang Jae Lee
Michael F. Vaezi

- Is refractory heartburn still GERD?
- Diagnostic modalities for GERD
- Laryngopharyngeal reflux
- OP030: Dietary and lifestyle factors associated with troublesome gastroesophageal reflux symptoms in Vietnamese adults
- OP032: Efficacy of combining wedge pillow use with single-dose proton pump inhibitor (PPI) vs. twice-daily PPI in treating nocturnal gastroesophageal reflux disease (GERD) symptoms: a randomized controlled trial

Ronnie Fass
Michael F. Vaezi
Walter W Chan
Uyen Pham-Phuong Vo
University of Medicine and Pharmacy
at Ho Chi Minh City and Nhan Dan
Gia Dinh Hospital, Vietnam

Kanya Hirunrattanaporn
Chulalongkorn University
and King Chulalongkorn
Memorial Hospital, Thailand

November 7th, 2024

Room 210

10:00 A.M. - 11:40 A.M.

(C2) WHAT'S NEW IN GERD?

Kwang Jae Lee
Michael F. Vaezi

- OP035: Overlapping reflux symptoms in functional dyspepsia are mostly unrelated to gastroesophageal reflux

Songfeng Chen
The First Affiliated Hospital
of Sun Yat-sen University,
People's Republic of China

01:00 P.M. - 02:40 P.M.

(C3) PROGRESSING TO ROME V

Jan Tack
Magnus Simren

- The Rome Foundation: Activities and achievements in 2024
- Bloating vs. Distension: New understanding through the Rome Foundation Research Institute
- Rome Foundation and International Motility Societies Consensus on Gastroparesis
- OP033: Occasional constipation: prevalence and impact in the rome foundation global epidemiology study (RFGES)
- OP034: Psychological distress does not explain the association between some disorders of gut brain interaction and eating disorders among primary care patients

Jan Tack
Magnus Simren

Jan Tack

Annelies Verheyden
KU Leuven, Belgium

Nicholas Talley
University of Newcastle, Australia



November 7th, 2024

Room 210

03:00 P.M. - 04:40 P.M.

(C4) IBS

Giovanni Barbara

Shin Fukudo

- Pathophysiology
- Diagnosis and management
- Post-infectious IBS
- OP021: Brain activity during public speaking situations in virtual reality in irritable bowel syndrome and functional dyspepsia patients
- OP022: Efficacy of App-delivered gut-directed hypnotherapy for IBS: A controlled trial of the Nerva program
- OP026: The feasibility and effectiveness of a Chatbot-assisted dietary advice in Fermentable Oligosaccharides, Disaccharides, Monosaccharides, and Polyols (FODMAPs) restriction phase

Shin Fukudo

Magnus Simren

Giovanni Barbara

Ryo Katsumata

Kawasaki Medical School, Japan

Simone Peters

Monash University, Australia

Pochara Somvanapanich

Chulalongkorn University and

King Chulalongkorn Memorial

Hospital, Thailand

04:40 P.M. - 05:40 P.M.

(C5) WHAT'S NEW IN FUNCTIONAL ESOPHAGEAL DISORDER AND OROPHARYNGEAL FUNCTION?

Kwang Jae Lee

Philip Woodland

- Are we able to distinguish functional heartburn from GERD?
- Functional esophageal disorders
- Oropharyngeal dysphagia/UES function

Justin Wu

Philip Woodland

Taher I. Omari

November 8th, 2024

Room 208

08:00 A.M. - 09:40 A.M.

(B6) GUT SENSING

- Gut mechanoreceptors and visceral pain
- Mechanosensory control of GI transit
- Novel intrinsic sensory neurons of the ENS
- OP017: Intestinal pain signalling drives ion and water secretion in the gut mucosa through the release of neuropeptides

- OP065: Nutrient and paracrine activation of human enterochromaffin cells

Catia Sternini

Hongzhen Hu

Hongzhen Hu

Arthur Beyder

David R. Linden

Javier Aguilera-Lizarraga

University of Cambridge,

United Kingdom

Constanza Alcaino

University of Cambridge,

United Kingdom

10:00 A.M. - 11:40 A.M.

