

**November 6<sup>th</sup>, 2024**

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**Opening Ceremony  
&  
Plenary Session**

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

**room 208-211  
(13.00-16.00)**

- Immune dysregulation in IBS
- Food and gut-brain axis
- Gut microbiota in IBS in different parts of the world
- GERD overlapping with DGBl: Good or Bad?

Guy Boecxstaens  
Linda Nguyen  
Max Schmulson  
Sutep Gonlachanvit

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**Plenary Symposium**

**room 208-209  
(16.30-18.00)**

- The inflammatory puzzle in functional dyspepsia
- Overlapping functional dyspepsia and DGBl:  
A tactical approach
- New paths for functional dyspepsia management

Hiroto Miwa  
Jan Tack  
  
William D. Chey

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**WELCOME RECEPTION**

**foyer  
(19.00-20.00)**

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# November 7<sup>th</sup>, 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 7<sup>th</sup>, 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  
Per Hellström

# November 7<sup>th</sup>, 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 8<sup>th</sup>, 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 8<sup>th</sup>, 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 8<sup>th</sup>, 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