

November 6th, 2024

**Opening Ceremony
&
Plenary Session**

**“Bridging Science to Solutions: Decoding food-microbiota-DGBI interplay”
room 208-211 (13.00-16.00)**

- 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
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Plenary Symposium

room 208-209 (16.30-18.00)

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

(by Reckitt Benckiser)

**Ways to trim down PPI treatment for GERD?
Room 208 (18.00 - 19.15)**

- 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

**foyer
(19.30-20.30)**

November 7th, 2024

room 208

8.00-9.30

LEAKY GUT IN DGBI

- The basic scientist view
- Novel methodologies for measurement of intestinal permeability
- Intestinal barrier dysfunction and functional dyspepsia
- free papers presentation

Andrew Chua
Madhusudan Grover

Nathalie Vergnolle

Madhusudan Grover

Tadayuki Oshima

10.00-11.30

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
- free papers presentation

Faranak Fattahi
Subhash Kulkarni

Julia Ganz

Robert O Heuckeroth

Subhash Kulkarni

13.00-14.30

ROLE OF GLIAL CELLS IN GUT FUNCTIONS

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

Luisa Seguella
Marlene M. Hao

Meenakshi Rao

Brian Gulbransen

Luisa Seguella

15.00-16.30

NEUROIMMUNE

- Neuroimmune signaling along the gut-brain axis
- Modification of ENS function by microbes
- Immune calibration of neuron homeostasis
- free papers presentation

Dervla O'Malley
Uday Ghoshal

Dervla O'Malley

Yuuki Obata

Colin Reardon

16.30-17.30

ENS PLASTICITY

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

Gianluca Cipriani
Tadayuki Oshima

Gianluca Cipriani

Subhash Kulkarni

Robert O Heuckeroth

November 7th, 2024

room 209

8.00-9.30

ROLE OF GUT MICROBIOTA IN GI DISORDERS

Ari Syam
Niall P. Hyland

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

Govind Makharia
Niall P. Hyland
Hou Xiao Hua

10.00-11.30

GUT-BRAIN INTERACTION

Elyanne M. Ratcliffe
Xiucai Fang

- A gut-brain pathway to modulate behavior
- Efferent sensory control of the gut
- Autonomic regulation of gut function
- free papers presentation

Maya Kaelberer
Jean-Pierre Timmermans
Elyanne Ratcliffe

13.00-14.30

EMERGING TECHNOLOGY IN NEUROGASTROENTEROLOGY

Hans Gregersen
Joon Seong Lee

- Bionic devices in Neurogastroenterology and motility
- MRI
- Intestinal gas measurement system
- free papers presentation

Hans Gregersen
Esben Bolvig Mark
Chu K. Yao

15.00-16.30

OBESITY, SATIETY REGULATION AND GUT HORMONE

Shanthi Srinivasan
Victoria Tan

- Vagal mechanisms underlying feeding behavior
- Diet –microbiome-ENS interaction
- Gut hormones in obesity and implications for the treatment
- free papers presentation

Amanda Page
Shanthi Srinivasan
Patchaya Boonchaya-
Anant

16.30-17.30

GASTROPARESIS

Kewin Siah
Madhusudan Grover

- Single cell profiling in gastroparesis
- Updates in epidemiology
- Treatment updates
- free papers presentation

Madhusudan Grover
Kewin Siah
TBC

November 7th, 2024

room 210

8.00-9.30

LESSONS LEARNED FROM CHICAGO CLASSIFICATION V 4.0

Albis Hani
Lee Yeong Yeh

- Applying the right protocol in each patient
- EGJ-OO: A real motility disorder?
- What's changed in Chicago Classification v4.0
- free papers presentation

Prakash Gyawali
Lee Yeong Yeh
John Pandolfino

10.00-11.30

WHAT'S NEW IN GERD?

