Final Programme
Congress Venue
RAI Amsterdam Convention Centre
Europaplein 2 – 22
1078 GZ Amsterdam, The Netherlands

Host Organisation
ESNM – European Society of Neurogastroenterology & Motility
c/o Vienna Medical Academy
Alser Str. 4
1090 Vienna, Austria
Phone: +43 (0)1 405138331
Fax: +43 (0)1 4078274
Email: info@esnm.eu
www.esnm.eu

Congress and Exhibition Office
CPO HANSER SERVICE
Hanser & Co GmbH
Hamburg Office
Zum Ehrenhain 34
22882 Barsbüttel, Germany
Phone: +49 (0)30 3006690
Fax: +49 (0)30 3057391
Email: fnm2018@cpo-hanser.de
www.cpo-hanser.de
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## Get the free FNM 2018 App for your smartphone

- Quickly find your way through the most up-to-date meeting schedule.
- Mark your favourite sessions and personalise your experience.
- Get in touch with other delegates via the networking tool.
- Access vital information around the congress.

*The FNM 2018 App is powered by GLOBIT GmbH in cooperation with esanum GmbH.*
Welcome Address

The European Society of Neurogastroenterology and Motility (ESNM) would like to welcome you to the 3rd Meeting of the Federation of Neurogastroenterology and Motility (FNM) and Postgraduate Course on Gastrointestinal Motility, to be held in Amsterdam, The Netherlands from 29th August to 1st September 2018.

The FNM meeting is held every two years and jointly organised by the ESNM, the American Neurogastroenterology and Motility Society (ANMS), the Asian Neurogastroenterology and Motility Association (ANMA) together with the associate members, Sociedad Latinoamericana de Neurogastroenterología (SLNG) and the Australasian Neurogastroenterology and Motility Association (ANGMA).

This meeting represents a unique opportunity to bring together leading experts and young investigators from all over the globe to discuss cutting-edge research. The scientific committee has produced an exciting and comprehensive programme dealing with basic, translational and clinical aspects of neurogastroenterology, digestive motility and functional gastrointestinal diseases. There will be also emphasis on clinical practice for physicians and health care professionals with an interest in digestive disorders whose diagnosis and treatment require updated knowledge in this rapidly growing area of medicine.

Lifetime Achievement awards and young investigator research prizes will be awarded to scientists for their outstanding contribution to the advancements of neurogastroenterology.

We are looking forward to seeing you in Amsterdam and sharing with you this exciting meeting.

On behalf of FNM

Giovanni Barbara
ESNM
President

Paul Enck
ESNM
Treasurer

André Smout
ESNM Representative for The Netherlands

Arjan Bredenoord
ESNM Representative for The Netherlands
Committees & Organisers

The FNM 2018 Meeting is jointly organised by the Federation of Neurogastroenterology and Motility, formed by ANMS, ANMA, ESNM, ANGMA and SLNG. FNM 2018 is hosted by the European Society of Neurogastroenterology and Motility (ESNM).

Scientific Programme Committee
Chair: André Smout, The Netherlands

ESNM
Arjan Bredenoord, The Netherlands
Roberto de Giorgio, Italy
David Grundy, United Kingdom

ANMS
Lin Chang, USA
Kirsteen Browning, USA
Purna Kashyap, USA

ANMA
Hyo-Jin Park, South Korea
Justin Wu, China
Hiroto Miwa, Japan

ANGMA
Nick Spencer, Australia

SLNG
Albis Hani, Colombia

President
Giovanni Barbara, Italy

Treasurer
Paul Enck, Germany

Local Organising Committee
Marc Benninga, Amsterdam
Arjan Bredenoord, Amsterdam
Cees Clemens, Leiden
José Conchillo, Maastricht
Richelle Felt-Bersma, Amsterdam
David Hirsch, Arnhem
Wouter de Jonge, Amsterdam
Daniel Keszthelyi, Maastricht
Ad Masclee, Maastricht
Marlies Schijven, Amsterdam
René van den Wijngaard, Amsterdam

Young Investigator Awards
Ten awards of 750 Euro each will be awarded to the best presentations (oral or poster) by young investigators (<35 years).

Payments will be made in Euro after the meeting by ESNM. Awards will be delivered during the Get-Together and Closing Ceremony.
The scientific programme is structured according to days, time and room. All presenters are listed by name and the title of their presentation.

Postgraduate Course
The Postgraduate Course will provide an update on the clinical aspects of Neurogastroenterology and Motility. During this full-day course renowned experts will provide practice-oriented comprehensive overviews, covering pathophysiology, diagnosis and treatment of GI motility and functional disorders.

Plenary Sessions
There are three plenary sessions, two at the beginning and one at the end of the meeting. The invited lectures in these sessions last 30 minutes, including discussion. In addition, one or two top-ranked abstracts that fit in the theme of the session will be presented orally. The time allotted for oral presentations is 15 minutes, including questions.

Parallel Sessions
There are three simultaneous, parallel sessions. One of these has a basic science theme, another one a translational theme and the third is a clinical science session. Most parallel sessions last 90 minutes and comprise two invited lectures (30 minutes) and two selected abstract presentations (15 minutes each).

Poster Sessions
Accepted Posters will be exhibited during FNM 2018 and will be grouped into areas of research. The poster exhibition offers an effective forum for the exchange of information and a platform to communicate ideas, research, and programmes.

LBBB Session
During the FNM Meeting 2018 the Little Brain Big Brain (LBBB) group will present a recapitulation of their meeting that precedes the FNM Meeting 2018.

NGM Training Curriculum Session
In this session, the joint ANMS-ESNM project CURRICULUM FOR TRAINING IN NEUROGASTROENTEROLOGY AND MOTILITY will be presented and discussed.

GENIEUR Update Session
In this session, the GENIEUR group (Pan-European interdisciplinary network to identify genetic factors contributing to IBS etiopathogenesis) will provide an update of their work.

Industry sponsored Sessions
The industry sponsored sessions are organised by the industry in consultation with the scientific committee. The programme of the industry sponsored sessions is not affiliated with ESNM.

CME Accreditation
The 3rd Meeting of the Federation of Neurogastroenterology and Motility and Postgraduate Course on Gastrointestinal Motility 2018 in Amsterdam, The Netherlands, 29 August – 1 September 2018 was granted 21 European CME credits (ECMEC) by the European Accreditation Council for Continuing Medical Education (EACCME).

The following European CME credits will be certified:

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A certificate of attendance along with CME credits can be requested online at www.fnm2018.org between 3 September and 31 December 2018.

Please note that attendance and full payment will be audited and an evaluation of the congress will be required in order to receive CME credits.
Scientific Information – Overview

Wednesday, 29 August 2018 – Postgraduate Course

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**Abbreviations**

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Scientific Programme – Overview
Thursday, 30 August 2018

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<th>PL-1 Opening Ceremony One hundred years of peristalsis</th>
<th>PL-2 Advances in achalasia</th>
<th>Coffee Break</th>
<th>Room E106 12:30 – 13:20 ESNM Steering Committee Meeting 13:20 – 14:00 ESNM General Assembly</th>
<th>Coffee Break</th>
<th>PA-1A Epithelial biology in NGM</th>
<th>PA-1B Nausea</th>
<th>PA-1C Pediatric functional GI and motility disorders</th>
<th>Coffee Break</th>
<th>PA-2A Neurodevelopment</th>
<th>PA-2B Mechanisms and treatment of gas and bloating</th>
<th>PA-2C GERD</th>
<th>IS-2 Please see page 50</th>
<th>20:00 Get-Together at “StrandZuid”</th>
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* Europaplein 22, 1078 GZ Amsterdam, directly behind the RAI Amsterdam
Scientific Programme – Overview  
Friday, 31 August 2018

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<th>Time</th>
<th>Room</th>
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<td>Chemosensation and EC cells</td>
<td>Infection, inflammation and FGIDs</td>
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<tr>
<td>14:30</td>
<td>Lounge</td>
<td>Satiety regulation and obesity</td>
<td>Chronic intestinal pseudo-obstruction</td>
<td>Integrated systems approach in IBS</td>
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<tr>
<td>16:30</td>
<td>Lounge</td>
<td>Functional dyspepsia and gastroparesis</td>
<td>Sensory neuroimmune modulation and glial cells</td>
<td>Sex differences in FGIDs</td>
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<td>17:00</td>
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<td>18:00</td>
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<td>18:30</td>
<td>Lounge</td>
<td>GENIEUR update</td>
<td>Late breaking oral session</td>
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**Scientific Programme – Overview**  
**Saturday, 1 September 2018**

<table>
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<tr>
<th>Room</th>
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<tr>
<td></td>
<td>08:00</td>
<td>Visceral pain</td>
<td>Dysphagia and eosinophilic esophagitis</td>
<td>GI complications of neurological disease</td>
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<td>[Coffee Break]</td>
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<tr>
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<td>11:30</td>
<td>Microbiome and gut-brain axis</td>
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<td>Closing Ceremony</td>
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## Scientific Programme by Day

**Wednesday, 29 August 2018**

### PGC-1  POSTGRADUATE COURSE

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 1</th>
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<tbody>
<tr>
<td>08:30–10:10</td>
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</table>

#### Chairs:
- Mark Scott, United Kingdom
- Charles Knowles, United Kingdom

#### 001 Constipated patients: apples and oranges?
- Reuben K. Wong, Singapore

#### 002 Constipation in children
- Marc Benninga, The Netherlands

#### 003 Invasive treatment options for constipation
- Charles Knowles, United Kingdom

#### 004 Approach to the patient with chronic diarrhoea
- Adrian Masclee, The Netherlands

#### 005 Faecal incontinence
- Mark Scott, United Kingdom

### PGC-2  POSTGRADUATE COURSE

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 2</th>
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</thead>
<tbody>
<tr>
<td>10:40–12:20</td>
<td>Forum</td>
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</tbody>
</table>

#### Chairs:
- Shin Fukudo, Japan
- Adrian Masclee, The Netherlands

#### 001 Pseudo-obstruction syndromes
- Vincenzo Stanghellini, Italy

#### 002 Microbiome modulation in FGIDs
- Uday Ghoshal, India

#### 003 Management of IBS
- Magnus Simrén, Sweden

#### 004 Treatment algorithms for functional dyspepsia
- Michael Camilleri, USA

#### 005 Approach to the patient with chronic vomiting
- Jan Tack, Belgium

### PGC-3  POSTGRADUATE COURSE

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 3</th>
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<tbody>
<tr>
<td>13:20–14:40</td>
<td>Forum</td>
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</tbody>
</table>

#### Chairs:
- C. Prakash Gyawali, USA
- Arjan Bredenoord, The Netherlands

#### 001 Invasive treatment options in gastroparesis
- Guillaume Gourcerol, France

#### 002 Motility disorders after gastric surgery
- Guy Boeckxstaens, Belgium

#### 003 How to deal with dysphagia
- André Smout, The Netherlands

#### 004 Treatment of esophageal motor disorders
- Peter Kahrilas, USA

### PGC-4  POSTGRADUATE COURSE

<table>
<thead>
<tr>
<th>Time</th>
<th>Session 4</th>
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<tbody>
<tr>
<td>15:10–16:30</td>
<td>Forum</td>
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</table>

#### Chairs:
- Peter Kahrilas, USA
- José Conchillo, The Netherlands

#### 001 Management of refractory reflux symptoms
- C. Prakash Gyawali, USA

#### 002 Chest pain and extra-esophageal reflux symptoms
- Serhat Bor, Turkey

#### 003 Rumination and belching
- Sabine Roman, France

#### 004 Swallowing disorders
- Nathalie Rommel, Belgium
# Scientific Programme by Day

**Thursday, 30 August 2018**

## PL-1  PLENARY SESSION

**08:30 – 10:30 Forum**

**One hundred years of peristalsis**

Chairs: John Furness, Australia  
Jan Huizinga, Canada

- **001 From Trendelenburg to spatiotemporal maps**  
  Marcello Costa, Australia  
  Invited lecture

- **002 Key mediators of peristalsis: pharmacological implications**  
  Terence Smith, USA  
  Invited lecture

- **003 Relevance of disordered motility in gut diseases**  
  Michael Schemann, Germany  
  Invited lecture

- **004 Self-maintaining gut macrophages are essential for neurogenic secretion and contractility**  
  Sebastiaan de Schepper, Belgium  
  Oral presentation of a submitted abstract

## PL-2  PLENARY SESSION

**11:00 – 12:30 Forum**

**Advances in achalasia**

Chairs: John Pandolfino, USA  
Sabine Roman, France

- **001 Pathophysiology of achalasia**  
  Guy Boeckxstaens, Belgium  
  Invited lecture

- **002 Closure of the distal esophagus prior to peristaltic contraction in patients with achalasia 3 esophagus causes impediment to bolus flow**  
  Ravinder Mittal, USA  
  Oral presentation of a submitted abstract

- **003 Treatment of achalasia**  
  Arjan Breedenoord, The Netherlands  
  Invited lecture

- **004 Esophagogastric junction distensibility in pediatric achalasia: a useful tool during pneumatic dilation**  
  Alain Benitez, USA  
  Oral presentation of a submitted abstract

## ESNM GENERAL ASSEMBLY

**13:20 – 14:00**

(for members only)

**ESNM STEERING COMMITTEE MEETING**

**12:30 – 13:20**

## PA-1A  PARALLEL SESSION

**14:00 – 15:30 Forum**

**Epithelial biology in NG&G**

Chairs: Shin Fukudo, Japan  
René van den Wijngaard, The Netherlands

- **001 Mucosal signaling: role of mucosal barrier and immune dysregulation**  
  Åsa Keita, Sweden  
  Invited lecture

- **002 CDCA released proinflammatory cytokine from small intestinal epithelial cells**  
  Tomoki Horikawa, Japan  
  Oral presentation of a submitted abstract

- **003 Barrier dysfunction in post-infectious IBS**  
  Madhusudan Grover, USA  
  Invited lecture

- **004 Intestinal epithelial barrier abnormalities in patients with chronic intestinal pseudo-obstruction**  
  Elisa Boschetti, Italy  
  Oral presentation of a submitted abstract

## PA-1B  PARALLEL SESSION

**14:00 – 15:30**

**Nausea**

Chairs: Paul Enck, Germany  
Kwang-Jae Lee, Republic of Korea

- **001 Central processing of nausea**  
  Braden Kuo, USA  
  Invited lecture

- **002 A thalamic-cingulate-caudate functional network identifies nausea severity and predicts susceptibility using machine learning**  
  James Ruffle, United Kingdom*  
  Oral presentation of a submitted abstract

- **003 Mechanism of nausea**  
  Kirsteen Browning, USA  
  Invited lecture

- **004 Enteric nervous system as a therapeutic target to alleviate gastrointestinal side-effects of chemotherapy**  
  Kulmira Nurgali, Australia  
  Oral presentation of a submitted abstract

*LBBB participant
Scientific Programme by Day
Thursday, 30 August 2018

PA-1C  PARALLEL SESSION
14:00–15:30  E104/105
Pediatric functional GI and motility disorders
Chairs: Marc Benninga, The Netherlands
       Maura Corsetti, United Kingdom

001  Rome IV criteria
     Annamaria Staiano, Italy
     Invited lecture

002  Salivary pepsin measurement cannot be used for the diagnosis of infant gastro-oesophageal reflux disease
     Maartje Singendonk, The Netherlands
     Oral presentation of a submitted abstract

003  IBS from young adult to old age
     Max Schmulson, Mexico
     Invited lecture

004  Efficacy of a partially hydrolyzed formula, with reduced lactose content and with lactobacillus reuteri, versus a standard intact protein formula in improving infant colic
     Rossella Turco, Italy
     Oral presentation of a submitted abstract

PA-2A  PARALLEL SESSION
16:00–17:30  E102
Neurodevelopment
Chairs: Gary Mawe, USA
       John Furness, Australia

001  Neurodevelopmental aspects of gut dysfunction
     Michel Neunlist, France
     Invited lecture

002  Perinatal high-fat diet exposure alters developmental expression of GABAA receptor subunits in central vagal neurocircuits
     Courtney Clyburn, USA
     Oral presentation of a submitted abstract

003  Stem cells: how to build up an enteric nervous system
     Nikhil Thapar, United Kingdom
     Invited lecture

004  The gut microbiota regulates maturation of the adult enteric nervous system
     Filipe de Vadder, France*
     Oral presentation of a submitted abstract

PA-2B  PARALLEL SESSION
16:00–17:30  E104/105
Mechanisms and treatment of gas and bloating
Chairs: Lin Chang, USA
       Albis Hani, Colombia

001  Role of methane in gut physiology and symptom generation
     Hyojin Park, Republic of Korea
     Invited lecture

002  Different types of simultaneous pressure waves in the human colon: biomarkers for gas transit and colon function assessment
     Jihong Chen, Canada
     Oral presentation of a submitted abstract

003  Bloating and distention
     Carolina Malagelada, Spain
     Invited lecture

004  Bloating and its association with functional gastrointestinal disorders according to ROME III diagnostic criteria
     Kewin Tien Ho Siah, Singapore
     Oral presentation of a submitted abstract

PA-2C  PARALLEL SESSION
16:00–17:30  E104/105
GERD
Chairs: André J. P. M. Smout, The Netherlands
       Justin Wu, Hong Kong

001  New diagnostic options
     John Pandolfino, USA
     Invited lecture

002  Laryngeal mucosal impedance; a new diagnostic tool for laryngopharyngeal reflux disease
     Serhat Bor, Turkey
     Oral presentation of a submitted abstract