(B7) ABDOMINAL PAIN FROM BENCH TO BEDSIDE

- Role of bacterial and host lipids in visceral hypersensitivity
- Genetic factors of importance for visceral pain
- Endophenotypes in visceral pain
- OP050: The anticipation of bodily threat influences perception of esophageal stimulations: an experimental evaluation of esophageal hypervigilance

- OP064: Validation of pain-reduction effect of a rationally-designed live bacterial consortium for treatment of IBS, based on microbiome functional genomics analysis

Gwee Kok Ann

Daniel Keszthelyi

Nicolas Cenac

Mauro D'Amato

Qasim Aziz

Livia Guadagnoli

KU Leuven, Belgium

Yehuda Ringel

Tel Aviv University, Israel



November 8th, 2024

Room 208

01:00 P.M. - 02:40 P.M.

(B8) NEW TECHNOLOGIES TO INVESTIGATE ENS FUNCTION

Elly Sau-Wai Ngan

Purna Kashyap

- The enteric nervous system of the human and mouse colon at a single-cell resolution
- Building a functional gut from iPSC
- Integrating multiomics level data to predict gut functions
- OP008: Intraluminal fructose oligosaccharide activates colonic myenteric neurons via the calcium sensing receptor
- OP012: Exploring enteric nervous system morphology with centimeter-scale sampling by 3D microscopy in mouse and human gastrointestinal tract
- OP066: Sex-specific contribution of mitochondrial dysfunction in interstitial cells of Cajal (ICC) to diabetic gastroparesis

Elly Sau-Wai Ngan

Faranak Fatahi

Purna Kashyap

Preedajit Wongkrasant

University of Calgary, Canada

Arielle Planchette

Wyss Center for Bio and Neuroengineering, Switzerland

Tamas Ordog

Mayo Clinic College of Medicine and Science, USA

03:00 P.M. - 04:40 P.M.

(B9) STUDY OF BRAIN-GUT INTERACTION BY IMAGING AND NOVEL TECHNIQUES

Lukas Van Oudenhove

Xiucui Fang

- Brain imaging
- Imaging functional connectivity in the gut-brain axis
- Modeling gut-brain interactions using organoids and microfluidics devices
- OP006: Intestinal epithelial serotonin modulates emotional behavior
- OP051: Neuroinflammation in irritable bowel syndrome: a [18F]DPA-714 PET study
- OP052: Resting-state functional connectivity in emotional-arousal, salience, executive and autonomic brain networks discriminates functional dyspepsia patients from healthy controls

Lukas Van Oudenhove

Kristen Smith-Edwards

Brooke R Druliner

Lin Yung Hung

New York University, USA

Maike Van Den Houte

KU Leuven, Belgium

Nathalie Weltens

KU Leuven, Belgium



November 8th, 2024

Room 208

04:40 P.M. - 05:40 P.M.

(B10) NOVEL NEUROBIOLOGY MECHANISM OF THE GUT

Kee Wook Jung

Pu-Qing Yuan

- Neurogenesis
- IBS and Neuroimmune Interactions
at the Colonic Mucosa
- Neuroimmune axis

Marlene M. Hao

Pu-Qing Yuan

Colin Reardon



November 8th, 2024

Room 209

08:00 A.M. - 09:40 A.M.

(T6) APPETITE REGULATION

Amanda Page

Akihito Nagahara

- Plasticity of gastrointestinal vagal afferent satiety signals and appetite regulation Amanda Page
- CNS regulation of appetite and eating Yu Fu
- Putting it all together: Microbial regulation of behavioral comorbidities in obesity Gerard Clarke
- OP043: Differential neural activity in response to intragastric administration of the non-caloric sweetener erythritol compared to sucrose Aleksandra Budzinska
KU Leuven, Belgium
- OP045: Impact of intragastric quinine on brain responses to the anticipation and receipt of food reward in health Nathalie Weltens
KU Leuven, Belgium

10:00 A.M. - 11:40 A.M.

(T7) CRITICAL REVISION OF THE LITERATURE ON THE ROLE OF MICROBIOTA IN DGBI

Kee Wook Jung

Lin Chang

- Everything to do with microbiota Lin Chang
- Nothing to do with microbiota Robin Spiller
- Can we define a healthy gut microbiome Jeroen Raes
- OP042: Children with irritable bowel syndrome show gut microbial composition similar to healthy controls and distinct from children with acute pancreatitis and Crohn's disease Neha R Santucci
Cincinnati Children's Hospital
Medical Center and University of
Cincinnati College of Medicine,
USA
- OP062: Effect of antimicrobial peptide Reg3γ on IBS-like symptoms following *Citrobacter rodentium* infection Valentine Daugey
Clermont Auvergne University,
France
- OP063: Defects in the crosstalk between microbiota and the intestinal epithelial barrier: a new player involved in digestive disorders in women with chronic pelvic pain Neunlist Michel
Inserm/Nantes university, France

November 8th, 2024

Room 209

01:00 P.M. - 02:40 P.M.