Kwang Jae Lee
Michael F. Vaezi

- Is refractory heartburn still GERD?
- Diagnostic modalities for GERD
- Laryngopharyngeal reflux
- free papers presentation

Ronnie Fass
Michael F. Vaezi
Walter W Chan

13.00-14.30

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

Jan Tack

Magnus Simren

Jan Tack

15.00-16.30

IBS

Giovanni Barbara
Shin Fukudo

- Pathophysiology
- Diagnosis and management
- Post-infectious IBS
- free papers presentation

Shin Fukudo
Julian R. F. Walters
Giovanni Barbara

16.30-17.30

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
- free papers presentation

Justin Wu

Philip Woodland
Taher I. Omari

November 8th, 2024

room 208

8.00-9.30

GUT SENSING

Catia Sternini
Hongzhen Hu

- Gut mechanoreceptors and visceral pain
- Mechanosensory control of GI transit
- Novel intrinsic sensory neurons of the ENS
- free papers presentation

Hongzhen Hu

Arthur Beyder

David R. Linden

10.00-11.30

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
- free papers presentation

Premysl Bercik

William D. Chey

Gerard Clarke

13.00-14.30

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
- free papers presentation

Elly Sau-Wai Ngan

Faranak Fatahi

Purna Kashyap

15.00-16.30

STUDY OF BRAIN-GUT INTERACTION BY IMAGING AND NOVEL TECHNIQUES

Lukas Van Oudenhove
Xiucai Fang

- Brain imaging
- Imaging of ICC
- Modeling gut-brain interactions using organoids and microfluidics devices
- free papers presentation

Lukas Van Oudenhove

Kristen Smith-Edwards

Brooke R Druliner

16.30-17.30

NOVEL NEUROBIOLOGY MECHANISM OF THE GUT

Kee Wook Jung
Yvette Taché

- Neurogenesis
- Molecular heterogeneity of neurons
- Neuroimmune axis
- free papers presentation

Marlene M. Hao

Yvette Taché

Colin Reardon

November 8th, 2024

room 209

8.00-9.30

APPETITE REGULATION

Amanda Page
Xiao Yinglian

- Gastrointestinal regulation of appetite
- CNS regulation of appetite and eating
- Putting it all together: Microbial regulation of behavioral comorbidities in obesity

Amanda Page
Yu Fu
Gerard Clarke

- free papers presentation

10.00-11.30

CRITICAL REVISION OF THE LITERATURE ON THE ROLE OF MICROBIOTA IN DGBI

Kee Wook Jung
Lin Chang

- Everything to do with microbiota
- Nothing to do with microbiota
- Can we define a healthy gut microbiome

Lin Chang
Robin Spiller
Jeroen Raes

- free papers presentation

13.00-14.30

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 Brierly, clinical: Guy Boeckxstaen

- Non-conventional treatment approach for visceral pain

basic: Daniel Keszthelyi, clinical: G. Nicholas Verne

15.00-16.30

PRECISION MEDICINE IN DGBI

Akihito Nagahara
Brian E Lacy

- Pharmacogenomics
- Physiology based stratification of DGBI
- Latest on precision medicine in DGBI in 2024

Adil Bharucha
Uday Ghoshal
Brian E. Lacy

- free papers presentation

16.30-17.30

NOVEL THERAPEUTIC TARGETS IN NEUROGASTROENTEROLOGY AND MOTILITY

Hyojin Park
Nicolas Pilon

- Stimulating peripheral neural pathways to alleviate GI dysfunction
- Replacing lost neurons
- Stress as a modulator of gut neural signaling

Ugo Grossi
Nicolas Pilon
Muriel Larauche

- free papers presentation

November 8th, 2024

room 210

8.00-9.30

WHAT'S NEW IN CONSTIPATION?

Satish Rao
Tanisa Patcharatrakul

- From pathophysiology to treatment
- Role of surgery
- Colonic and anorectal motility disorders
- free papers presentation

Maura Corsetti
Ugo Grossi
Satish Rao

10.00-11.30

ABDOMINAL PAIN FROM BENCH TO BEDSIDE

Gwee Kok Ann
Qasim Aziz

- Role of bacterial and host lipids in visceral hypersensitivity
- Genetic factors of importance for visceral pain
- Endophenotypes in visceral pain
- free papers presentation

Nicolas Cenac

Mauro D'Amato
Qasim Aziz

13.00-14.30

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

15.00-16.30

ALTERNATIVE/HERBAL MEDICINE IN DGBI

Ching-Liang Lu
Elyse Thakur

- The East view
- The West view
- Electroacupuncture stimulation
- free papers presentation

Ching-Liang Lu
Gerald Holtmann
Hou Xiaohua

16.30-17.30

CONSENSUS AND CLASSIFICATIONS

Chien-Lin Chen
Linda Nguyen

- The Lyon consensus 2.0
- International consensus on idiopathic gastroparesis
- The London classification
- free papers presentation

Prakash Gyawali
Linda Nguyen
Reuben K. Wong