003  Management of refractory GERD
     Xiao-Hua Hou, China
     Invited lecture

004  Prediction of presence of reflux esophagitis after POEM in achalasia
     Froukje van Hoeij, The Netherlands
     Oral presentation of a submitted abstract

*LBBB participant
## SY-1 SYMPOSIUM

<table>
<thead>
<tr>
<th>Time</th>
<th>Venue</th>
<th>Title</th>
<th>Chairs</th>
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</thead>
<tbody>
<tr>
<td>07:30–08:15</td>
<td>E102</td>
<td>The NGM training curriculum: a joint ANMS-ESNM project</td>
<td>Edoardo Savarino, Italy</td>
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<td>C. Prakash Gyawali, USA</td>
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<tr>
<td>001</td>
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<td>A tiered approach to NGM training</td>
<td>C. Prakash Gyawali, USA</td>
</tr>
<tr>
<td>002</td>
<td></td>
<td>Role of NGM societies in NGM training</td>
<td>Sabine Roman, France</td>
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<tr>
<td>003</td>
<td></td>
<td>Implementation and future direction</td>
<td>Edoardo Savarino, Italy</td>
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<tr>
<td>004</td>
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## SY-2 SYMPOSIUM

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<tbody>
<tr>
<td>07:30–08:15</td>
<td>E104/105</td>
<td>Highlights from Little Brain Big Brain 2018</td>
<td>Nazar Mazurak, Germany</td>
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<td>John Broad, United Kingdom</td>
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## PA-3A PARALLEL SESSION

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<tr>
<td>08:30–10:30</td>
<td>E104/105</td>
<td>Optogenetic control of gut function</td>
<td>R. Alberto Travagli, USA</td>
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<td>David Grundy, United Kingdom</td>
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<tr>
<td>001</td>
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<td>Optogenetic activation of enteric pathways</td>
<td>Lincon Stamp, Australia*</td>
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<td>002</td>
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<td>Optogenetic induction of gut propulsion</td>
<td>Nick Spencer, Australia</td>
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<td>Invited lecture</td>
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<tr>
<td>003</td>
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<td>Optogenetic manipulation of vagal pathways</td>
<td>Rui Chang, USA</td>
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<tr>
<td>004</td>
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<td>Gherlin inhibits autonomic response to gastric distension in rodents by acting on vagal pathway</td>
<td>Mathieu Meleine, France</td>
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<tr>
<td>005</td>
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<td>Spatio-Temporal mapping of gastrointestinal motility using MRI and computer post-processing: a proof of concept study</td>
<td>Alex Menys, United Kingdom</td>
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## PA-3B PARALLEL SESSION

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<tbody>
<tr>
<td>08:30–10:30</td>
<td>E102</td>
<td>Functional aspects of host-microbiome interactions</td>
<td>John Cryan, Ireland</td>
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<td>Giovanni Barbara, Italy</td>
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<tr>
<td>001</td>
<td></td>
<td>Bacterial dysbiosis</td>
<td>Shin Fukudo, Japan</td>
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<td>Invited lecture</td>
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<tr>
<td>002</td>
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<td>Commensal gut bacteria modulate the excitability of the vagal afferent neurons via cysteine proteases</td>
<td>Sabindra Pradhananga, Canada</td>
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<tr>
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<td>The Bifidobacterium longum “1714 TM” strain modulates brain activity during social stress in healthy volunteers</td>
<td>Huaiying Wang, Germany</td>
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<td>Fungal dysbiosis</td>
<td>René van den Wijngaard, The Netherlands</td>
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<td>Host-microbiome interactions</td>
<td>Purina Kashyap, USA</td>
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<tr>
<td>08:30–10:30</td>
<td></td>
<td>Therapeutic advances in FGIDs</td>
<td>William Chey, USA</td>
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<td>Guy Boeckxstaens, Belgium</td>
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<tr>
<td>001</td>
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<td>Psychological interventions</td>
<td>Jeffrey Lackner, USA</td>
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<tr>
<td>002</td>
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<td>Efficacy and safety of lanreotide in postoperative dumping syndrome: a phase III, double-blind placebo-controlled cross-over study</td>
<td>Lucas Wauters, Belgium</td>
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<td>003</td>
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<td>Pharmacological treatment of IBS and constipation</td>
<td>Maura Corsetti, United Kingdom</td>
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<td>Invited lecture</td>
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<td>004</td>
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<td>Pro-kinetic actions of an intraluminally acting 5-HT4 receptor agonist</td>
<td>John Konen, USA</td>
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<tr>
<td>005</td>
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<td>Complementary/alternative treatments</td>
<td>Justin Wu, Hong Kong SAR, China</td>
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<td>Invited lecture</td>
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*LBBB participant*
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<tr>
<th>PA-4A</th>
<th>PARALLEL SESSION</th>
<th>11:00–12:30</th>
<th>E102</th>
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<tbody>
<tr>
<td><strong>Chemosensation and EC cells</strong>&lt;br&gt;Chairs: Ashley Blackshaw, United Kingdom&lt;br&gt;Arthur Beyder, USA</td>
<td><strong>001</strong> Taste receptors and signaling in the gut&lt;br&gt;Catia Sternini, USA&lt;br&gt;<em>Invited lecture</em></td>
<td><strong>002</strong> Disturbances of gastric emptying and intestinal chemosensitivity in functional dyspepsia&lt;br&gt;Adil Bharucha, USA&lt;br&gt;<em>Oral presentation of a submitted abstract</em></td>
<td><strong>003</strong> Factors controlling EC cell triggering&lt;br&gt;Damien Keating, Australia&lt;br&gt;<em>Invited lecture</em></td>
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<tr>
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<th>11:00–12:30</th>
<th>E104/105</th>
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<tbody>
<tr>
<td><strong>Infection, inflammation and FGIDs</strong>&lt;br&gt;Chairs: Madhusudan Grover, USA&lt;br&gt;José María Remes-Troche, Mexico</td>
<td><strong>001</strong> H. pylori and functional dyspepsia&lt;br&gt;Hiroto Miwa, Japan&lt;br&gt;<em>Invited lecture</em></td>
<td><strong>002</strong> Bifidobacterium metabolites protect against chronic inflammation in the gut-brain axis&lt;br&gt;Amy Ehrlich, USA&lt;br&gt;<em>Oral presentation of a submitted abstract</em></td>
<td><strong>003</strong> Post-infectious IBS&lt;br&gt;Giovanni Barbara, Italy&lt;br&gt;<em>Invited lecture</em></td>
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<th>PARALLEL SESSION</th>
<th>11:00–12:30</th>
<th>Forum</th>
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<tbody>
<tr>
<td><strong>Food components triggering GI symptoms</strong>&lt;br&gt;Chairs: Sutep Gonlachanvit, Thailand&lt;br&gt;Magnus Simrén, Sweden</td>
<td><strong>001</strong> FODMAPs&lt;br&gt;William Chey, USA&lt;br&gt;<em>Invited lecture</em></td>
<td><strong>002</strong> Increase in small bowel water content and fluidity of ascending colon contents induced by kiwifruit is associated with more frequent looser stools in healthy volunteers: A mechanistic MRI study&lt;br&gt;Victoria Wilkinson-Smith, United Kingdom&lt;br&gt;<em>Oral presentation of a submitted abstract</em></td>
<td><strong>003</strong> Gluten&lt;br&gt;Elena Verdú, Canada&lt;br&gt;<em>Invited lecture</em></td>
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<tr>
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<th>Forum</th>
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<tbody>
<tr>
<td><strong>Satiety regulation and obesity</strong>&lt;br&gt;Chairs: Christine Feinle-Bisset, Australia&lt;br&gt;Jan Tack, Belgium</td>
<td><strong>001</strong> Obesity, enteric nervous system and microbiome&lt;br&gt;Shanthi Srinivasan, USA&lt;br&gt;<em>Invited lecture</em></td>
<td><strong>002</strong> Effects of intraduodenal administration of lauric acid (C12) and L-tryptophan (TRP), alone and combined, on plasma cholecystokinin, pyloric pressures and energy intake in healthy men&lt;br&gt;Christina McVeay, Australia&lt;br&gt;<em>Oral presentation of a submitted abstract</em></td>
<td><strong>003</strong> Therapeutic targets in the modulation of satiety&lt;br&gt;Michael Camilleri, USA&lt;br&gt;<em>Invited lecture</em></td>
</tr>
</tbody>
</table>
### PA-5B  PARALLEL SESSION

**14:00–15:30**

**Chronic intestinal pseudo-obstruction**

*Chairs: Sutep Gonlachanvit, Thailand  
Vincenzo Stanghellini, Italy*

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<tr>
<th>#</th>
<th>Title</th>
<th>Presenter(s)</th>
<th>Type of Session</th>
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<tbody>
<tr>
<td>001</td>
<td>Molecular and cellular characteristics</td>
<td>Seung-Jae Myung, Republic of Korea</td>
<td>Invited lecture</td>
</tr>
<tr>
<td>002</td>
<td>Mutations in sodium voltage-gated channels (SCN) genes identified in neurogenic chronic intestinal pseudo-obstruction</td>
<td>Francesca Bianco, Italy*</td>
<td>Oral presentation of a submitted abstract</td>
</tr>
<tr>
<td>003</td>
<td>Clinical aspects and management</td>
<td>Roberto de Giorgio, Italy</td>
<td>Invited lecture</td>
</tr>
<tr>
<td>004</td>
<td>Influence of the slow-release H2S donor GYY4137 and the H2S-releasing naproxen derivative ATB-346 on postoperative ileus</td>
<td>Jonas van Dingenen, Belgium</td>
<td>Oral presentation of a submitted abstract</td>
</tr>
</tbody>
</table>

### PA-6A  PARALLEL SESSION

**16:00–17:30**

**Sensory neuro-immune modulation and glial cells**

*Chairs: Nick Spencer, Australia  
James Galligan, USA*

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<tr>
<th>#</th>
<th>Title</th>
<th>Presenter(s)</th>
<th>Type of Session</th>
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</thead>
<tbody>
<tr>
<td>001</td>
<td>Neuro-immune modulation</td>
<td>Wouter de Jonge, The Netherlands</td>
<td>Invited lecture</td>
</tr>
<tr>
<td>002</td>
<td>Enteric neurons regulate dendritic cells by releasing IL-6 in the mouse colonic mucosa</td>
<td>Hanako Ogata, Japan</td>
<td>Oral presentation of a submitted abstract</td>
</tr>
<tr>
<td>003</td>
<td>Neuro-glia modulation</td>
<td>Pieter vanden Berghe, Belgium</td>
<td>Invited lecture</td>
</tr>
<tr>
<td>004</td>
<td>Enteroglial adenosine A2B receptor signaling regulates gut functions in health and disease</td>
<td>Vladimir Grubisic, USA*</td>
<td>Oral presentation of a submitted abstract</td>
</tr>
</tbody>
</table>

### PA-5C  PARALLEL SESSION

**14:00–15:30**

**Integrated systems approach in IBS**

*Chairs: Joon-Seong Lee, Republic of Korea  
Mauro d’Amato, Spain*

<table>
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<tr>
<th>#</th>
<th>Title</th>
<th>Presenter(s)</th>
<th>Type of Session</th>
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</thead>
<tbody>
<tr>
<td>001</td>
<td>Genetics of IBS</td>
<td>Beate Niesler, Germany</td>
<td>Invited lecture</td>
</tr>
<tr>
<td>002</td>
<td>A genome-wide association study of self-reported diagnosis identifies a locus on chromosome 9 affecting risk of Irritable Bowel Syndrome in women: results from the “bellygenes initiative”</td>
<td>Ferdinando Bonfiglio, Spain</td>
<td>Oral presentation of a submitted abstract</td>
</tr>
<tr>
<td>003</td>
<td>Systems approach in IBS</td>
<td>Lin Chang, USA</td>
<td>Invited lecture</td>
</tr>
<tr>
<td>004</td>
<td>Brain functional connectivity is associated with the feeling of incomplete bowel evacuation in patients with Irritable Bowel Syndrome (IBS)</td>
<td>Jenny Sjödahl, Sweden</td>
<td>Oral presentation of a submitted abstract</td>
</tr>
</tbody>
</table>

### PA-6B  PARALLEL SESSION

**16:00–17:30**

**Sex differences in FGIDs**

*Chairs: Beverley Greenwood-Van Meerveld, USA  
Magnus Simrén, Sweden*

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<th>#</th>
<th>Title</th>
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<tbody>
<tr>
<td>001</td>
<td>Biological mechanisms</td>
<td>Muriel Larauche, USA</td>
<td>Invited lecture</td>
</tr>
<tr>
<td>002</td>
<td>Distinct associations between functional connectivity within corticolimbic circuits and anxiety in women with Irritable Bowel Syndrome (IBS)</td>
<td>Adriane Icenhour, Germany*</td>
<td>Oral presentation of a submitted abstract</td>
</tr>
<tr>
<td>003</td>
<td>Clinical presentation</td>
<td>Na-Young Kim, Republic of Korea</td>
<td>Invited lecture</td>
</tr>
<tr>
<td>004</td>
<td>The Serotonin receptor 3E subunit variant HTR3E c.*76G&gt;A is confirmed as a risk factor for IBS-D in females</td>
<td>Beate Niesler, Germany</td>
<td>Oral presentation of a submitted abstract</td>
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</table>

*LBBB participant*
### Scientific Programme by Day

**Friday, 31 August 2018**

#### PA-6C  PARALLEL SESSION

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>16:00 – 17:30</td>
<td>Forum</td>
</tr>
</tbody>
</table>

**Functional dyspepsia and gastroparesis**

**Chairs:** Vincenzo Stanghellini, Italy  
Sanjiv Mahadeva, Malaysia

- **001** Functional dyspepsia  
  **Jan Tack, Belgium**  
  **Invited lecture**

- **002** Transit and tolerance to gastric gas in patients with functional dyspepsia: effects of nutrient intake  
  **Noemi Caballero, Spain**  
  Oral presentation of a submitted abstract

- **003** Gastroparesis  
  **Gianrico Farrugia, USA**  
  **Invited lecture**

- **004** Organization and function of regulatory elements of the PDGFRA-KIT locus in Interstitial Cells of Cajal (ICC) and Gastrointestinal Stromal Tumor (GIST) cells  
  **Tamas Ordog, USA**  
  Oral presentation of a submitted abstract

**Panel discussion**

#### PA-LB  PARALLEL SESSION

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>17:45 – 18:45</td>
<td>E104/105</td>
</tr>
</tbody>
</table>

**Late breaking oral session**

**Chairs:** Nick Spencer, Australia  
André Smout, The Netherlands

- **001** The causes of gastro-esophageal reflux after laparoscopic sleeve gastrectomy: Quantitative assessment of the structure and function of the esophago-gastric junction by magnetic resonance imaging and high-resolution manometry  
  **Mark Fox, Switzerland**  
  Oral presentation of a submitted abstract

- **002** Glial endothelin ETB receptor signaling may inhibit intestinal peristaltic activity  
  **Fievos Christofi, USA**  
  Oral presentation of a submitted abstract

- **003** Age-related changes in fecal bile acids contributes to altered phenotype of muscularis macrophages and disruption of gastrointestinal motility  
  **Laren Becker, USA**  
  Oral presentation of a submitted abstract

- **004** Familial megacolon presenting in childhood or adulthood: Seeking gene association  
  **Michael Camilleri, USA**  
  Oral presentation of a submitted abstract

#### SY-3  SYMPOSIUM

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>17:45 – 18:45</td>
<td>E102</td>
</tr>
</tbody>
</table>

**GENIEUR update**

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**Visit the Poster Exhibition**

**in Ruby Lounge**

- **Thursday, 30 August 2018**  
  09:00 – 17:00

- **Friday, 31 August 2018**  
  09:00 – 17:00

- **Saturday, 1 September 2018**  
  09:00 – 13:00

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**ESNM**  
European Society of Neurogastroenterology & Motility
# Scientific Programme by Day

**Saturday, 1 September 2018**

## PA-7A PARALLEL SESSION

**08:30 – 10:30**

**E104/105**

**GI complications of neurological disease**

**Chairs:** Kirsteen Browning, USA  
Albis Hani, Colombia

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<table>
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</table>
| **001** | Multiple sclerosis  
*Gary Mawe, USA*  
*Invited lecture*** |
| **002** | Autism  
*Kara Margolis, USA*  
*Invited lecture*** |
| **003** | Effects of fecal supernatant from Autism Spectrum Disorder patients on intestinal epithelial barrier and enteric nervous system cultures  
*Jacques Gonzales, France*  
*Oral presentation of a submitted abstract*** |
| **004** | Parkinson’s disease  
*R. Alberto Travagli, USA*  
*Invited lecture*** |
| **005** | Altered vagal responses to dopamine in a rat model of Parkinsonism  
*Cecilia Bove, USA*  
*Oral presentation of a submitted abstract*** |

## PA-7B PARALLEL SESSION

**08:30 – 10:30**

**E102**

**Dysphagia and eosinophilic esophagitis**

**Chairs:** Arjan Bredenoord, The Netherlands  
Peter Kahrilas, USA

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| **001** | Evaluation of dysphagia  
*José María Remes-Troche, Mexico*  
*Invited lecture*** |
| **002** | Significant decrease in integrated relaxation pressure of the upper esophageal sphincter following pneumatic dilatation of lower esophageal sphincter for achalasia  
*Yishai Ron, Israel*  
*Oral presentation of a submitted abstract*** |
| **003** | Diagnosis and assessment of EoE activity  
*Frank Zerbib, France*  
*Invited lecture*** |
| **004** | The natural course and long-term consequences of untreated eosinophilic esophagitis in a large cohort  
*Renske Oude Nijhuis, The Netherlands*  
*Oral presentation of a submitted abstract*** |
| **005** | Treatment of EoE  
*Sabine Roman, France*  
*Invited lecture*** |

## PA-7C PARALLEL SESSION

**08:30 – 10:30**

**E101**

**Visceral pain**

**Chairs:** Qasim Aziz, United Kingdom  
Stephen Vanner, Canada

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</table>
| **001** | Peripheral mechanisms of cross-organ sensitization  
*Stuart Brierley, Australia*  
*Invited lecture*** |
| **002** | Role of voltage-gated sodium channel isoforms in colon-innervating neurons in mice  
*Andelain Erickson, Australia*  
*Oral presentation of a submitted abstract*** |
| **003** | Central mechanisms of cross-organ sensitization  
*Beverley Greenwood-Van Meerveld, USA*  
*Invited lecture*** |
| **004** | Colitis-induced chronic colonic hypersensitivity induces cross organ sensitisation of bladder afferent pathways  
*Luke Grundy, Australia*  
*Oral presentation of a submitted abstract*** |
| **005** | Clinical aspects and treatment of visceral pain  
*Asbjørn Drewes, Denmark*  
*Invited lecture*** |

## PL-3 PLENARY SESSION

**11:00 – 12:30**

**Forum**

**Microbiome and gut-brain axis**

**Chairs:** Oh-Young Lee, Republic of Korea  
Giovanni Barbara, Italy

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| **001** | Clinical relevance of the microbiome  
*Magnus Simrén, Sweden* |
| **002** | Stress and the brain-gut axis  
*John Cryan, Ireland* |
| **003** | Treatment targeting the microbiome  
*Uday Ghoshal, India* |

## CLOSING CEREMONY

**12:30 – 13:00**

**Forum**

**Closing Ceremony**

*LBBB participant*
The Australian NeuroGastroenterology & Motility Association (ANGMA) invites you to join us in the beautiful city of Adelaide for the 4th Meeting of the Federation of Neurogastroenterology & Motility - FNM 2020.