(T8) HYBRID BASIC AND CLINICAL SESSION

Hidekazu Suzuki

Lin Chang

- Visceral pain and sex differences
basic: Catia Sternini,
clinical: Lin Chang
- Novel targets in visceral hypersensitivity
basic: Stuart Brierley,
clinical: Guy Boeckxstaen
- Non-conventional treatment approach for visceral pain
basic: Daniel Keszthelyi,
clinical: G. Nicholas Verne

03:00 P.M. - 04:40 P.M.

(T9) PRECISION MEDICINE IN DGBI

Akihito Nagahara

Brian E Lacy

- Pharmacogenomics
Adil Bharucha
- Physiology based stratification of DGBI
Uday Ghoshal
- Latest on precision medicine in DGBI in 2024
Brian E. Lacy
- OP060: Development of nano-antibodies to reduce visceral hyper-sensitivity in Irritable Bowel Syndrome, Trypsin 3 as a new target.
Nathalie Vergnolle
INSERM, France
- OP044: Metabolomic analysis in achalasia patients after POEM using NMR spectroscopy
Peter Banovcin
Comenius University in Bratislava,
Slovak Republik

04:40 P.M. - 05:40 P.M.

(T10) NOVEL THERAPEUTIC TARGETS IN NEUROGASTROENTEROLOGY AND MOTILITY

Hyojin Park

Nicolas Pilon

- Stimulating peripheral neural pathways to alleviate GI dysfunction
Ugo Grossi
- Replacing lost neurons
Nicolas Pilon
- Stress as a modulator of gut neural signaling
Muriel Larauche

November 8th, 2024

Room 210

08:00 A.M. - 09:40 A.M.

Satish Rao

(C6) WHAT'S NEW IN CONSTIPATION?

Tanisa Patcharatrakul

- From pathophysiology to treatment
- Role of surgery
- Colonic and anorectal motility disorders
- OP023: Efficacy of Bifidobacterium bifidum G9-1 for quality of life in patients with chronic constipation: a multicenter, double-blind, randomized controlled trial
- OP024: Evaluating colonic stool of constipation using abdominal ultrasonography
- OP027: Multi-modal deep learning for predicting dyssynergic defecation (DD) using abdominal X-rays and symptom questionnaires

Maura Corsetti

Ugo Grossi

Satish Rao

Noboru Misawa

Yokohama City University School
of Medicine, Japan

Momoko Tsuda

Sapporo Cancer Screening
Center, Japan

Pakkapon Rattanachaisit

Chulalongkorn University,
Thailand

10:00 A.M. - 11:40 A.M.

(C7) DIET: JUST A TRIGGER OR POTENTIAL CAUSE OF SYMPTOMS IN DGBI

Sutep Gonlachanvit

William D. Chey

- The basic scientist view
- The clinician view
- Diet and the microbiota-gut-brain axis
- OP031: Efficacy of Structural Individual Low FODMAPs Dietary Advice (SILFD) for gastroesophageal reflux disease (GERD): A randomized trial
- OP058: Involvement of eosinophil-driven intestinal immune activation in the response to the DOMINO diet and in different IBS subtypes
- OP059: Observation of local, food-induced changes of the duodenal mucosa in functional dyspepsia cannot be translated in permeability alterations or changes in mast cell activation ex vivo

Premysl Bercik

William D. Chey

Gerard Clarke

Kandechpong Sritunyarat

Chulalongkorn University and
King Chulalongkorn Memorial
Hospital, Thailand

Karen Van den Houte

KU Leuven, Belgium

Cedric Van de Bruaene

KU Leuven, Belgium

November 8th, 2024

Room 210

01:00 P.M. - 02:40 P.M.