For further information or to register your interest and receive updates please visit the conference website and provide your details.

www.fnm2020.org.au

CONTACT:
All Occasions Group
conference@aomevents.com
Phone: +61 8 8125 2200
Poster Presentations by Day
Thursday, 30 August 2018

P-01 POSTER PRESENTATION
09:00 – 17:00 Ruby Lounge
Mechanisms underlying normal and disordered gastrointestinal function

002 Augmented inspiratory upper esophageal sphincter tone during exercise: A physiologic control mechanism to maintain airway integrity
Neha Santucci, USA
A. Kaul, K. El-Chammas, M. A. Zafar, V. Sood, R. Panos

003 Morphological changes in the gastric mucosa in the antrum, depending on the infection of Helicobacter pylori and Epstein-Barr virus and their combinations
Anatoly Khavkin, Russia
L. Nikonov, G. Volynets, O. Komarova

004 Effects of urocortins on intestinal ion secretion in the mouse colon
Sumei Liu, USA
A. Karon

005 Modelling afferent nerve discharge during intestinal distension in rats
Donghua Liao, Denmark
J. Zhao, H. Gregersen

006 „In vivo“ PET imaging of innate immune responses in murine DSS colitis
Nicole Dmochowska, Australia
M. Campaniello, C. Mavrangelos, H. Wardill, P. Takhar, M. Keller, W. Tieu, P. Hughes

007 Nesfatin-1(30-59) injected intracerebroventricularly increases anxiety, depressiveness and anhedonia in normal weight but not in diet-induced obese rats
Martha Anna Schalla, Germany
S. Kühne, T. Friedrich, K. Peter, M. Goebel-Stengel, M. Rose, A. Stengel

008 A trust-based model for the interaction with anxious patients suffering from Irritable Bowel Syndrome (IBS)
Tudor-Stefan Rotaru, Romania
V. Drug

009 Enteric glia populate the mucosa of developing human gut in the absence of luminal microbiota
Nahum Shpigel, Israel
E. Eliraz-Nissim, S. Yagel, M. Gutnick

010 Alteration of colonic motility by protease activated receptors in DSS-induced colitis
Hee-Man Kim, Republic of Korea
T.-S. Sung, H.-U. Kim, K. Sanders, S.-D. Koh

011 Modulation of tachykinin NK2 receptor expression and activity by sex hormones in the colon
Stelina Drimoussi, Australia
I. Markas, T. Murphy, L. Liu

012 Spinal cord injury induces selective dysfunctional relaxation and change of nNOS expression in circular muscle layer of distal colon in rat model
Yong-Sung Kim, Republic of Korea
H.-S. Ryu, S.-C. Choi, S.-H. Park, M.-Y. Lee

013 Transcriptome profiling of subepithelial PDGFRalpha + cells in colonic mucosa reveals a metalloendopeptidase ADAM-Like Decysin 1 as a selective marker for intestinal inflammation and Crohn’s disease
Seun-Gil Ro, USA
S. E. Ha, L. Wei, M. Y. Lee, B. G. Jorgensen, R. Singh, C. Park, M. Kurahashi, B. Jin, S. Kim, S. M. Poudrier

014 Pollen extracts of birch and ragweed activate human and guinea pig submucous neurons and guinea pig DRG neurons
Sabine Buehner, Germany

015 Influence of peppermint and caraway oil on contractile activity of human intestinal muscle strips
Dagmar Krueger, Germany
M. Schemann, I. E. Demir, G. Ceyhan, F. Zeller

016 Dyssynergic defecation and the role of opioids, diabetes and rheumatologic conditions
Bhairvi Jani, USA

017 Identification of a rhythmic firing pattern in the enteric nervous system that generates rhythmic electrical activity in smooth muscle
Lee Travis, Australia

018 Regional variation of intrinsic myenteric neurons and co-innervated motor endplates on the striated muscles in the rat esophagus
Hirofumi Kuramato, Japan
R. Yoshimura, H. Sakamoto, M. Kadowaki

019 Acute colitis chronically alters epithelial barrier and adaptive and innate immune responses to subsequent colitis re-activation independently of shifts in microbiota composition
Patrick Hughes, Australia
H. Wardill, J. Choo, N. Dmochowska, M. Campaniello, C. Mavrangelos, J. Bowen, G. Rogers

020 Gastrointestinal symptoms and psychological well-being in endometriosis
Malin Ek, Sweden
B. Roth, B. Ohlsson
021 Effects of intraduodenal infusion of the bitter
  tastant, quinine, on antropyloroduodenal motil-
  ity, plasma cholecystokinin concentrations and
  energy intake in humans
  Vida Bitarafan, Australia
  P. Fitzgerald, T. Little, T. Wu, M. Horowitz, C. Fein-
  le-Bisset

022 The involvement of dopamine, but not ghrelin,
  in physiological control of defecation through
  ghrelin receptors
  John Furness, Australia
  R. Pustovit

023 Ambulatory assessment of colonic motility using
  the electromagnetic capsule tracking system
  Esben Bolvig Mark, Denmark
  J. Lykke Poulsen, A.-M. Haase, M. Espersen, T. Gre-
  gersen, V. Schlager, M. Scott, K. Krog, A. Mohr
  Drewes

024 Rapid drink challenge unmasks motility disorders
  in lung transplant patients
  Alexandra Baumann, USA
  M. Amaris, F. Ayoub, A. Pelaez

025 A review of the motilin system in guinea-pig:
  Re-examination of gastrointestinal motility stimu-
  lating action of guinea-pig motilin candidates in
  vitro
  Takio Kitazawa, Japan
  H. Kaiya

026 Evaluation of spatiotemporal gastric slow wave
  dysrhythmias following acute hyperglycemia
  Peng Du, New Zealand
  G. O’Grady, N. Paskaranandavadivel, S.-J. Tang,
  T. Abell, L. Cheng

027 The relation of sphingolipid in the change of
  intestinal barrier as aging and Irritable Bowel
  Syndrome (IBS): Preliminary study
  Yong-Hwan Kwon, Republic of Korea
  J.-H. Park

028 Reduced sympathetic drive in obese subjects may
  contribute to reductions in basal ghrelin release
  Qiaoling Wang, Belgium
  K. Liszt, E. Deloase, E. Canovai, R. Farré Marti,
  L. Ceulemans, J. Tack, M. Lannoo, I. Depoortere

029 Influence of intragastric fatty acid infusion on
  subjective responses to positive emotion induc-
  tion in healthy women
  Dongxing Zhao, Germany*
  L. Boey, N. Weltens, J. Tack, L. Van Oudenhove

030 Water-perfused anorectal manometry and pull-
  through maneuvers are unreliable techniques
  because they inadvertently increase anal pressure
  Maxime van Meegdenburg, The Netherlands
  M. Trzpis, P. Broens

031 Etiologies and characteristics of non-obstructive
dysphagia in a Chinese population: A prospec-
tive study based on high-resolution impedance manometry
  Ping-Huei Tseng, Taiwan
  C.-C. Yeh, C.-C. Chen, J.-F. Wu, H.-C. Lee, K.-L. Liu,

032 Cytomegalovirus and human herpesvirus 6 in the
development of acute appendicitis in children
  Marjolijn Timmerman, The Netherlands
  P. Broens, A. Riezbeos-Brijnman, M. Trzpis

033 Impact of position and bolus consistency on prox-
  imal esophageal contractile parameters in patients
  with dysphagia
  Lauren Gottshall, USA
  F. Meng, A. Quyana

034 Cystic fibrosis transmembrane conductance regu-
lator modulates enteric cholinergic activities and
  is abnormally expressed in the enteric ganglia of
  patients with slow transit constipation
  Lu Liu, Australia
  K. A. Ming Yeh, O. Johansson, H. Le, D. S. Perera,
  D. Lubowski, H. Chen

035 Assessment of colonic motility in severe ulcerative
  colitis using the electromagnetic capsule tracking system
  Anne-Mette Haase, Denmark
  N. C. Sutter, E. B. Mark, M. W. Klinge, J. Aghnolt, J.
  F. Dahlerup, A. M. Drewes, V. Schlager, K. Krog

036 Interstitial cells of Cajal and smooth muscle cells
derive from a common precursor at a late embry-
  onic and early postnatal stage
  Sabine Klein, Germany*
  B. Seidler, R. M. Schmid, M. Reichert, G. Schneider,
  D. Saur

037 Identification of novel sites of TRPV4 expression
  in the mouse colon
  Pradeep Rajasekhar, Australia*
  S. E. Carbone, C. J. Nowell, J. Fichna, L. Travis,
  N. Spencer, N. A. Veldhuis, D. P. Poole

038 Mechanisms for esophageal secondary peristalsis:
  Role of esophageal acidification versus 5-HT4
  receptor activation
  Chien-Lin Chen, Taiwan

039 The bitter compound, denatonium benzoate, regu-
lates expression of defensins in primary jejunal
  crypts of lean and obese subjects
  Kathrin Liszt, Belgium
  Q. Wang, E. Canovai, L. Ceulemans, M. Lannoo, I. De-
  poortere

*LBBB participant
Poster Presentations by Day
Thursday, 30 August 2018

040  Association between mean nocturnal baseline impedance and acid exposure time in gastroesophageal reflux disease patients and its significance for prognosis of erosive esophagitis
Anastasia Makushina, Russia
O. Storonova, A. Paraskevova, A. Trukhmanov, V. Ivashkin

041  Impact of ICC density and aging on slow wave velocity in the human stomach
Tim Hsu-Han Wang, New Zealand

042  Gastrointestinal dysmotility in neonatal malnutrition
Geoffrey Preidis, USA*
K. Soni, T. Halder, M. Conner

043  Projections of longitudinal muscle motor neurons in human colon
Simon Brookes, Australia
A. Humenick, N. Chen, D. Wattchow, M. Costa, P. Dinning

044  Enteric glial cells protect neurons against high glucose-induced injury in part via the activation of Akt/GSK-3beta pathway
Mujun Chang, China
L. Pan

045  Ultrasound of common bile duct for early detection of cholestasis in patients with constipation
Victoria Konopelniuk, Ukraine
R. Bubnov, M. Spivak

046  Fasting serum C4, total fecal bile acid, and fecal lithocholic acid predict low stool weight in patients with constipation predominant Irritable Bowel Syndrome (IBS)
Priya Vijayvargiya, USA*
V. Chedid, M. Camilleri

047  Description of ex vivo motor activity in human distal colon using high-resolution manometry
Reizal Mohd Rosli, Australia

048  Subthreshold oral exposure to paraquat and lectin causes ascending spread of parkinsonian pathology in the rat
Laura Anselmi, USA
C. Bove*, R. A. Travaglì
c

049  Phasic activity and tone in the internal anal sphincter: Role of calcium entry and stretch
Caroline Cobine, USA
K. Hannigan, M. McMahon, E. Ni Bhraonain, K. Keef

050  Acute high-fat diet induced modulation of gastric functions involves plasticity within central glutamatergic neurocircuits
Courtney Clyburn, USA
R. A. Travaglì, K. Browning

051  Motility assessment in prepared and unprepared healthy subjects using tagged cine-MRI
C.S. de Jonge; The Netherlands

052  The role of Bcl-3 polymorphism rs2927488 (G/A) in Chilean patients with Irritable Bowel Syndrome: A pilot study
Caroll Beltrán Munoz, Chile
C. Pérez, E. Pérez de Arce, D. Vera, H. Portillo, V. Torres, A. M. Madrid, M. Venegas, A. Sandoval

053  Are dysynergic defecation and altered rectal sensation unrecognized causes of chronic constipation in patients taking opioids?
Jason Baker, USA
B. Nojkov, R. Saad, S. Menees, S. Eswaran, A. Lee, K. Harer, W. Chey

054  Antroduodenal Manometry (ADM) in symptomatic children with idiopathic gastroparesis after Gastric Electrical Stimulation (GES)
Vibha Sood, USA
K. El-Chammas, N. Santucci, A. Kaul

055  Abrupt neural events in the guinea pig distal colon; novel motor pattern mediated by specific enteric neural circuits
Marcello Costa, Australia
L. Keightley, L. Wiklendt, T. Hibberd, P. Dinning, J. Arkwright, S. Brookes, N. Spencer

056  Hyperosmolar duodenal saline infusion lowers circulating ghrelin and stimulates intestinal hormone release in young men
Simon Veedfeld, Denmark
T. Wu, M. Bound, J. Grivell, B. Hartmann, J. F. Rehfeld, C. Deacon, M. Horowitz, J. J. Holst, C. K. Rayner

057  The role of platelet-derived growth factor receptor α+ cells (PDGFRα+ cells) in sympathetic neural regulation on murine colonic motility
Masaaki Kurahashi, USA
S. Baker, Y. Kito, S. D. Koh, K. Sanders

058  Inhibitory mechanism of motilin-induced strong contraction in conscious Suncus murinus
Haruka Sekiya, Japan
K. Koyama, S. Takemi, I. Sakata, T. Sakai

059  Sex differences in the regulation of colorectal motility via descending pain inhibitory pathway in rats
Kazuhiro Horii, Japan
Y. Ehara, K. Kaitou, H. Nakamori, T. Shiina, Y. Shimizu

060  Immunohistochemical and electrophysiological analysis of cholinergic and purinergic pathways in the mouse myenteric plexus
James Galgahan, USA
A. Perez-Medina

*LBBB participant
061 Protein expression in mastocyte-associated crypts and sub-mucosal tissue using the novel nanotring digital spatial profiling method with archival colonic FFPE biopsies
Wendy Henderson, USA
J. Robinson, Y. Liang, J. Gong, S. Turkington, N. Youssef, J. Beechem

010 Age-related changes in abdominal pain in healthy individuals and Irritable Bowel Syndrome (IBS) patients
Elen Wilms, The Netherlands

011 Curcumin attenuates visceral hyperalgesia in a post-inflammatory visceral pain rat model
Prasanna Kapavarapu, USA
M. Sood, J. Sengupta

012 The psychosomatic profiles in PPI non-responders with esophageal reflux symptom
Su-Jin Kim, Republic of Korea

001 STW-5 exerts anti-nociceptive and anti-inflammatory effects
Matthias Engel, Germany
M. Khalil, Z. Zhang

002 Different morphological types of afferent endings arising from single spinal afferent axons in the large intestine identified by direct anterograde tracing from DRG in vivo
Melinda Kyloh, Australia
N. Spencer

003 Antibiotic-induced perturbation of the gut microbiota enhances pain perception and the excitability of dorsal root ganglion neurons
Corey Baker, Canada
J. Sessenwein, J. Segal, N. Ghasemlou, S. Vanner, A. Lomax

004 The inhibitory effect of Keishikashakuyakuto, a Japanese herbal medicine, on visceral pain induced by colorectal distension
Takeshi Kamiya, Japan
M. Shikano, E. Kubota, H. Kataoka, T. Joh

005 The normoglycemic BioBreeding rat: A spontaneous model to study the gender difference in stress-induced gastro-intestinal symptoms
Alison Accarie, Belgium
R. Farré Marti, J. Tack, T. Vanuytsel

006 The gut microbiome and hepatic gene expression: Implications for tryptophan metabolism
Gerard Clarke, Ireland
K. O"Donoghue, L. Olavarria-Ramirez, M. van de Wouw, G. Moloney, J. Cryan, T. Dinan, C. Gheorghe

P-02 POSTER PRESENTATION
09:00 – 17:00
Ruby Lounge
Pain mechanisms and visceral hypersensitivity

001 Duodenal contractility in response to flow and ramp distension in rabbits fed with low-fiber diet
Jingbo Zhao, Denmark
Y. Liu, D. Liao, G. Wang, H. Gregersen

002 A low FODMAP diet consistently reduces symptoms in Chinese patients with functional dyspepsia, irritable bowel and overlap syndrome; a randomised double-blind cross-over study
Victoria Tan, Hong Kong SAR, China
N. Chu, J. Muir, P.-R. Gibson

003 Tryptamine Activates 5-HT4 GPCR to increase secretion in the mouse proximal colon
Yogesh Bhattachari, USA*
E. Battaglioli, P. Kashyap

004 HLA-DQB1*02 dose effect on anti-tissue transglutaminase autoantibody levels in celiac disease
Roxana Maxim, Romania
A. Plesa, I. Cortescu, P. Cianga, C. Stanciu, A. Trifan

005 Age of onset and diagnosis of celiac disease may be influenced by the haplotypes inherited
Roxana Maxim, Romania
A. Plesa, B. Mazilu, A. Clim, P. Cianga, C. Stanciu, A. Trifan

007 Do hypermobile joints predict a painful colonoscopy?
Bram Beckers, The Netherlands
L. Vork, R. de Ridder, Q. Aziz, A. Masclee, D. Keszthelyi

*LBPP participant
Poster Presentations by Day
Thursday, 30 August 2018

007 Prevalence of Self-Reported Gluten Sensitivity (SRGS) in Irritable Bowel Syndrome (IBS) in a Brazilian community
Rosa Leonora Salerno Soares, Brazil
L. Trugilho, G. Menezes, J. Paes, F. Larissa, M. Palombo, M. Sales dos Santos, M. A. Saad

008 Role of the circadian clock in the interplay between microbial short-chain fatty acids and nutrient sensors and their effect on gut contractility
Anneleen Segers, Belgium
L. Desmet, T. Thijs, K. Verbeke, J. Tack, I. Depoortere

009 Malnutrition during pregnancy promotes the development of obesity in the offspring
Shu Sun, Belgium
K. Corbeels, L. Desmet, A. Segers, Q. Wang, B. van der Schueren, I. Depoortere

010 Gut microbial short-chain fatty acids alleviate psychosocial stress-induced alterations in reward-seeking behaviour, stress-responsiveness and intestinal permeability
Marcel van de Wouw, Ireland

011 Role of saccharomyces boulardii as adjunctive treatment in non-clostridium difficile infection, nosocomial diarrheain a tertiary care hospital
Monthira Maneerattanaporn, Thailand
N. Preeshakawin, M. Suttikulsombat, P. Kiratsin

012 Features of the state of intestinal microbiota and clinical and metabolic parallels in overweight and obese children
Margarita Gurova, Russia
V. Novikova, A. Khavkin

013 Effects of dietary galacto-oligosaccharide on stress-related behaviors in a subchronic mild social defeat stress model of mice
Atsushi Toyoda, Japan

014 Sex-dependent effects of postnatal exposure to low dose penicillin on the microbiota-gut-brain axis
Marya Kayyal, Canada
F. Mian, A. Stanisz, K.-A. McVey Neufeld, P. Forsythe

015 Perturbation of gut microbiota with the antibiotic, vancomycin, between weaning and adulthood affectsenteric neuronal excitability and motility in the mouse colon
Lin-Yung Hung, Australia

016 Magnetotactic bacterium detected in the human microbiome associated with multiple measures along the gut-brain axis
Rozalyn Simon, Sweden
S. Witt, O. Bednarska, N. Barazanj, D. Jönsson, M. Jones, Å. Keita, S. Walter

017 Day-to-day variability in fecal microbial richness and its association with stool consistency: Do we need multiple sample collection?
Lisa Vork, The Netherlands
J. Penders, S. van Kuijk, J. Jalanka, M. Rajilic-Stojanovic, S. Bojic, C. Manichanh, M. Pozuelo, A. Mascele, D. Jonkers

018 Nausea susceptibility is associated with subcortical brain morphology
Anya Patel, United Kingdom
L. Ruffle*, V. Giampietro, Q. Aziz, A. Farmer

019 E.coli in children with dysbiosis
Valeria Novikova, Russia
A. Listopadova, E. Orishak, L. Nilova, K. Kosyakovsk, E. Oganesyan

020 The changes intestinal microbiota in children with chronic diseases
Elena Orishak, Russia
A. Listopadova, V. Novikova, L. Nilova, E. Oganesyan

021 Exposure to the antibiotic, vancomycin perturbs gut microbiota, mucosal serotonin and enteric neuron development of the early postnatal mouse colon
Jaime Pei Pei Foong, Australia*

022 The impact of the gut microbiota on hepatic drug-metabolising enzymes: Potential implications for clinical practise of neurogastroenterology
Jacinta Walsh, Ireland
M. van de Wouw, G. Moloney, J. Cryan, T. Dinan, B. Griffin, N. Hyland, G. Clarke

023 Effect of green kiwifruit on digestive functions and microbiota in constipated patients: A randomized, controlled, single-blind trial
Cesare Cremon, Italy

024 Impact of inactivated lactobacilli on both microbiota composition and behaviour in mice
Alicja Warda, Ireland
K. Rea, P. Fitzgerald, C. Hueston, E. Gonzalez Tortuero, T. G. Dinan, C. Hill
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**Thursday, 30 August 2018**

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<td>09:00–17:00</td>
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</table>

**Pathophysiological and clinical aspects of functional esophagogastro-intestinal disorders**

001  **The prevalence of non-tuberculous mycobacterial lung disease with or without reflux esophagitis**  
Dong-Ho Lee, Republic of Korea  
N.-Y. Kim, C.-M. Shin

002  **Abnormalities in the anorectal manometry in a patient with possible Ehler-Danlos syndrome**  
Vivianne Maria Anido, Cuba  
Z. Diaz Drake

003  **Visceral obesity does not affect the reflux-related symptoms in the subjects with minimal change esophagitis**  
Jae-Hak Kim, Republic of Korea  
C. H. Yang

004  **Prevalence and clinical importance of chronic Nausea Syndrome**  
Hye-Kyung Jung, Republic of Korea  

005  **EGJ distensibility measurements are consistent between endoscopic and intraoperative settings among patients with achalasia**  
Ryan J. Campagna, USA  
D. A. Carlson, E. N. Teitelbaum, J. M. Sternbach, P.J. Kahrilas, N. J. Soper, J. E. Pandolfino, E. S. Hungness

006  **Association between gastroesophageal reflux disease and non-cardiac chest pain: A cause of impaired quality of life**  
Oana Barboi, Romania  
C. Cijevski Prelipecan, C. Mihai, M. Floria, V. Drug

007  **Sleep disorder in patients with functional dyspepsia**  
Jong-Kyu Park, Republic of Korea  

008  **Interstitial Cells of Cajal (ICC) restricted miR-10b knockout mediates altered GI motility and diabetic phenotype**  
Rajan Singh, USA  
S. Ha, L. Wei, B. G. Jorgensen, B.-C. Jin, S. M. Poudrier, C. Park, L. S. Becker, K. M. Sanders, S.-G. Ro

009  **Gastroesophageal reflux disease in subjects with sleep-disordered breathing**  
Jung-Hwan Oh, Republic of Korea  
M.-J. Cho, S.-Y. Ha, J.-M. Park

010  **Multiple beneficial effects of ghrelin agonist HM01 on digestive disorders in 6-hydroxydopamine rat model of Parkinson’s disease**  
Izumi Kaji, USA  
L. Wang, A. Minalyan, L. Gabrielyan, N. Moussaoui, Y. Akiba, M. Muller, C. Pietra, J. Kaufitz, Y. Taché

011  **Eosinophilic esophagitis is increasing in Korea: Study based on a single tertiary center endoscopic database**  
Kee-Wook Jung, Republic of Korea  
G.-H. Kim, H.-Y. Jung, J.-B. Lee, Y.-S. Park

012  **Cholinergic status, a pro inflammatory factor, is elevated in diarrhea predominant Irritable Bowel Syndrome (IBS) woman: A case control study**  
Roy Dekel, Israel  
S. Shanhar-Tsarfaty, Y. Ron, N. Maharshak, S. Beliner, K. Hod

013  **Short and long term clinical and high-resolution manometry follow up after pneumatic dilatation for achalasia: A single center experience**  
Tamar Thurm, Israel  
L. Deutsch, R. Dekel, Y. Ron

014  **Gulf War Veterans with Irritable Bowel Syndrome (IBS) have an 8-fold increased risk of chronic fatigue and a 2-fold increased risk of sleep apnea but not other non-GI diseases**  
Ashok Tuteja, USA  
N. Talley, G. Stoddard, G. N. Verne

015  **Predictors of clinical response to proton pump inhibitors therapy in patients with globus sensation**  
Wei-Yi Lei, Taiwan  

016  **Changes in oral and fecal microbiota during the exacerbation of symptoms accompanying Irritable Bowel Syndrome (IBS) with Diarrhea**  
Yukari Tanaka, Japan  

017  **Characterization of esophageal motility in infants born with congenital diaphragmatic hernia using high resolution manometry**  
Maiissa Rayyan, Belgium  
N. Rommel, T. Omar, A. Debeer, H. Decaluwé, J. Deprest, K. Allegaert

018  **Anti-inflammatory effect of rebamipide combined with esomeprazole on the symptom improvement in PPI-resistant NERD patients: Pilot study**  
Beom-Jin Kim, Republic of Korea  
J.-Y. Park, J.-G. Kim
A reduction in the waist to height ratio is associated with resolution of erosive esophagitis in Korean men
Ki-Bae Bang, Republic of Korea
H.-D. Shin, K.-W. Nam, J.-H. Park, J.-E. Shin

Validation of updated Lyon gastro-esophageal reflux disease consensus criteria in Korean patients: Based on single tertiary care center ambulatory 24-hour pH testing and high-resolution esophageal manometry database
Sun-Pyo Lee, United Arab Emirates

Psychosocial factors affect the prevalence of functional gastrointestinal disorders and their effect on quality of life in psychiatric outpatients
Han-Seung Ryu, Republic of Korea
S.-H. Jung, S.-Y. Lee, S.-C. Choi

Combined multichannel intraluminal impedance and high resolution manometry improves detection of clinically relevant esophageal motor junction obstruction
Yang-Won Min, Republic of Korea

Measurement of salivary pepsin for diagnosis of GORD in adults is not yet ready for clinical application
Philip Woodland, United Kingdom

Joint hypermobility syndrome in patients with functional gastrointestinal disorders: A prevalence study in Singapore
Marianne A. De Roza, Singapore
A. Ong, Y.-K. Ng, P. Ghosh, Y.-T. Wang

Traditional surface anal EMG criteria used for diagnosing dyssynergia was limited to identify abnormal balloon expulsion time or impaired rectal evacuation
Tae-Hee Lee, Republic of Korea

Assessment of small intestinal motility using cine-MRI in patients with abdominal bloating
Hidenori Ohkubo, Japan
A. Fuyuki, N. Misawa, T. Yoshiihara, K. Kanoshima, T. Higurashi, A. Nakajima

Natural history of Pediatric Achalasia: A single center experience
Rossella Turco, Italy
A. Benitez, K. N. Fiorino, P. Mamula, R. Verma, D. A. Piccoli, J. T. Boyle

Repetitive belching is predictive of supragastric belching diagnosis
Andrew Ming-Liang Ong, Singapore
L. T.-Teng Chua, M. Lin, Y.-K. Ng, M. A. Deroza, Y.-T. Wang

Pilot feasibility analysis of Mindfulness Based Cognitive Therapy (MBCT) for functional dyspepsia in a tertiary referral centre in Singapore
Yi-Kang Ng, Singapore
M. A. De Roza, A. M. Liang Ong, Y. Hao, K. Doshi, Y.-T. Wang

Is measurement of functional anal canal length useful in patients with faecal incontinence or chronic constipation?: A study using high-resolution anorectal manometry
Paul Vollebregt, United Kingdom

Esophagography in patients with esophageal achalasia diagnosed with high-resolution esophageal manometry
Akio Tamura, Japan
T. Tomita, T. Horikawa, T. Yamasaki, T. Kondo, K. Tozawa, T. Oshima, H. Fukui, J. Watari, H. Miwa

Neurophysiology measures in IBS: Interactions and relevance for symptoms
Irina Midenfjord, Sweden
A. Palster, H. Sjövall, P. Friberg, H. Törnblom, M. Simrén

The Prevalence of Non-Cardiac Chest Pain (NCCP) in Japan
Takashi Kondo, Japan

The influence of demographic characteristics on constipation symptoms: A detailed overview
Sanne Verkuijl, The Netherlands
R. Meinds, M. Trzpis, P. Broens

Small bowel and colonic transit and contractile abnormalities by wireless motility capsule are common in functional dyspepsia emphasizing a more diffuse GI tract involvement
Allen Lee, USA

Pro-inflammatory stimuli increase ICAM-1 expression in enteric glial cells and favor T cell adhesion
Julie Pabois, France
T. Durand, C. Le Berre, A. Bourreille, M. Neunlist, I. Neveu, P. Naveilhan
### Poster Presentations by Day
**Thursday, 30 August 2018**

<table>
<thead>
<tr>
<th>ID</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>040</td>
<td>Gastrointestinal dysmotility is a significant feature in two siblings with a novel ITPR1 missense variant identified by whole exome sequencing</td>
<td>Naomi Tjaden, USA, E. Chiou, B. Chumpitazi</td>
</tr>
<tr>
<td>042</td>
<td>Prevalence, health care utilization and quality of life in Irritable Bowel Syndrome (IBS) and Inflammatory Bowel Diseases (IBD): A population-based study (SHIP-Trend-0)</td>
<td>Juliane Schwille-Kiuntke, Germany, H. Völzke, H. J. Grabe, M. M. Lerch, F. U. Weiβ, H. Mönnikes, P. Enck, B. Schauer</td>
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<td>043</td>
<td>Baseline impedance evaluation for GERD in patients post Peroral Enteral Myotomy (POEM)</td>
<td>Michael Crowell, USA, D. Snyder, K. Ravi, J. Horsley-Silva, N. Fukami, M. Vela</td>
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<td>044</td>
<td>Presence of gastroesophageal reflux independently predicts risk of repeat radiofrequency ablation within one year for atrial fibrillation</td>
<td>Jennifer Cai, USA, W. Chan, W.-K. Lo, S. Kapur</td>
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<td>046</td>
<td>Alcohol abuse and opioid treatment are associated with esophageal junction disorders</td>
<td>Valeria Schindler, Switzerland, F. Murray, D. Runggaldier, A. Bianca, A. Becker, D. Pohl</td>
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<td>Konstantin Shemerovskii, Russia</td>
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* *LBBB participant
Poster Presentations by Day
Thursday, 30 August 2018

010 Distensibility on EGJ for POEM in patients with achalasia
Sung-Pyo Hong, Republic of Korea

011 High resolution oesophageal manometry with a solid test meal improves diagnostic sensitivity and specificity for evaluation of oesophageal dysmotility: Validation study in a multiracial Asian cohort
Daphne Ang, Singapore
L. MY, Z. Meng, M. Fox

012 Normative values for region-specific colonic and gastrointestinal transit times in 75 healthy volunteers using the 3D-Transit electromagnet tracking system: Influence of gender and age
Gursharan Kalsi, United Kingdom
E. B. Mark, A.-M. Haase, M. W. Klinge, N. Sutter, V. Schlageter, K. Krogh, A. M. Drewes, M. Birch, S. M. Scott

013 Refeeding reverses fasting-induced mesenteric firing remodeling
Lingxia Bao, China
D. Liao, J. Zhao, G. Wang, H. Gregersen

014 Intraoperative use of functional lumen imaging probe during per-oral endoscopic myotomy in patients with achalasia
Shin-Hee Kim, Republic of Korea

015 High-resolution oesophageal manometry: Evaluation of differences between supine and lateral recumbent positions
Carolina Palmela, Portugal
J. M. Oors, S. Hillenius, S. Yapali, W. de Rooij, A. J. P. Smout, A. J. Bredenoord

016 Esophagogastric junction distensibility is decreased in eosinophilic esophagitis: Results from a multicenter pediatric cohort
Alain Benitez, USA

017 Optical imaging of membrane potential in the in situ swine stomach
Greg O’Grady, New Zealand
L. Cheng, H. Zhang, H. Yu, N. Paskaranandavadel, G. Walcott, J. Rogers

018 An ambulatory acquisition system for fibre-optic high resolution colonic manometry
Cameron Wells, New Zealand
N. Paskaranandavadel, A. Lin, I. Penfold, D. Rowbotham, L. Cheng, I. Bissett, J. Arkwright, G. O’Grady

019 High-resolution electromyography for evaluating anorectal physiology
Niranchan Paskaranandavadel, New Zealand
S. Ramachandran, L. Cheng, R. Collinson, I. Bissett, G. O’Grady

020 High-resolution slow wave mapping of the in-vivo rabbit small intestine
Ashley Cherian Abraham, New Zealand
L. K. Cheng, T. R. Angel, N. Paskaranandavadel

021 The defecation index as a predictor of failed rectal balloon expulsion test
Daniella Assis, USA
E. Stein, T. Abdi, A. Kallao