(C8) WHEN PEDIATRIC AND ADULT GASTROENTEROLOGISTS MEET

Miguel Saps
Prakash Gyawali

- GERD
- Constipation
- Chronic abdominal pain

Nikhil Thapar
Danial Sifrim
Shaman Rajindrajith
Adil Bharucha
Robert Shulman
Linda Nguyen

03:00 P.M. - 04:40 P.M.

(C9) ALTERNATIVE/HERBAL MEDICINE IN DGBI

Ching-Liang Lu
Elyse Thakur

- The East view
- The West view
- Electroacupuncture stimulation
- OP025: The efficacy and safety of compound glutamine entersoluble capsule in the treatment of diarrhea predominant irritable bowel syndrome: a multicenter randomized, double blinded, placebo-controlled withdrawal trial
- OP061: Exploring the potential targets of Shuganjiayu capsules on functional dyspepsia through network pharmacology combined with proteomics, molecular docking and in vivo validation
- OP040: Gastrointestinal responses to opium tincture in healthy volunteers: A magnetic resonance imaging study

Ching-Liang Lu
Gerald Holtmann
Hou Xiaohua
Tao Bai
Huazhong University of Science and Technology and The People's Hospital of Chizhou, People's Republic of China

Zhanye Zhang
First Affiliated Hospital of Sun Yat-sen University, People's Republic of China

Esben Bolvig Mark
Aalborg University Hospital and Aalborg University, Denmark

November 8th, 2024

Room 210

04:40 P.M. - 05:40 P.M.

(C10) CONSENSUS AND CLASSIFICATIONS

Chien-Lin Chen

Linda Nguyen

- The Lyon consensus 2.0
- International consensus on idiopathic gastroparesis
- The London classification

Prakash Gyawali

Linda Nguyen

Reuben K. Wong



**FNM Special sessions
and FNM associate events**



The 1st APPSPGHAN Masterclass (in Collaboration with TSPGH) in Pediatric Disorders of Neurogastroenterology, Motility and Gut-Brain Interaction

November 6th, 2024

Welcome and Introduction

- 08.00 - 08.10** Voranush Chongsrisawat (President of TSPGH)
08.10 - 08.20 Nikhil Thapar (Chair APPSPGHAN DNMG sub-committee)
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Chairs: Professor Boosba Vivatvakin Professor Nikhil Thapar

- 08.20-08.40** Introduction to Disorders of GI Motility
Nikhil Thapar, Brisbane, Australia
- 08.40-09.00** Introduction to Disorders of Gut Brain Interaction
Shaman Rajindrajith, Colombo, Sri Lanka
- 09.00-09.20** Partner Invited Speaker: Basic Principle of High-Resolution Manometry (HRM)
Moderator: Atchariya Chanpong, Songkhla, Thailand
Speaker: Jan-Willem Van Der Wal, Amsterdam, Netherlands
- 09.20-09.40** Investigating Motility Disorders (Esophagus, pH-impedance, Stomach)
Anshu Srivastava, Lucknow, India
- 09.40-10.00** Investigating Motility Disorders (Small, Large Intestine and Anorectum)
Samuel Nurko, Boston, USA
- 10.00-10.20** Esophageal Achalasia, Atresia and EoE
Zeyad Mohannad Abdulkader, Doha, Qatar

- 10.20-10.40** Gastroesophageal Reflux
Mohamed Mutalib, London, UK
- 10.40-11.00** Cyclic Vomiting Syndrome
Zeyad Mohannad Abdulkader, Doha, Qatar
- 11.00-11.20** Approaching the Child with Abdominal Pain
Miguel Saps, Miami, USA
- 11.20-11.40** Functional Constipation
Badriul Hegar, Jakarta, Indonesia
- 11.40-12.00** Partner Invited Speaker: Impact of *Helicobacter pylori* on DGBIs
Moderator: Voranush Chongsrisawat, Bangkok, Thailand
Speaker: Rapat Pittayanon, Bangkok, Thailand
- 12.00-12.30** Interactive Q&A Session with Panel, Summary and Close
Voranush Chongsrisawat (President of TSPGH)
Nikhil Thapar (Chair APPSPGHAN DNMG sub-committee)

Pediatric sessions

Room 211

November 7th, 2024

08:00 A.M. - 09:00 A.M.

Pediatric Session 1:

Key challenges in Pediatric Disorders of Gut Brain Interaction

Nikhil Thapar

Samuel Nurko

Management of IBS and FAP-NOS in children:
The 2024 guidelines

Miguel Saps

Rumination and belching
in young children and adolescents

Shaman Rajindrajith

Microbiome, Microbiota, Metabolites, Meals:
Where are we with DGBIs?