022 Anorectal manometry may reduce the number of rectal suction biopsy procedures needed to diagnose Hirschsprung’s disease
Rob Meinds, The Netherlands
M. Trepis, P. Broens

023 Age-dependent reference values for the ‘Infant Gastroesophageal Reflux Questionnaire Revised’ (i-GERQ-R)
Marinde van Lennep, The Netherlands
W. van den Berg, F. Lansink, R. Koning, V. van Erp, M. Smits, M. Benninga, M. van Wijk

024 Nocturnal esophageal baseline impedance a diagnostic tool to differentiate subgroups of patients with GERD symptoms
Claudia Defilippi, Chile
M. Hevia

025 Esophagogastric junction outflow obstruction: A tertiary centre’s 6-year experience
Joao Correia de Sousa, Portugal
M. Rocha, T. Guedes, G. Pereira, I. Pedroto, S. Barrias

026 Post-reflux swallow-induced peristaltic wave index and mean nocturnal baseline impedance predict supplemental oxygen requirement increase over 1 year in patients with idiopathic pulmonary fibrosis
Lawrence Borges, USA
W. Chan, V. Rangan, H. Goldberg, W.-K. Lo, S. Gavini, N. Feldman

027 The normative values of a new 36 channels water perfusion esophageal motility catheter
Sezgi Kipcak, Turkey
S. Bor

028 Utility of IRP4 for prediction of achalasia in children
Neelesh Tipnis, USA
E. Rosas-Blum, T. Ciecierega

029 Effects of electrode diameter and material on the signal morphology of gastric bioelectrical recordings
Abhishek A. Kamat, New Zealand
S. Alighaleh, L. K. Cheng, N. Paskaranandavadel, T. R. Angel

030 Can EGJ outflow obstruction be considered as achalasia subtype?
Dheyaa Al-Mashhadani, Iraq
H. Jabbar
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**Therapies for disordered gut function and functional gastrointestinal disorders**

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<th>Habitual FODMAPs in Hong Kong Chinese population</th>
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<td>Hoi Sing Chu, Hong Kong SAR, China</td>
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<td>C. K. Yao, J. Muir, V. P. Yi Tan</td>
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<tr>
<th>002</th>
<th>Effect of DA-9701 on the gastrointestinal motility in the diabetic mice</th>
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<tr>
<td></td>
<td>Hyun-Jin Kim, Republic of Korea</td>
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<td>S.-S. Lee, T.-W. Kim, K.-S. Park, R.-R. Cha</td>
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<tr>
<th>003</th>
<th>Evaluating the efficacy of sacral nerve stimulation for patients with chronic faecal incontinence: A systematic review of randomised and non-randomised trials</th>
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<td></td>
<td>Catherine Donnelly, United Kingdom</td>
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<td></td>
<td>S. Hamdy</td>
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<tr>
<th>004</th>
<th>Factors influencing clinical outcome of pneumatic dilation in achalasia: Initial results from a tertiary centre</th>
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<tr>
<td></td>
<td>Claudia-Irina Puscasu, Romania</td>
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<td>A. Voiosu, A. Bengus, T. Voiosu, B. Mateescu</td>
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<thead>
<tr>
<th>005</th>
<th>Comparison of behavioral therapy and standardized doctor’s information in reducing symptoms of supragastric belching</th>
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<tr>
<td></td>
<td>Jani Punkkinen, Finland</td>
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<td>M. Wolamines, R. Haakana, M. Nyyssönen, P. Arkkila</td>
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<thead>
<tr>
<th>006</th>
<th>A randomized, open, placebo controlled feasibility study to assess the value of specially designed toilet seat for patients suffering from obstructed defecation type of constipation</th>
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<tr>
<td></td>
<td>Yishai Ron, Israel</td>
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<thead>
<tr>
<th>007</th>
<th>Anatomical and functional evidence for interaction between mu and delta opioid receptors in myenteric neurons of the mouse colon</th>
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<tr>
<td></td>
<td>Daniel Poole, Australia</td>
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<td>J. DiCella, A. Saito, R. Ceredig, M. Canals, S. Carbone*, D. Massotte</td>
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<thead>
<tr>
<th>008</th>
<th>The effect of simultaneous dilatation with two balloon catheter in patients with upper esophageal sphincter dysfunction</th>
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<tr>
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<td>Hong-Sub Lee, Republic of Korea</td>
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<td>Y.-K. Kim, D.-H. Kim, K.-B. Kim</td>
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<tr>
<th>009</th>
<th>Palvanil, a non-pungent and fast-desensitizing capsaicin analogue, modulates gastrointestinal motility and alleviates abdominal pain</th>
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<td></td>
<td>Agata Szymaskiewicz, Poland</td>
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<td>J. Wlodarczyk, V. Di Marzo, M. Starr, J. Fichna, M. Zielinska</td>
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<tr>
<th>010</th>
<th>A case of solitary rectal ulcer syndrome presenting as a large polyp</th>
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<td>Elijah Verheyen, USA</td>
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<td>I.-J. Paik, J. Abed, S. Prajapati</td>
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<tr>
<th>011</th>
<th>Mosapride citrate combined with esomeprazole is effective in gastroesophageal reflux disease by improving delayed gastric emptying: Pilot study</th>
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<td>Beom-Jin Kim, Republic of Korea</td>
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<th>Effectiveness of per-oral endoscopic myotomy in recurrent achalasia patients with normal integrated relaxation pressure</th>
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<th>Mosapride improves lower esophageal sphincter and esophageal body functions in patients with minor disorders of esophageal peristalsis</th>
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<td>M.-I. Park, K.-W. Jung, H.-S. Je, G.-M. Kim, H.-K. Joo</td>
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<thead>
<tr>
<th>014</th>
<th>The effect of DA-9701 on motility in isolated, vascularly perfused rat colon</th>
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<td>Sei-Jin Youn, Republic of Korea</td>
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<thead>
<tr>
<th>015</th>
<th>A present status of the treatment for constipation before and after the publication of the clinical guidelines of chronic constipation in Japan</th>
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<tbody>
<tr>
<td></td>
<td>Toshihiko Tomita, Japan</td>
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<td>A. Tamura, T. Horikawa, T. Kondo, K. Tozawa, T. Oshima, H. Fukui, J. Watari, H. Miwa</td>
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<tr>
<th>016</th>
<th>A novel ingestible gastric electrostimulation capsule system for treatment of obesity: First proof of concept animal study</th>
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<tr>
<td></td>
<td>Yehuda Ringel, Israel</td>
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<td>A. Melamud</td>
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<table>
<thead>
<tr>
<th>017</th>
<th>Rikkunshito, Japanese herbal medicine improves stress-related appetite loss through the activation of reward system in the brain in rats</th>
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<tr>
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<td>Naomi Yamaguchi, Japan</td>
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<td>K. Yakabi, E. Hosami, Y. Hori, S. Ra, Y. Harada, N. Fujitsuka, S. Iizuka, K. Takayama</td>
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<tr>
<th>018</th>
<th>Randomized controlled trial of escitalopram versus placebo in Irritable Bowel Syndrome (IBS) and comorbid panic disorder: Comparison of retrospective symptom assessments and the real-time Experience Sampling Methodology</th>
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<td>Lisa Vork, The Netherlands</td>
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</table>

*LBBB participant*
Poster Presentations by Day
Thursday, 30 August 2018

019  Oral peptides with dual mu/delta opioid receptor agonist activities are superior to eluxadoline in preclinical models of IBS-D
Larry Mattheakis, USA

020  Harnessing endogenous opioids to control gastrointestinal dysmotility: The case for allosteric modulation
Simona Carbone, Australia*
J. DiCello, A. Saito, A. Szymaszkiewicz, J. Fichna, M. Canals, D. Poole

021  High-resolution entrainment mapping for human gastric pacing: Design and initial results
Saeed Alighaleh, New Zealand
L. K. Cheng, G. O’Grady, T. Angeli, S. Sathar, A. Bartlett, N. Paskaranandavadivel

022  Effects of the cysteine-protease papain on gastric motility
Anita Annahazi, Germany
M. Schemann

023  Role of enteric nervous system in tissue engineering of functional muscle layer of the gut in treatment of short bowel syndrome
Rasul Khasanov, Germany
L. M. Wessel, K.-H. Schäfer

024  Patient reported anti-emetic efficacy in a tertiary academic practice: Which anti-nausea medications do our patients feel work best?
Thomas Zikos, USA*

025  Psychosocial risk factors in Irritable Bowel Syndrome (IBS) patients
Ana María Madrid, Chile
M. Hevia, D. Vera, C. Chesta

026  Indications and use of movicol (polyethylene glycol 3350) in Malaysian children with constipation
Yee Ian Yik, Malaysia
Q. Lim

027  Effects of preoperative endoanal ultrasound on functional outcome after anal fistula surgery
Kasaya Tantipthachiva, Thailand
C. Sahakitrungrueng, J. Pattanaarun, A. Rojanasakul

028  Pilot study of new TES device for treating adult chronic constipation
Nick J. Talley, Australia
G. J. Holtmann, B. Southwell, D. Fisher, N. Koloski, M. P. Jones

*LBBB participant
## Poster Presentations by Day

**Friday, 31 August 2018**

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<th>POSTER PRESENTATION</th>
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<td><strong>Mechanisms underlying normal and disordered gastrointestinal function</strong></td>
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</table>

| 001 | Esophageal stress softening recovery is altered in the STZ-induced diabetic rats | Jingbo Zhao, Denmark | H. Jiang, D. Liao, G. Wang, H. Gregersen |
| 002 | Inflammatory molecular mechanisms and correlation with gastrointestinal symptoms in endometriosis and microscopic colitis | Malin Ek, Sweden | B. Roth, B. Ohlsson |
| 003 | The bitter and sweet sensing mechanisms of the ghrelin cell in the stomach of lean and obese subjects | Qiaoling Wang, Belgium | K. Liszt, E. Deloose, E. Canovai, R. Farré Martí, L. Ceulemans, J. Tack, M. Lannoo, I. Depoortere |
| 005 | A postprandial distal colonic motor abnormality exists in patients with diarrhoea predominant Irritable Bowel Syndrome (IBS) | Reizal Mohd Rosli, Australia | R. Kumar, L. Wikenndt, D. Watchow, R. Fraser, J. Arkwright, L. Maslen, P. Bampton, P. Dinning |
| 006 | Deletion of scavenger receptor protects against gastrointestinal dysmotility and muscularis inflammation | Estelle Spear, USA* | L. Becker, A. Habtezion |
| 007 | Acute, but not chronic, high fat diet delays gastric emptying in rats | Courtney Clyburn, USA | R. A. Travaglì, K. Browning |
| 008 | Irritable Bowel Syndrome (IBS)-related neurotransmitters transporters and metabolism gene expression but not gut microbiota are altered in a rat model of Post-Traumatic Stress Disorder (PTSD) | Omar Elgazzar, Canada | L.-E. Ghia, N. Eissa, L. Kermarrec, G. Kirouac |

| 010 | Adults with Spina Bifida have alterations of rectal and intestinal epithelial barrier functions | Charlene Brouchard, France | R. Olivier, A. Ropert, E. Coron, L. Siproudhis, G. Bouguen, M. Neunlist |
| 011 | The function of Cholecystokinin (CCK) on gut motility in the stomachless fish Ballan wrasse | Hoang Thi My Dung Le, Norway | I. Rennestad, K. K. Lie, J. Giroud-Argoud, Ø. Sæle |
| 014 | Automatic cell tracking in Ca2+ imaging recordings of the enteric nervous system using B-spline explicit active surfaces | Youcef Kazwiny, Belgium | J. Pedrosa, J. D’Hooge, W. Boesmans, P. Vanden Berghen |
| 015 | Isolation and culture of human primary neurons and glial cells from the myenteric plexus of the colon for structural, molecular and functional studies | Alexandre Palmer, United Kingdom | S. Elahi, M. Edgar, J. Chin-Aleong, C. Knowles, G. Sanger |
| 016 | CXCL1 inhibits myosin light chain phosphorylation and intestinal contractile activity | Karen Uray, Hungary | Á. Sipos, T. Docsza |
| 017 | Unravelling homo- and heteromeric interactions of Mas-related G protein-coupled receptors: A gut perspective | Rohit Arora, Belgium | S. van Remoortel*, A. Labro, D. Snyders, R. Buckinx, J.-P. Timmermans |

*LBBB participant*
020 Inter-organ correlations between gut and brain gene networks exist in neuro-glial and inflammation related pathways: An analysis of human post-mortem samples
Elizabeth Videlock, USA*
J. Hoffman, S. Mahurkar-Joshi, C. Pothoulakis

021 Neuropeptide (NP 41) visualizes the extrinsic nervous system network in the gut wall: Relationship between pre-ganglionic and post-ganglionic innervation
Ravinder Mittal, USA
Y. Jiang, M. Whitney, Q. Nguyen, Y. Jiang

022 Modulation of the intestinal barrier during sepsis with a broad-spectrum serine protease inhibitor
Philip Plaeke, Belgium
J. de Man, K. Gys, C. Lammens, S. Malhotra-Kumar, P. Jorens, G. Hubens, B. de Winter

023 Expression of MRGPRs in the human gut: Novel players in GI (dys)functioning?
Samuel van Remoortel, Belgium

024 Increased levels of anxiety and depression in patients with Inflammatory Bowel Disease (IBD) are not correlated with markers of systemic or mucosal inflammation
Agata Mulak, Poland
M. Panek-Zeijorna, M. Jasinska, B. Marczak-Karpina

025 Effect of nutrient receptor T1R1/T1R3 activation on gastric smooth muscle
Molly Crowe, USA*
S. Mahavadi, B. A. Blakeney, K. S. Murthy, J. R. Grider

026 A GWAS meta-analysis of IBS using health-care medical records from 6,003 cases and 419,824 controls: Results from the “bellygenes initiative”
Ferdinando Bonfiglio, Spain

027 Neuronatin is positively associated with body mass index and fat mass in humans
Elena Weibert, Germany
T. Hofmann, U. Elbelt, M. Rose, A. Stengel

028 Epithelial response of transplanted human intestinal organoids to murine enteral content
Maxime Mahe, France*

029 Enteric glial PGE2 production regulates intestinal motility and permeability differently in male and female
Stefano Gigli, Italy
A. Bessard, E. Durieu, N. Cenac, G. Esposito, M. Neuilist, M. Rolli-Derkindener

030 Molecular mechanisms of calcium signaling in the modulation of small intestinal ion transports
Hui Dong, China
F. Zhang, X. Yang, H. Wan

031 The effects of experimental ulcerative colitis in myenteric plexus of the P2X7 knockout mice
Patricia Castelucci, Brazil
V. Figliuolo, R. Coutinho-Silva, R. Souza, A. Santos, F. Machado

032 A GWAS meta-analysis of functional dyspepsia using health-care medical records from 7,262 cases and 344,217 controls: Results from the FunDysG-WAS project
Koldo Garcia, Spain

033 The inositol trisphosphate receptor-regulated isoform of the sodium bicarbonate cotransporter-1 (NBCe1, SLCA4A) is enriched in pacemaker interstitial cells of Cajal of the mouse small intestine
Simon J. Gibbons, USA

034 Diabetes and aging induce different gastrointestinal motor alterations in the rat: In vivo radiographic analysis and in vitro whole colon studies
Raquel Abalo Delagado, Spain
G. Vera, A. Talavera, M. Núñez, N. Fernández, R. Girón, L. Keightley, M. Costa, M. Martin Fontelles

035 The effect of the gastro-duodenal obstruction on esophagitis
Ki-Bae Kim, Republic of Korea

036 Colonic motility and permeability deficits in A53T mice
Rachel McQuade, Australia

037 MRI of the colon: An analysis of fecal volume and stool dryness
Esbca Bosberg, Denmark
A.-M. Langmach-Woeger, M. Brendstrup Bødker, D. Grønlund, L. Riis Østergaard, J. Brændum Frekjaer, A. Mohr Drewes

038 Development of nitricergic and serotonergic neurons in nNOS-GFP and Tph2-GFP mice
Marlene Hao, Australia*
A. Bergner, A. Weng, M. Tanami, L. Stamp*

039 Psychiatric comorbidities and recent narcotic use are independently associated with dysynergic defecation in patients with chronic constipation
Alison Goldin, USA
W. Chan, N. Thapa, L. Horton

*LBBB participant
040 Neuro-immune interactions and nerve sprouting in the colonic mucosa of patients with diverticular disease
Maria Raffaella Barbaro, Italy
C. Cremon, D. Fuschi, E. Scuolli, G. Marasco, E. Capelli, D. Festi, V. Stanghellini, G. Barbara

041 Dissecting molecular pathomechanisms in Hirschsprung’s disease using a complementary patient-specific approach
Stefanie Schmitteckert, Germany*

042 Quantified terminal ileal motility during MR enterography as a biomarker of Crohn’s disease activity: A prospective study
Alex Menys, United Kingdom

043 Characterizing enteric neuronal pathways activated by luminal nutrients using Ca2+ imaging
Candice Fung, Belgium*
M. Hao*, W. Boesmans, P. vanden Bergh

044 Characteristics of lactulose hydrogen breath test in patients with Gallstone disease
Hyun A. Cho, Republic of Korea
J.-S. Rew, S.-Y. Park

045 Genetically-driven reduction of catechol-O-methyltransferase expression affects dopaminergic pathways in mouse ileum
Valentina Caputi, Ireland*
S. Cerantola, I. Marsilio, M. Bistoletti, A. Gucciardi, M. Mercuri, G. Giordano, C. Giaroni, F. Papaleo, M. C. Giron

046 Interaction between negative mood and Intragasric fatty-acid Infusion and effect on appetite-related sensations and Cardiac Vagal Tone (CVT) in lean subjects
Heather Fitze, United Kingdom
A. Albu-Soda, R. Fried, A. Farmer, L. van Oudenhove, Q. Aziz

047 Gastroparesis cardinal symptom index is associated with gastrointestinal tract pH, but not contractility or transit times, in type 1 and type 2 diabetes
Anne-Marie Langmach Wegeberg, Denmark
B. Brock, A. Hobson, S. M. Scott, D. Richards, A. M. Drewes, A. Farmer, C. Brock

048 Differences in enteric neuron wiring revealed by live calcium imaging in the mouse colon
Zhiling Li, Belgium
M. Hao*, W. Boesmans, P. vanden Bergh

049 Interstitial cells of Cajal: Translation of mechanisms regulating function to the human stomach
Marie-Ange Kouassi, United Kingdom
A. Palmer, S. Elahi, J. Loy, A. Goralczyk, M. Adebibe, P. Novak, G. Sanger

050 Hypoxia-inducible Factor 1 alpha (HIF1A) stimulates neuronal Nitric oxide synthase (Nos1) transcription by reconfiguring enhancer-promoter interactions
Tamas Ordog, USA

051 IBS-associated SCN5A mutation R225W causes loss of NaV1.5 currents in a human jejunal circular smooth muscle cell line
Peter Strege, USA
A. Beyder, A. Mazzone, S. Gibbons, Y. Hayashi, T. Ordog, G. Farrugia

052 Key components of the neurotransmitter release machinery expressed in mouse enterochromaffin cells
Cordelia Imig, Germany*
B. H. Cooper, D. Keating, N. Brose

053 Assessing the progression of gastrointestinal symptoms in patients with systemic sclerosis after 5 years
Sarah Umar, USA
J. Bering, L. Griffing, M. Crowell

054 Measuring reactivity of the extrinsic autonomic nervous system associated with human colon motor patterns via heart rate variability
Jihong Chen, Canada
Y.-H. Yuan, W. Tan, K. Mathewson, S. Parsons, J. Huizinga

055 Mechanosensitive enterochromaffin cells require piezo2 mechanosensitive ion channels to convert force into serotonin release and epithelial secretion
Constanza Alcaino, USA*
K. Knutson, A. Treichel, G. Yildiz, D. Linden, J. Li, A. Leiter, G. Farrugia, A. Beyder

056 Influence of Toll-like receptor 4 signaling on high-fat diet induced dysmotility in mouse small intestine
Silvia Cerantola, Italy
I. Marsilio, V. Caputi*, F. Garelli, A. Nericcio, R. Colucci, M. C. Giron

057 Enteric glial cell function during colitis: A role for corticotropin-releasing hormone receptor 2
Jill Hoffman, USA
B. Lavoie, J. Ruiz, A. Bugwadiya, G. Mawe, C. Potthoulakis

*LBBB participant
058 The increasing prevalence and impact of racial differences on colonic diverticulosis in a multi-ethnic Asian country
Alex Soh, Singapore

059 Nitrergic and vipergic neurons associated with decreased amount of calcitonin gene-related peptide in the enteric plexus of sigmoid colon in diverticular disease
Jauke I. Lukosiene, Lithuania

060 Inflammation downregulates alpha-synuclein expression in enteric neurons
Alice Prigent, France
C. Pochard, J. Gonzales, M. Neunlist, P. Derkinderen

061 Prevalence of delayed gastric emptying scintigraphy on prescribed opioid medications despite a 72-hour withholding period: Relation to route of administration, dosing, and potency
Jason Baker, USA
K. Harer, A. Lee, W. Hasler

062 Intestinal resident macrophages refine connectivity in the enteric nervous system
Maria Francesca Viola, Belgium
S. de Schepper, S. Verheijden, P. vanden Berghe, G. Boeckxstaens

063 Colitis-induced neurobehavioral deficits following chronic brain injury
Marie Hanscom, USA
T. Aubrecht, D. Loane, T. Shea-Donohue, A. Faden

064 Kv7 channel regulation of colonic motility in mice
Christopher Keating, United Kingdom
A.-A. Hassan, M. Iravani

065 Alteration of enteroendocrine cells number in intestinal mucosa of Irritable Bowel Syndrome (IBS) patients
Caroll Beltrán Munoz, Chile

066 IBS severity and levels of depression/anxiety correlate poorly among female IBS subjects with mild to moderate anxiety and/or depression
Eileen F. Murphy, Ireland
D. Groeger, T. Dinan, E. M. Quigley

067 Meal enjoyment and tolerance: Sex differences
Hugo Monroy, Spain
G. Borghi, T. Pribic, A. Accarino, F. Azpiroz

068 Effects of laparoscopic sleeve gastrectomy on gastric morphology and function measured by magnetic resonance imaging: Prospective clinical trial
Mark Fox, Switzerland
C. Fiorillo, G. Quero, B. Dallemagne, J. Curcic, S. Perretta

069 Role of CPI-17, an endogenous myosin phosphatase inhibitory protein, for gastrointestinal motility using genetically modified mice
Masatoshi Hori, Japan
A. Maki, Q. Yang, H. Ozaki, N. Kaji

070 Liquid Test Meal combined with Lactulose Hydrogen Breath Test allows discrimination between Functional Dyspepsia and Healthy Volunteers
Valeria Schindler, Switzerland
F. Murray, S. Giezendanner, D. Runggoldier, L. Schnurre, A. Zweig, D. Pohl

071 The role of Toll-like receptor 4 in the gut barrier dysfunction in experimental postoperative ileus
Sisi Lin, Germany
A. V. Bazhin, Y. Li

072 Cloning of the proglucagon gene and the gastrointestinal motor functions of GLP-1 in suncus murinus
Hayato Taguchi, Japan
S. Ojima, C. Nakahara, N. Hiura, T. Sakai, I. Sakata

073 Oxidative injury to bone marrow-derived macrophages as a model of tissue macrophage polarization in diabetic gastroparesis
Gianluca Cipriani, USA
S. J. Gibbons, A. M. Wright, S. T. Eisenman, D. R. Linden, T. Ordag, G. Farrugia

074 Utility of high resolution Liquid Chromatography-Mass Spectrometry (LC-MS) for assessment of individual differences in intestinal permeability
Wendy Henderson, USA

075 Comprehensive evaluation of gastrointestinal disorders in patients with joint hypermobility syndromes
Vibha Sood, USA
K. El-Chammas, N. Santucci, V. Mikkada, A. Kaul
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<tr>
<th>#</th>
<th>Title</th>
<th>Authors</th>
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<td>001</td>
<td>Identification of modulators of intestinal nerve activity from staphylococcus aureus</td>
<td>Friederike Uhlig, United Kingdom* L. Grundy* , J. Castro, S. M. Brierley, S. J. Foster, D. Grundy</td>
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<tr>
<td>003</td>
<td>How modality shapes fear: Comparisons of aversive learning in the visceral, somatic and auditory domain</td>
<td>Adriane Icenhour, Germany* L. R. Koenen, R. J. Pawlik, J. Langhorst, H. Engler, U. Binge!, S. Eisenbruch</td>
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<tr>
<td>005</td>
<td>The effects of a diet rich in fructo-oligosaccharides on abdominal sensitivity: A study on underlying mechanisms of action</td>
<td>Jasper Kamphuis, France B. Guiard, P. Riviére, S. Yvon, V. Tondereau, H. Eu-tamède, V. Theodorou</td>
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<tr>
<td>006</td>
<td>The influence of the dopamine system on esophageal sensitivity in health</td>
<td>Ans Pauwels, Belgium* C. Broers, H. Geysen, J. Tack</td>
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<td>008</td>
<td>Bilateral reduction in insular volumes are related to increased symptom burden in female IBS patients</td>
<td>Nawroz Barazanji, Sweden O. Bednarska, S. T. Witt, M. Engström, Å. Keita, R. Simon, S. Walter</td>
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<tr>
<td>010</td>
<td>Sensory testing can objectify pain in chronic pancreatitis</td>
<td>Louise Kuhlmann, Denmark S. S. Olesen, D. Grønlund, A. E. Olesen, A. M. Drewes</td>
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<tr>
<td>011</td>
<td>Blastocystis infection alters gut homeostasis and behavior in rats</td>
<td>Manon Defaye, France M. Mele, C. Nourriss, E. Baud, A. Lashermes, I. Wawrzyniak, M. Bonnet, F. Delbac, F. Carvalho, P. Poirier</td>
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<td>012</td>
<td>Regulation of serotonergic neurotransmission by microbiota-gut axis in mouse small intestine</td>
<td>Ilaria Marsilio, Italy S. Cerantola, A. Paquola, V. Caputi*, C. Bucci!, A. Bertazz, M. C. Giron</td>
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<td>014</td>
<td>Effect of resolvin D1, D2 and E1 on TRPV1 activation mediated by histamine and IBS supernatants</td>
<td>Elisa Perna, Belgium M. Florens, J. Agulira, S. Theofanous, L. Decraecker, M. Wouters, G. Boeckstaens</td>
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<td>015</td>
<td>Involvement of the Toll-Like Receptor 5 on mouse colonic hypersensitivity induced by neonatal maternal separation</td>
<td>Geoffrey Mallaret, France A. Lashermes, M. Mele, L. Boudieu, F. Carvalho, D. Ardid</td>
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<tr>
<td>016</td>
<td>Case report: A tricky superior mesenteric artery syndrome</td>
<td>Federico Verna, Belgium</td>
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<td>017</td>
<td>Profiles of acid ion channels and 5-hydroxytryptamine receptors in a rat model of gastro-esophageal reflux disease</td>
<td>Gudrun Ulrich-Merzenich, Germany L. Welslau, A. Shcherbakova! O. Kelber, S. Rabini, H. Aziz-Kalbenn</td>
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**Friday, 31 August 2018**

018  **Food antigen-specific immune response as an underlying pathophysiological mechanism in Irritable Bowel Syndrome (IBS)**
Javier Aguilera-Lizarraga, Belgium

019  **Mechanisms underlying activation of colonic afferent nerves by deoxycholic acid**
Yang Yu, Canada
E. Villalobos-Hernandez, D. E. Reed

**P-09 POSTER PRESENTATION**

09:00 - 17:00  **Role of microbiome and diet**

001  **Diagnostic accuracy of tissue transglutaminase antibodies for detecting persistent villous atrophy among adult celiac disease patients on a gluten-free diet**
Roxana Maxim, Romania
A. Trifan, A. Plesa, B. Mazilu, A. Clîm, C. Zuico, C. Stanciu

002  **Proton pump inhibitor use and the risk of cholangitis: A nationwide cohort study**
Yang-Won Min, Republic of Korea

003  **Host and environmental factors influencing the expression of bacterial-derived metabolic enzymes in faeces: Potential implications for microbiota-mediated drug metabolism**
Jacinta Walsh, Ireland

004  **Association between breath hydrogen-methane and glucose tolerance in patients with acute pancreatitis**
Chang-Nyol Paik, Republic of Korea
D.-B. Kim, J.-M. Lee, Y.-J. Kim, J.-M. Yang, Y.-S. Cho

005  **Loss of NOD-like receptors impairs the microbiota-gut-brain axis in mice**
Matteo Pusceddu, USA*

006  **Comparing the effects of intragastric and intraduodenal bitter tastant administration on hunger ratings and hormone release**
Wout Verbeure, Belgium

007  **Pre-treatment blautia abundance regulates chemotoxicity in colorectal cancer patients: A pilot study**
Hannah Wardill, Australia
K. Secombe, R. Gibson, A. Stringer, N. Al-Dasooqi, B. Mayo, J. Bowen

008  **The enteric nervous system controls microbial induced inflammation by modulating intestinal motility and permeability**
Kristina Hamilton, USA*
K. Guillemin, J. Eisen

009  **Small bowel bacterial overgrowth in bariatric surgery**
Luciano Coelho, Brazil
P. Carvalho, N. Carvalho, G. Andrade de Paula

010  **Varying effects of bran, psyllium and prickly pear cactus fibre (nopal) on small intestinal water content and colonic volume demonstrated using Magnetic Resonance Imaging (MRI)**
David Gunn, United Kingdom

011  **The fecal microbial ecosystem is distinct according to bowel habit characteristics in Irritable Bowel Syndrome (IBS)**
Cesare Cremon, Italy

012  **Fiber-enriched diet may increase lower esophageal resting pressure in NERD**
Sergey Morozov, Russia
V. Isakov, M. Konovalova, V. Kropachev

013  **Escherichia coli nissle 1917 restores intestinal permeability: Implication for Irritable Bowel Syndrome (IBS)**
Daniele Fuschini, Italy
M. R. Barbaro, C. Cremon, M. Carapelle, E. Capelli, V. Stanghellini, G. Barbara

014  **The low-FODMAP diet and traditional dietary advice reduce symptoms of diarrhea-predominant irritable bowel syndrome in Chinese population: A randomized controlled trial with analysis to identify factors associated with efficacy**
Mark Fox, Switzerland
L. Zhang, N. Dai

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*LBBB participant
# Poster Presentations by Day

**Friday, 31 August 2018**

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<td><strong>P-10 POSTER PRESENTATION</strong></td>
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<tr>
<td><strong>001 Anxiety or depression in IBS: Interaction with other symptoms and pathophysiology using multivariate analyses</strong></td>
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<td>Irina Midenfjord, Sweden</td>
<td>A. Polster, H. Törnblom, M. Simrén</td>
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<td><strong>002 Altered intestinal permeability in postoperative ileus in a guinea pig model</strong></td>
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<td><strong>003 Influence of itopride and domperidone on gastric tone and on the perception of gastric distention in healthy subjects</strong></td>
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<tr>
<td>Karen van den Houte, Belgium</td>
<td>F. Carbone, A. Paouvels*, R. Vos, T. Vanuytsel, J. Tack</td>
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<tr>
<td><strong>004 Immaturity of the rectoanal inhibitory reflex as a cause for constipation in infants</strong></td>
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<td>Rob Meinds, The Netherlands</td>
<td>M. Trzpis, P. Broens</td>
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<tr>
<td><strong>005 Are there small intestinal motility disorders in Irritable Bowel Syndrome (IBS) patients?</strong></td>
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<tr>
<td>Ana María Madrid, Chile</td>
<td>M. Hevia, D. Vera</td>
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<tr>
<td><strong>006 Clinical impact of lower esophageal sphincter function on the symptom assessment of non-erosive reflux disease</strong></td>
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<td>Beom-Jin Kim, Republic of Korea</td>
<td>J. Y. Park, J.-G. Kim</td>
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<td><strong>007 The influences of visceral obesity on the erosive esophagitis and the minimal change esophagitis</strong></td>
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<td>Jae-Hak Kim, Republic of Korea</td>
<td>B. G. Kim</td>
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<td><strong>008 Efficacy of S-Pantoprazole 10 mg in the symptom control of non-erosive reflux disease: A phase III placebo-controlled trial</strong></td>
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<td>Yu-Kyung Cho, Republic of Korea</td>
<td>M.-G. Choi, C.-H. Lim, J.-C. Won</td>
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<td><strong>009 Changes of diagnosis and differences of evidence level by the Lyon consensus for gastroesophageal reflux disease</strong></td>
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<td><strong>010 The causes of refractory GORD symptoms in tertiary referral patients in Korea</strong></td>
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<td><strong>011 Colonic pseudo-obstruction with transition zone: A peculiar eastern severe dysmotility running title. Pathology and clinical outcomes of colonic pseudo-obstruction</strong></td>
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<td><strong>012 Baseline impedance measurement might be a useful tool for the diagnosis of laryngopharyngeal reflux</strong></td>
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<td>Yusuf Serdar Sakin, Turkey</td>
<td>S. Boz, J. Oors, A. J. Bredenoord, A. J. P. M. Smout</td>
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<td><strong>013 The usefulness of baseline impedance level measurement for the diagnosis of gastroesophageal reflux disease in endoscopy-negative patients with esophageal or supraesophageal symptoms</strong></td>
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<td>Kwang-Jae Lee, Republic of Korea</td>
<td>C.-K. Noh</td>
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<td><strong>014 The role of defecography on obstructed defecation syndrome</strong></td>
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<td>Joao Correia de Sousa, Portugal</td>
<td>P. Salgueiro, M. Rocha, F. Castro Poças, I. Pedroto</td>
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<td><strong>015 Association between anxiety and depression and gastroesophageal reflux disease in the general population</strong></td>
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<td><strong>016 Expression levels of tight junction proteins in Irritable Bowel Syndrome (IBS) according to the disease subtype and sex</strong></td>
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<td><strong>017 Quantification of abnormal fasting duodenal phase-3 contractions using high resolution manometry in suspected small intestinal dysmotility</strong></td>
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<td>William Hasler, USA</td>
<td>K. Harer, J. Baker</td>
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<td><strong>018 Effect of opioid type and dosing on Opioid-induced Esophageal Dysfunction (OIED)</strong></td>
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<td>Michael Crowell, USA</td>
<td>D. Snyder, J. Horsley-Silva, F. C. Ramirez, D. Fleischer, M. Vela</td>
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<td><strong>019 Insufficient Rome III criteria to diagnose pure functional abdominal pain: The need of ruling out chronic abdominal wall pain</strong></td>
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<td><strong>020 The socioeconomic burden of IBS in a Dutch population</strong></td>
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*LBBB participant*
021 Not only duodenal but also jejunal mucosal integrity are impaired in patients with functional dyspepsia: A study using small bowel HRM/impedance
Kenichiro Nakagawa, United Kingdom
E. Yazaki, Q. Aziz, D. Sifrim