Robert Shulman

Pediatric sessions

Room 211

November 8th, 2024

08:00 A.M. - 09:40 A.M.

Pediatric Session 2:

Complex Dysmotility

Anshu Srivastava

Miguel Saps

Pediatric Intestinal Pseudo-obstruction

Nikhil Thapar

Slow Transit Constipation in children: diagnosis and management

Samuel Nurko

Severe Oesophageal Motility Disorders

Mohamed Mutalib

OP016: Pan-colonic dysmotility in children after surgical correction of Hirschsprung disease

Hannah Evans Barns
The Royal Children's Hospital and Murdoch Children's Research Institute, Australia

OP039: Genetic and manometric findings in pediatric intestinal pseudo-obstruction: A single center experience

Sharon Wolfson
Children's Hospital of Philadelphia, USA

Pediatric sessions

Room 211

November 8th, 2024

10:00 A.M. - 11:40 A.M.

Pediatric Session 3:

Investigating GI dysmotility in Children: cutting edge

Shaman Rajindrajith

Zeyad Mohannad Abdulkader

Esophagus and Stomach

Anshu Srivastava

Small intestine

Atchariya Chanpong

Large intestine and Anorectum

Samuel Nurko

OP007: Utility of monitoring Fasting Phase during
Pediatric Colonic Manometry Studies

Lev Dorfman
Cincinnati Children's
Hospital Medical Center,
USA

OP038: C-Spirulina gastric emptying breath test
(C-GEBT) normative values in healthy children are
impacted by sex and puberty – A multicenter study

Robert J Shulman
Baylor College of Medicine,
USA

Integrating Traditions and Innovations: Middle East Neurogastroenterology & Motility Club at FNM

Room 211

November 7th, 2024

10:00 A.M. - 11:50 A.M.

Sutep Gonlachanvit

Ehab Abufarhaneh

Future of Neurogastroenterology and Motility Disorders
in the Middle East!

Ehab Abufarhaneh

Unveiling Saudi Arabia's Unique GERD Clinical Pathway:
What Sets It Apart?

Mohammed Alzahrani

Insights into Functional Dyspepsia:
Spotlight on the Middle East!

Mohammad Alrukaibi

Per Oral Endoscopic Myotomy:
Transforming Achalasia Management in the Middle East

Shaimaa Elkholy

Navigating Anorectal Disorders:
Overcoming Cultural Barriers!

Fady Daniel

Traditional, Complementary, Integrative Medicine (TCIM) in DGBIs:

Exploring Integrative Approaches and Celebrating
the Inaugural ANMA-TCIM Special Interest Group

Room 211

November 7th, 2024

01:00 P.M. - 02:40 P.M.

Kewin Siah

01:00 P.M. - 01:05 P.M.

Opening Ceremony

Xiaohua Hou

01:05 P.M. - 01:25 P.M.

Pharmacological TCIM in
the 2nd Asian Consensus on Functional Dyspepsia

Hidekazu Suzuki

01:25 P.M. - 01:45 P.M.

Mind-Body Interventions for DGBIs

Elyse Thakur

01:45 P.M. - 02:05 P.M.

Acupuncture and Tuina for DGBIs

Lidan Zhong

02:05 P.M. - 02:40 P.M.

Inaugural ANMA-TCIM Special Interest Group

Hidekazu Suzuki
Tang Xudong
Elyse Thakur
Xiaohua Hou

ASIAN Focus Sessions

Room 211

November 7th, 2024

03:00 P.M. - 04:40 P.M.

Asian Food and DGBI

**Xiaohua Hou
Hyojin Park**

Asian spices and DGBI
Rice and low FODMAPs
Roles of pre/probiotics
Effect of food on celiac disease expression

Ching-Liang Lu
Sutep Gonlachanvit
Liping Duan
Govind Makharria

04:40 P.M. - 05:40 P.M.

Asian Focus on DGBI

**Hidekazu Suzuki
Ari Fahrial Syam**

Epidemiology of DGBI in Asia
Asian studies on pathophysiology of DGBI
Guidelines management of functional dyspepsia

Uday Ghoshal
Hiroto Miwa
Sanjiv Mahadeva