022 Pepsin and pH levels of human gastric juices in gastroesophageal reflux disease subgroups and functional heartburn
Pelin Ergun, Turkey
S. Kipcak, P. W. Dettmar, A. Woodcock, S. Bor

023 Efficacy of the slow nutrient drink test as minimally invasive method to evaluate accommodation in Japanese patients with functional dyspepsia
Hisako Kameyama, Japan
T. Masaoka, S. Kitazawa, T. Watanabe, T. Mizuno, Y. Yamamoto, T. Yamane, T. Kanai

024 Long-term bowel dysfunction after surgery for colorectal cancer
Sanne Verkuijl, The Netherlands
M. Trzpis, E. J. B. Furnée, P. M. A. Broens

025 Nausea in patients with IBS and functional dyspepsia
Elisabeth Kjelsvik Steinsvik, Norway
J. Valeur, T. Hausken, O. H. Gilja

026 Outcomes of children with non-erosive reflux disease categorized by Rome IV criteria
Neellesh Tipnis, USA
T. Ciecierega

027 History of vaginal delivery independently predicts increased risk of dyssynergic defecation in women with constipation
Namisha Thapa, USA
W. Cho, A. Goldin, L. Horton, E. Mitten

028 Effect of advanced diagnosis modalities and disease phenotypes on PPI response of gastroesophageal reflux disease
Nilay Danis, Turkey
S. Bor

029 Gastroesophageal reflux symptoms in treated achalasia are not reflux-related but associated with acid hypersensitivity
Fraukje Ponds, The Netherlands
J. M. Oors, A. J. P. M. Smout, A. J. Bredenoord

030 Clinical and manometric characteristics of Hypercontractile Esophagus (Chicago 3.0) at a university hospital in Bogotá, Colombia
Claudia Zuluaga Serna, Colombia

031 Psychosocial determinants of rifaximin adherence for the treatment of diarrhea-predominant Irritable Bowel Syndrome (IBS)
Leeanne Sherwin, USA
P. Krisanabud, C. Deroche, M. Matteson-Kome, T. Ruppert

032 Diagnostic advantage of measuring methane gas excretion during the glucose breath test for the assessment of small intestinal bacterial overgrowth
Richard Saad, USA
J. Baker, W. Chey, B. Nojkov, A. Lee

033 „Bubbling“ in the chest: One case of secret supragastric belching
Mariia Ovsepian, Russia
E. Barkalova, I. Maev, Y. Kucheryavyy, D. Andreev

034 Morphological changes and disorders in gastrointestinal motility in experimental models of diabetes mellitus
Juliana Fernandes de Matos, Brazil
M. F. Américo, Y. K. Sinzato, D. C. Damasceno, M. Dal-Pai, J. R. de Arruda Miranda

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P-11 POSTER PRESENTATION
09:00–17:00 Ruby Lounge

001 Relationship between duodeno-gastric reflux in myocardial perfusion scintigraphy and GI symptoms
Elijah Verheyen, USA
I.-J. Paik, J. Abed, E. DePuey, D. Casteneda

002 Relationship between pressure values of high resolution manometry and distensibility of EndoFLIP in the function of esophagogastric junction
Shin-Hee Kim, Republic of Korea
J.-H. Shin, S.-J. Hong, I.-K. Yoo, J.-Y. Cha, S.-P. Hong, Y.-N. Lee

003 EGJ distensibility decreases in the post-operative period following surgical myotomy for achalasia
Ryan J. Campagna, USA

004 The value of the defecation index in constipated patients without dyssynergia based on anorectal manometry
Daniella Assis, USA
E. Stein, T. Abdi, A. Kalloo
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<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Author(s)</th>
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<tr>
<td>005</td>
<td>Contractions of human colonic smooth muscle as a bioassay of neuromyopathy in critical illness</td>
<td>Robert Patejd, Germany</td>
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<td>T. Noack, F. Klawitter, J. Ehler</td>
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<td>006</td>
<td>Intraoperative assessment of the responses of lower oesophageal sphincter pressure and the frequency of gastroesophageal reflux to artificial pneumoperitoneum in patients receiving laparoscopic surgeries</td>
<td>Chih-Jun Lai, Taiwan</td>
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<td>Y.-J. Cheng</td>
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<td>007</td>
<td>CLARITY and three-dimensional (3D) imaging of the mouse and porcine colonic innervation</td>
<td>Pu-Qing Yuan, USA</td>
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<td>L. Wang, M. Mulugeta, Y. Taché</td>
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<td>008</td>
<td>Pressure flow analysis of viscous bolus media provides novel insights into bolus perception</td>
<td>Charles Cock, Australia</td>
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<td>A. Barnes, T. Omari</td>
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<td>009</td>
<td>High Resolution Perfusion Anorectal Manometry (HRPAM): Validation of a Brazilian system</td>
<td>Ricardo Viebig, Brazil</td>
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<td>J. Franco, S. Araujo, D. Gualberto</td>
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<td>010</td>
<td>Longitudinal outcomes on prokinetic drugs in suspected gastroparesis relating to delayed gastric emptying on scintigraphy vs. wireless motility capsule testing</td>
<td>Baharak Moshiree, USA</td>
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<td>011</td>
<td>Simulated evacuation of high resolution anorectal manometry with or without rectal balloon distension</td>
<td>Joon-Seong Lee, Republic of Korea</td>
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<td>012</td>
<td>Demographic, clinical and manometric features of a cohort of Chilean patients with Achalasia diagnosed in the high resolution era</td>
<td>Claudia Defilippi, Chile</td>
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<td>M. Hevia</td>
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<td>013</td>
<td>Achalasia with normal integrated relaxation pressure</td>
<td>Valeria Kaibysheva, Russia</td>
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<td>A. Gasanov, A. Smirnov, E. Fedorov, S. Shapovaliantc</td>
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<td>014</td>
<td>Additional simulated defecation procedure might facilitate management in constipation patients with discordant anorectal function tests results</td>
<td>Tanisa Patcharatrakul, Thailand</td>
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<td>S. Gonlachanvith</td>
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<td>015</td>
<td>A low proximal esophageal basal impedance does not predict the presence of extra-esophageal manifestations of gastroesophageal reflux disease</td>
<td>Thomas Zikos, USA*</td>
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<td>016</td>
<td>Automated analysis and quantification of high-resolution colonic manometry data</td>
<td>Niranchan Paskaranandavadivel, New Zealand</td>
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<td>S. Sathar, A. Lin, I. Bissett, L. Cheng, G. O’Grady</td>
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<td>017</td>
<td>Mean nocturnal baseline impedance correlates with abnormal pharyngeal reflux events in patients with suspected laryngopharyngeal reflux</td>
<td>Jennifer Cai, USA</td>
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<td>W. Chan, L. Borges, K. Hathorn, T. Carroll, N. Feldman</td>
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<td>018</td>
<td>The role of high-resolution manometry for the diagnosis of GERD</td>
<td>Young-Hee Choe, Republic of Korea</td>
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<td>C.-H. Lim, Y.-K. Cho</td>
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<td>019</td>
<td>Development of a real-time patient-reported outcome measure for symptom assessment in patients with functional dyspepsia using the experience sampling method</td>
<td>Fabiënne Smeets, The Netherlands</td>
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<td>020</td>
<td>A smartphone application for symptom assessment and data collection in medical trials: Example from an IBS drug intervention trial</td>
<td>Zsa Zsa Weerts, The Netherlands</td>
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<td>A. Quanjel, L. Vork, D. Jonkers, A. Masclée, D. Kesztthelyi</td>
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<td>021</td>
<td>Postreflux swallow-induced peristaltic wave index and mean nocturnal baseline impedance are decreased in GERD patients with Barrett’s esophagus</td>
<td>Vikram Rangan, USA</td>
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<td>W. Chan, W.-K. Lo, N. Feldman</td>
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<td>022</td>
<td>Reflux Symptom Index (RSI) score independently correlates with esophageal hypomotility in patients with suspected Laryngopharyngeal Reflux (LPR) symptoms</td>
<td>Lawrence Borges, USA</td>
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<td>W. Chan, S. Salgado, K. Hathorn, T. Carroll, N. Feldman</td>
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<td>023</td>
<td>Effect of acute stress on gastroesophageal reflux disease and functional heartburn</td>
<td>Sezgi Kipcak, Turkey</td>
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<td>I. Polat, A. S. Gonul, S. Bor</td>
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*LBBB participant*
Transcutaneous electrogastrography: Normal parameters in Brazilian population
Nayara Carvalho, Brazil
P. Carvalho, T. Rodriguez, R. Barbuti, G. Andrade de Paula

Concurrent abnormal non-acid reflux is associated with chronic rejection in lung transplant patients with acid reflux on pre-transplant testing
Wai-Kit Lo, USA
W. Chan, H. Goldberg

Baseline impedance on high-resolution esophageal impedance-manometry is associated with non-elective hospitalization after lung transplantation
Wai-Kit Lo, USA
W. Chan, H. Goldberg

Abnormal pharyngeal reflux on combined hypopharyngeal-esophageal impedance-pH monitoring predicts abnormal Laryngopharyngeal Reflux (LPR)
Sanjay Salgado, USA
W. Chan, L. Borges, K. Hathorn, T. Carroll

pH-impedance monitoring identifies clinically significant reflux disease following lung transplantation not seen with conventional pH testing
Trina Kellar, Australia

How do auricular neuro-stimulations alter gastric bioelectrical slow waves?
Peng Du, New Zealand
A. Sukasem, Y. Cakmak

POEM for non-achalasia esophageal motility disorders
Sung-Pyo Hong, Republic of Korea
W.-H. Kim, I.-K. Yoo, J.-Y. Cho

Experiences and anesthetic considerations of peroral endoscopic myotomy for esophageal achalasia performed in an endoscopy suite setting
Ping-Huei Tseng, Taiwan

Mesenchymal stem cell therapy in chronic colitis: Potential therapeutic mechanisms in alleviating oxidative stress and enteric neuropathy
Rhian Stavely, Australia*
A. Robinson, R. Filippone, A. Rahman, S. Sakkal, K. Nurgali

Cleansing enema for constipation in hospitalized patients of tertiary hospitals: A multicenter retrospective study
Jung-Wook Kim, Republic of Korea

Effect of stool consistency on bowel movement satisfaction in patients with Irritable Bowel Syndrome with constipation or chronic idiopathic constipation: results from the CONTOR study
Douglas C.A. Taylor, USA

The effects of prolonged dosage of delta opioid receptor agonists on colonic motility in the mouse: Analgesics without GI motility-associated side effects?
Jesse Dicello, Australia
A. Saito, R. McQuade, B. Sebastian, M. Canals, S. Carbone, D. Poole

Peroral endoscopic myotomy for benign esophageal stricture: A case report
Tian Yang, China
G. Xu, L. Wang, N. Zhang, X. Zou

Efficacy and safety of AlbisD® in patients with nonerosive reflux disease: A randomized, open-label, active-controlled, pilot study compared with omeprazole 20 mg
Sang-Pyo Lee, Republic of Korea

Results of Peroral Endoscopic Myotomy (POEM) in children with achalasia: Results of literature review
Marinde van Lennep, The Netherlands
M. Singendonk, M. van Wijk, T. Omari, M. Benninga

Efficacy and safety of DWJ1252 in the treatment of functional dyspepsia: A multicenter, randomized, double-blind, active-controlled study compared with Gasmotin®
Kang-Nyeong Lee, Republic of Korea

Effectiveness of botulinum toxin A injection for the patients with dysphagia due to decreased relaxation time of upper esophageal sphincter
Jung-Heon Park, Republic of Korea
C.-I. Sohn

Dimethyl fumarate versus hemin for the induction of heme oxygenase 1 as treatment strategy for murine postoperative ileus
Jonas van Dingenen, Belgium
R. A. Lefebvre

*LBBB participant
**Poster Presentations by Day**

**Friday, 31 August 2018**

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<tr>
<th>Poster Number</th>
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<th>Authors</th>
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<tr>
<td>014</td>
<td>STW 5 is effective in functional dyspepsia symptoms</td>
<td>Vincenzo Stanghellini, Italy, S. Rabini, M. Wargenau</td>
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<td>015</td>
<td>A medical device containing xyloglucan, pea protein reticulated with tannins and xylo-oligosaccharides, for the control of symptoms of patients with diarrhea predominant Irritable Bowel Syndrome (IBS)</td>
<td>Enrique Rey, Spain, N. Piqué, B. Serrano Falcón</td>
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<td>016</td>
<td>Efficacy and safety of pneumatic dilation in achalasia: A systematic review and meta-analysis</td>
<td>Froukje van Hoeij, The Netherlands, L. Prins, A. J. Bredenoord, A. J. P. M. Smout</td>
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<td>018</td>
<td>Effects of BST104, an extracts of lonicera japonica, on functional dyspepsia in animal models</td>
<td>Byoung-Wook Bang, Republic of Korea, E.-J. Ko, H.-K. Kim, Y.-W. Shin, K.-S. Kwon</td>
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<td>019</td>
<td>Domperidone treatment does not significantly prolong QTc interval: A large single center study</td>
<td>Justin Field, USA, M. Krazewski, R. Bhuta, Z. Malik, J. Cooper, H. Parkman, R. Schey</td>
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<td>020</td>
<td>Synergy: A key to the treatment of functional GI diseases</td>
<td>Olaf Kelber, Germany, K. Nieber</td>
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<td>021</td>
<td>A randomized controlled study on the effects of curcuminoid on Intestinal Permeability (IP) evaluated by urine Lactulose Mannitol Ratio (LMR) after Aspirin ingestion</td>
<td>Panyavee Pitisuttithum, Thailand, T. Pitcharatrakul, S. Gonlachanvit, D. Werawatganon</td>
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<td>022</td>
<td>Real world experience of naloxegol in treating opioid induced constipation</td>
<td>Adam Farmer, United Kingdom, J. Ruffele*, C. Bruckner Holt</td>
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<td>023</td>
<td>Evaluating why and when patients discontinue chronic therapy for IBS with constipation and chronic constipation: A real-world experience</td>
<td>Eric Shah, USA, S. Suresh, J. Jou, W. Chey, R. Stidham</td>
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<td>024</td>
<td>Anorectal function in Malaysian children with Hirschsprung disease after definitive surgery: An academic hospital experience</td>
<td>Yee Ian Yik, Malaysia, Y. W. Koay</td>
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<td>027</td>
<td>Effects of dexrabeprazole on intragastric and intravesophageal acidity in gastroesophageal reflux disease</td>
<td>Serhat Bor, Turkey, M. Bektas</td>
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<td>028</td>
<td>A meta-analysis on the cardiac safety profile of domperidone compared to metoclopramide</td>
<td>Serhat Bor, Turkey, M. Demir, O. Ozdemir, K. Yuksel</td>
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<tr>
<td>029</td>
<td>Dysphagia due to esophageal peptic stricture from an inlet patch in a child treated with balloon dilation and Argon plasma coagulation</td>
<td>Vibha Sood, USA, N. Santucci, K. El-Chammas, A. Kaul</td>
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<td>031</td>
<td>Targeting CCR3-eotaxin axis alleviates gastrointestinal dysfunction in the Winnie Murine Model of spontaneous chronic colitis</td>
<td>Rhiannon Filippone, Australia, R. Stavelley*, V. Apostolopoulos, K. Nurgali</td>
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*LBBB participant*
Floorplan RAI Amsterdam
Overview of Meeting Rooms

Ground Floor

First Floor
General Information

Congress Venue
RAI Amsterdam Exhibition & Convention Centre
Europaplein 2-22
1078 GZ Amsterdam, The Netherlands

The main entrance for the congress is Entrance E.

Congress Registration Counter
All congress materials and documentation will be available at the congress registration counter located in the Forum Lounge on the ground floor. The congress staff will be pleased to help you with all enquiries related to the meeting.

Opening Hours
Wednesday, 29 August 2018  07:30 – 17:00
Thursday, 30 August 2018 07:30 – 18:00
Friday, 31 August 2018  07:00 – 18:00
Saturday, 1 September 2018  08:00 – 13:00

Registration Fees
➤ Registration fee for Postgraduate Course on Wednesday, 29 August 2018 includes:
  • Admission to Postgraduate Course
  • Final Programme
  • Morning and afternoon coffee break

➤ Registration fee for Scientific Meeting from Thursday, 30 August 2018 to Saturday, 1 September 2018 includes:
  • Admission to all scientific sessions
  • Admission to poster exhibition and technical exhibition
  • Congress material (delegate bag, final programme, etc.)
  • Coffee breaks on Thursday, Friday and Saturday
  • Admission to the Get-Together on Thursday evening

➤ Registration fee for Package Postgraduate Course and Scientific Meeting from Wednesday, 29 August 2018 to Saturday, 1 September 2018 includes:
  • Admission to Postgraduate Courses and all scientific sessions
  • Admission to poster exhibition and technical exhibition
  • Congress material (delegate bag, final programme, etc.)
  • Coffee breaks on Thursday, Friday and Saturday
  • Admission to the Get-Together on Thursday evening

On-Site Registration
Participants who would like to register on-site are advised to arrive early. On-site registration does not necessarily entitle the participants to receive a delegate bag and/or other congress material. On-site registration will be handled upon first come, first served basis, priority will be given to pre-registered delegates.

Certificate of Attendance and CME Accreditation
The FNM 2018 – 3rd Meeting of the Federation of Neurogastroenterology and Motility and postgraduate Course on Gastrointestinal Motility, Amsterdam, The Netherlands, 29 August – 1 September 2018 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME®) with 21 European CME credits (ECMEC®s). Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

Through an agreement between the Union Européenne des Médecins Spécialistes and the American Medical Association, physicians may convert EACCME® credits to an equivalent number of AMA PRA Category 1 CreditsTM. Information on the process to convert EACCME®credit to AMA credit can be found at the AMA Website.

Live educational activities, occurring outside of Canada, recognised by the UEMS-EACCME® for ECMEC®s are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada.

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<tr>
<th>Registration fees</th>
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<th>Scientific Meeting</th>
<th>PACKAGE Postgraduate Course and Scientific Meeting</th>
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<td><strong>Members of ESNM, ANMS, ANMA, ANGMA and SLNG</strong></td>
<td>EUR 210</td>
<td>EUR 600</td>
<td>EUR 700</td>
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<tr>
<td><strong>Non-Members</strong></td>
<td>EUR 240</td>
<td>EUR 650</td>
<td>EUR 750</td>
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<tr>
<td><strong>Residents, Post-Doctoral Fellows, Trainees</strong></td>
<td>EUR 105</td>
<td>EUR 300</td>
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* A certificate from the supervisor or head of department must be forwarded together with the registration.
General Information

The following European CME credits will be certified:

- 29 August 2018: 6 credits
- 30 August 2018: 6 credits
- 31 August 2018: 6 credits
- 1 September 2018: 3 credits

A certificate of attendance along with CME credits can be requested online at www.fnm2018.org between 3 September and 31 December 2018.

Please note that attendance and full payment will be audited and an evaluation of the congress will be required in order to receive CME credits.

Congress Language
The official language of the FNM 2018 Meeting is English. Simultaneous translation will not be provided.

Abstracts
All accepted abstracts are published in Neurogastroenterology and Motility, the official online journal of the European Society of Neurogastroenterology and Motility.

Please access the NMO online journal at: https://onlinelibrary.wiley.com/toc/13652982/2018/30/S1

Furthermore all abstracts are available on the congress website www.fnm2018.org and in the FNM 2018 App.

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For the FNM 2018 Meeting the web based congress information system CO CONGRESS ONLINE® has been installed: www.fnm2018.org.

CO CONGRESS ONLINE® offers an extensive congress service and provides you with information on:

- Updated scientific programme
- Programme by day
- Programme by session type
- Postgraduate Course Programme
- Programme search
- Personal programme
- List of exhibitors and sponsors
- General congress information
- Private mailbox

Programme Changes
The organisers cannot assume liability for any changes in the congress programme due to external or unforeseen circumstances.

Speakers Center
The Speakers Center is located in room E103. Speakers are asked to hand in their flash drive, containing the PowerPoint presentation (IBM format or compatible, no multisession) preferably one day before their presentation but at least 90 minutes prior to the presentation. The presentation will be transferred to the central meeting server and will be available afterwards on a dedicated meeting notebook in the room of the presentation.

Due to time and technical reasons we kindly ask the speakers not to use their own notebook. Several PC working stations are provided in the Speakers Center where speakers can also work on their PC charts in a quiet area. Technical staff will be glad to assist.

Opening Hours
- Wednesday, 29 August 2018: 07:30 – 17:00
- Thursday, 30 August 2018: 07:30 – 17:00
- Friday, 31 August 2018: 07:00 – 18:00
- Saturday, 1 September 2018: 08:00 – 13:00

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You can download the App at:

The FNM 2018 App is powered by GLOBIT GmbH in cooperation with esanum GmbH.

Should you not have downloaded the FNM 2018 App prior to the congress and would like to download it on-site, please do so in the Forum Lounge where you can benefit from the strongest WiFi signal.
General Information

WiFi
As a courtesy to all participants WiFi allows easy access to the internet.

Please select:
WiFi network (SSID): FNM 2018
Password: fnm2018meeting

Name Badges
All participants are kindly requested to wear their name badge at all times during the meeting. The colours of the name badge have the following significance:

- Faculty
- Congress participant
- Postgraduate Course Participant
- Postgraduate Course and Congress Participant
- Press
- Exhibitor
- Staff

Poster Exhibition
Posters will be on display in the Ruby Lounge on the first floor from Thursday, 30 August to Saturday, 1 September 2018. The daily poster sessions offer an effective forum for the exchange of information and a means to communicate ideas, research and programmes.

Opening Hours
Thursday, 30 August 2018  09:00 – 17:00
Friday, 31 August 2018  09:00 – 17:00
Saturday, 1 September 2018  09:00 – 13:00

Poster Presentations
Poster authors are required to be available for questions and further information at their poster board according to the following schedule.

P-01 – P-06
Thursday, 30 August 2018  12:30 – 14:00
P-07 – P-12
Friday, 31 August 2018  12:30 – 14:00

Posters will be changed in the evening of Thursday, 30 August 2018.

Mounting
P-01 – P-06
Thursday, 30 August 2018  08:00 – 09:00
P-07 – P-12
Friday, 31 August 2018  08:00 – 09:00

Removal
P-01 – P-06
Thursday, 30 August 2018  17:00 – 18:00
P-07 – P-12
Saturday, 1 September 2018  13:00 – 13:30

Posters that have not been removed by the respective time will be disposed of.

Poster material to put up the posters is available at the registration counter in the Forum Lounge.

Technical Exhibition
The technical exhibition is taking place in the Forum Lounge on the ground floor where coffee will be offered during the breaks.

Opening Hours
Thursday, 30 August 2018  09:00 – 17:00
Friday, 31 August 2018  09:00 – 17:00
Saturday, 1 September 2018  09:00 – 13:00

ESNM and ANMS Membership Issues
For ESNM and ANMS membership issues and any other business regarding these societies, please contact their booths which are located in the exhibition area in the Forum Lounge.

Coffee Breaks
Coffee breaks are included in the registration fee and will take place in the Forum Lounge on the ground floor.

Coffee and tea will be served during the morning and afternoon, daily on Wednesday, 29 August (only for participants who are attending the Postgraduate Course), on Thursday, 30 August and Friday, 31 August as well as on Saturday morning, 1 September 2018.

Coffee Bar
Refreshments and snacks can be bought at the coffee bar in the Forum Lounge on the ground floor.

Get-Together
All participants of FNM 2018 are cordially invited to attend the Get-Together event, which will be held on Thursday, 30 August, from 20:00 onwards. The gathering will take place at StrandZuid, Europaplein 22, 1078 GZ Amsterdam, directly behind the RAI Amsterdam Convention Centre. There will be drinks and some finger food but a meal will not be provided.

To get access participants need to show their congress badge. Accompanying persons (maximum of one per registered FNM 2018 attendee) can be admitted after handing over EUR 20 (cash only!) at the entrance of StrandZuid.
General Information

Cloakroom
A cloakroom is available in the Forum Lounge.
- Fee per clothing: EUR 2
- Fee per luggage: EUR 3.50

Car Park
The multi-storey car park at the RAI is easily accessible thanks to its location next to the A10 highway by Exit 9 and has 2,500 parking spaces. The fee is EUR 24 per 24 hours. For more information, please check the RAI website www.rai.nl.

Emergency and First Aid
In case of emergency, please address the staff at the congress registration counter. The attentive staff will be pleased to help.

Kids@FNM 2018
Unfortunately, children can neither be allowed in the scientific sessions nor in the technical exhibition, as the FNM 2018 Meeting is a congress for health professionals.

Recording
According to the European law, it is only permitted to record and to film lectures subject to the explicit consent of the lecturer. If the required consent was not given, we ask you to refrain from recording the lecture. Any infringements can have legal consequences.

Insurance
The congress fee does not include insurance. All participants should arrange for their own insurance. Health and accident insurance is recommended and has to be purchased in your country of origin.

General Conditions for FNM participants
Information can be found on the website:
https://www.fnm2018.org/general-conditions.html

City of Amsterdam
Welcome to Amsterdam – town with fan-shaped canals, city where Spinoza and Descartes once lived, place of free thinkers and merchants, town with metropolitan features, attractive destination for young people. Its rich and poignant history can be admired during a boat ride in its 17th century circular canals (Unesco World Heritage), at the Anne Frank House, the Rijksmuseum, the van Gogh Museum and, conveniently around the corner, the Stedelijk Museum.

Amsterdam will impress with its modernity among history and its notorious tradition of not being traditional. Long ago, the government deemed it safer to rule from The Hague. But like everybody likes to be in Amsterdam, even the Monarch has its own residence in town.

How to get around
If you arrive at Schiphol airport you can take a sprinter stopping train directly to RAI Amsterdam Station, which is adjacent to the exhibition centre. The train runs frequently and the trip takes just over 10 minutes – RAI is the second stop from Schiphol just after Amsterdam Zuid Station.

To travel between RAI Amsterdam and Amsterdam centre you can take Amsterdam metro line 51 or 52. Both lines connect the RAI Amsterdam with the Central Station.

Taxis
Taxis are available in front of the RAI near Entrance C. Other than that, taxis can be called, hailed on the street or found at one of more than 50 official taxi ranks located around the city. Please note that not all taxis accept credit cards. The ranks, identifiable by blue boards, can be found near tourist spots such as the Dam, Leidseplein and Rembrandtplein. Space in the city centre is limited, taxis cannot stop anywhere they like. To keep traffic flowing in the city at peak efficiency, stopping is not allowed at various places.
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Paulsborner Str. 44
14193 Berlin, Germany
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HAMBURG
Zum Ehrenhain 34
22885 Barsbüttel, Germany
Phone: +49 – (0)40 – 67 08 82-0
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The organisers of the FNM 2018 Meeting gratefully acknowledge the support of the following companies (as per 1 August 2018).

Sponsors and Exhibitors
- Biocodex
- Diversatek Healthcare
- Dr. Falk Pharma GmbH
- LABORIE
- Medtronic
- Noventure S.L
- The Rome Foundation

List of Exhibitors

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Exhibition Plan
Industry Sponsored Sessions

Wednesday, 29 August 2018

**IS-1 INDUSTRY SPONSORED SESSION**
16:30 – 18:00  Forum
Oesophageal and anorectal function tests
Case-based discussions on GI physiology tests
Chair: Arjan Bredenoord, The Netherlands
Panel
Rueben Wong, Singapore
John Pandolfini, USA
Emma Carrington, UK
Prakash Gyawali, USA

Supported by an educational grant from Laborie, Diversatek and Medtronic.

**Thursday, 30 August 2018**

**IS-2 INDUSTRY SPONSORED SESSION**
17:45 – 18:45  E102
Microbiota modulation in sensory-motor disorders of the gastrointestinal tract
Chair: Vincenzo Stanghellini, Italy

001 Microbiota and gut dysfunction: a bidirectional interplay
Magnus Simrén, Sweden

002 Microbiota modulation: strategies and clinical evidence
Giovanni Barbara, Italy

Supported by an educational grant from Alfasigma.

Friday, 31 August 2018

**IS-3 INDUSTRY SPONSORED SESSION**
12:30 – 14:00  E102
Irritable Bowel Syndrome and the Gut Microbiota – implications for pathophysiology and management
Chair: Jean-Marc Sabaté, France

001 IBS pathophysiology: how is it relevant to our patients?
Magnus Simrén, Sweden

002 Stress and anxiety in IBS: implications for presentation, natural history and management
Paul Enck, Germany

003 Gut microbiota and the host response in IBS – from basic science to therapy
Eamonn Quigley, Ireland

Supported by an educational grant from Biocodex and Alimentary Health.

Visit the Technical Exhibition
Forum Lounge

Thursday, 30 August 2018  09:00 – 17:00
Friday, 31 August 2018  09:00 – 17:00
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NeuroGASTRO 2019
Biennial Meeting of the European Society of Neurogastroenterology and Motility
September 5th to 7th, 2019
Centro Cultural de Belém Lisbon, Portugal

Hosting Society
ESNM – European Society of Neurogastroenterology & Motility
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Congress and Exhibition Office
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Congress, Meeting & Event Management
T: +351 21 842 97 10
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www.neurogastro2019.org
**RESOLOR® (prucalopride)**

**ABBREVIATED PRESCRIBING INFORMATION**

(Before prescribing please consult the Summary of Product Characteristics (SmPC))

**Product Name:** Resolor 1 mg film-coated tablets. **Indication:** Resolor is indicated for symptomatic treatment of chronic constipation in adults in whom laxatives fail to provide adequate relief.

**Dose and Administration:**
- **Adults:** 2 mg once daily with or without food, at any time of the day. **Other people:** (65 years):
  - Start with 1 mg once daily, if needed, the dose can be increased to 2 mg once daily. **Patients with renal impairment:** The dose for patients with severe renal impairment (GFR < 30 ml/min/1.73 m²) is 1 mg once daily. No dose adjustment is required for patients with mild to moderate renal impairment.
  - Patients with hepatic impairment: Patients with severe hepatic impairment (Child-Pugh class C) start with 1 mg once daily which may be increased to 2 mg if required to improve efficacy and if the 1 mg dose is well tolerated. No dose adjustment is required for patients with mild to moderate hepatic impairment. Prucalopride containing Resolor should not be used in children and adolescents younger than 18 years.

**Contraindications:** Hypersensitivity to the active substance or to any of the excipients. Renal impairment requiring dialysis, intestinal perforation or obstruction due to structural or functional disorder of the gut wall, obstructive ileus, severe inflammatory conditions of the intestinal tract, such as Crohn’s disease, and obstructive jaundice and toxic megacolon/megarectum.

**Warnings and precautions:**
- Caution should be exercised when prescribing Resolor to patients with severe hepatic impairment (Child-Pugh class C). Limited data in patients with severe hepatic impairment. The safety and efficacy of Resolor for use in patients with severe and clinically unstable concomitant disease (e.g. cardiac, respiratory, or hepatic disease, or AIDS) has not been established in controlled clinical trials. Caution should be exercised when prescribing Resolor to patients with these conditions, especially when using patients with a history of arrhythmias or ischemic cardiovascular disease. In case of severe diarrhoea, the efficacy of oral contraceptives may be reduced and the use of an additional contraceptive method is recommended to prevent possible failure of oral contraception. The tablets contain lactose. Patients with galactose intolerance, Lapp lactase deficiency or glucose-galactose malabsorption should not take Resolor.

**Fertility, Pregnancy and Lactation:**
- **Women of childbearing potential:** Women of childbearing potential should use effective contraception during treatment with prucalopride.
- **Pregnancy:** Experience with prucalopride during pregnancy is limited. Cases of spontaneous abortion have been observed during clinical studies, although, in the presence of other risk factors, the relationship to prucalopride is uncertain. Animal studies do not indicate direct or indirect harmful effects with respect to pregnancy, embryonic/foetal development, parturition or postnatal development (see section 5.3). Resolor is not recommended during pregnancy.
- **Breastfeeding:** Prucalopride is excreted in breast milk. However, therapeutic doses of Resolor, no effects on breastfed neonates infants are anticipated, in the absence of human data, it is not recommended to use Resolor during breast-feeding. **Fertility:** Animal studies indicate that there is no effect on male or female fertility.

**Interactions:**
- Prucalopride has a low pharmacokinetic interaction potential. Although prucalopride may be a weak substrate for P-glycoprotein (P-gp), it is not an inhibitor of P-gp at clinically relevant concentrations. Studies did not show a clinically relevant effect of prucalopride on the pharmacokinetics of warfarin, digoxin, alcohol, paroxetine or oral contraceptives.
- **Undesirable Effects:** In an integrated analysis of 17 double-blind placebo-controlled studies, Resolor was given orally to approximately 3,300 patients with chronic constipation. Of these, over 1,500 patients received Resolor at the recommended dose of 2 mg per day, while approximately 1,350 patients were treated with 4 mg prucalopride daily. The most frequently reported adverse reactions associated with Resolor 2 mg therapy were headache (17.8%) and gastrointestinal symptoms (abdominal pain (13.7%), nausea (13.7%) and diarrhoea (12.0%). The adverse reactions occur predominantly at the start of therapy and usually disappear within a few days with continued treatment. Other adverse reactions have been reported occasionally. The majority of adverse events were mild to moderate in intensity. **Very common (≥1/10):** adverse reactions include headache, nausea and diarrhoea. Specific treatment is not available for Resolor overdose. Should an overdose occur, the patient should be observed for other supportive measures instituted, as required. Extensive fluid loss by diarrhoea or vomiting may require correction of electrolyte disturbances.

**Marketing Authorisation Holders:**
- Shire Ireland Limited, 92-96 Miesian, Plaza 50 – 58 Baggot Street Lower, Dublin 2, Ireland.

**Further information is available on request.**

**Adverse Events should be reported to Shire:**
- drugssafety@shire.com

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**Motility matters in chronic constipation**

Shire is committed to Gastroenterology

About Shire GI

Shire has a long-standing heritage in gastrointestinal (GI) conditions. With a rich and diversified portfolio, we seek to transform the outlook of patients living with rare and hard to treat GI conditions by helping to address unmet needs.

For more than 10 years, we have made a continued commitment to the GI community, and to cultivating a deep in-house expertise in the category. Through a growing pipeline, Shire aims to extend its GI portfolio to new indications and therapeutic areas to meet the needs of adult and pediatric patients living with rare and specialized GI conditions.