

FNM 2018

3rd Meeting of the Federation of Neurogastroenterology and Motility
and Postgraduate Course on Gastrointestinal Motility

29 August – 1 September 2018

RAI Amsterdam Convention Centre | The Netherlands



Final Programme

www.fnm2018.org

Congress Venue

RAI Amsterdam Convention Centre
Europaplein 2 – 22
1078 GZ Amsterdam, The Netherlands

Host Organisation

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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.



Giovanni Barbara



Paul Enck



André Smout



Arjan Bredenoord

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

President

Giovanni Barbara, Italy

ESNM

Arjan Bredenoord, The Netherlands

Roberto de Giorgio, Italy

David Grundy, United Kingdom



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

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



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.

Scientific Information

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:

per day	CME credits
29 August 2018	6
30 August 2018	6
31 August 2018	6
1 September 2018	3

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



Room ▶ Time ▼	Forum	Forum Lounge
07:30		
08:00		
08:30	PGC-1 Session 1	REGISTRATION 07:30 – 17:00
09:00		
09:30		
10:00		
10:30	 <i>Coffee Break</i>	
11:00	PGC-2 Session 2	
11:30		
12:00		
12:30	<i>Break</i>	
13:00		
13:30	PGC-3 Session 3	
14:00		
14:30		
15:00	 <i>Coffee Break</i>	
15:30	PGC-4 Session 4	
16:00		
16:30	IS-1 Please see page 50	
17:00		
17:30		
18:00		

Abbreviations

PGC	Postgraduate Course
PL	Plenary Session
PA	Parallel Session A-Basic Sessions B-Translational Sessions C- Clinical Sessions
SY	Symposium
P	Poster Session
IS	Industry sponsored Session



Scientific Programme – Overview

Thursday, 30 August 2018

Room ▶ Time ▼	Forum	E102	E104/105	Forum Lounge	Ruby Lounge	Forum Lounge			
07:30									
08:00									
08:30	PL-1 Opening Ceremony One hundred years of peristalsis			EXHIBITION 09:00 – 17:00	POSTER EXHIBITION 09:00 – 17:00 P-01 – P-06	REGISTRATION 07:30 – 18:00			
09:00									
09:30									
10:00									
10:30		 Coffee Break							
11:00	PL-2 Advances in achalasia								
11:30									
12:00									
12:30			Room E106 12:30 – 13:20 ESNM Steering Committee Meeting						
13:00		Break	13:20 – 14:00 ESNM General Assembly						
13:30									
14:00	PA-1A Epithelial biology in NGM	PA-1B Nausea	PA-1C Pediatric functional GI and motility disorders						
14:30									
15:00									
15:30		 Coffee Break							
16:00	PA-2A Neurodevelopment	PA-2B Mechanisms and treatment of gas and bloating	PA-2C GERD						
16:30									
17:00									
17:30									
18:00		IS-2 Please see page 50							
18:30									
20:00	20:00 Get-Together at "StrandZuid"								

Scientific Programme – Overview

Friday, 31 August 2018

Room ▶ Time ▼	Forum	E102	E104/105	Forum Lounge	Ruby Lounge	Forum Lounge
07:30		SY-1 The NGM training curriculum: ...	SY-2 Highlights of LBBB			
08:00						
08:30	PA-3C Therapeutic advances in FGIDs	PA-3B Functional aspects of host-microbiome interactions	PA-3A Optogenetic control of gut function			
09:00						
09:30						
10:00						
10:30	 <i>Coffee Break</i>					
11:00	PA-4C Food components triggering GI symptoms	PA-4A Chemosensation and EC cells	PA-4B Infection, inflammation and FGIDS			
11:30						
12:00						
12:30		IS-3 Please see page 50				
13:00	<i>Break</i>		<i>Break</i>			
13:30						
14:00	PA-5A Satiety regulation and obesity	PA-5B Chronic intestinal pseudo-obstruction	PA-5C Integrated systems approach in IBS			
14:30						
15:00						
15:30	 <i>Coffee Break</i>					
16:00	PA-6C Functional dyspepsia and gastroparesis	PA-6A Sensory neuroimmune modulation and glial cells	PA-6B Sex differences in FGIDs			
16:30						
17:00						
17:30						
18:00		SY-3 GENIEUR update	PA-LB Late breaking oral session			
18:30						
19:00						


EXHIBITION 09:00 – 17:00

POSTER EXHIBITION 09:00 – 17:00
P-07 – P-012

REGISTRATION 07:00 – 18:00

Scientific Programme – Overview

Saturday, 1 September 2018

Room ▶ Time ▼	Forum	E102	E104/105	Forum Lounge	Ruby Lounge	Forum Lounge
07:30						
08:00						
08:30	PA-7B Visceral pain	PA-7C Dysphagia and eosinophilic esophagitis	PA-7A GI complications of neurological disease			
09:00						
09:30						
10:00						
10:30						
		 <i>Coffee Break</i>				
11:00	PL-3 Microbiome and gut-brain axis					
11:30						
12:00						
12:30	Closing Ceremony					
13:00						

EXHIBITION 09:00 – 13:00

POSTER EXHIBITION

09:00 – 13:00 / **P-07 – P-12**

REGISTRATION 08:00 – 13:00

Scientific Programme by Day

Wednesday, 29 August 2018

PGC-1	POSTGRADUATE COURSE
08:30–10:10	Forum
Session 1	
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
10:40–12:20	Forum
Session 2	
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
13:20–14:40	Forum
Session 3	
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
15:10–16:30	Forum
Session 4	
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 <i>Marcello Costa, Australia</i> <i>Invited lecture</i>
002	Key mediators of peristalsis: pharmacological implications <i>Terence Smith, USA</i> <i>Invited lecture</i>
003	Relevance of disordered motility in gut diseases <i>Michael Schemann, Germany</i> <i>Invited lecture</i>
004	Self-maintaining gut macrophages are essential for neurogenic secretion and contractility <i>Sebastiaan de Schepper, Belgium</i> <i>Oral presentation of a submitted abstract</i>

PL-2	PLENARY SESSION
11:00–12:30	Forum
Advances in achalasia	
Chairs: John Pandolfino, USA Sabine Roman, France	

001	Pathophysiology of achalasia <i>Guy Boeckxstaens, Belgium</i> <i>Invited lecture</i>
002	Closure of the distal esophagus prior to peristaltic contraction in patients with achalasia 3 esophagus causes impediment to bolus flow <i>Ravinder Mittal, USA</i> <i>Oral presentation of a submitted abstract</i>
003	Treatment of achalasia <i>Arjan Bredenoord, The Netherlands</i> <i>Invited lecture</i>
004	Esophagogastric junction distensibility in pediatric achalasia: a useful tool during pneumatic dilation <i>Alain Benitez, USA</i> <i>Oral presentation of a submitted abstract</i>

ESNM STEERING COMMITTEE MEETING	
12:30 – 13:20	E106

ESNM GENERAL ASSEMBLY	
13:20 – 14:00	E106
(for members only)	

PA-1A	PARALLEL SESSION
14:00–15:30	Forum
Epithelial biology in NG&M	
Chairs: Shin Fukudo, Japan René van den Wijngaard, The Netherlands	

001	Mucosal signaling: role of mucosal barrier and immune dysregulation <i>Åsa Keita, Sweden</i> <i>Invited lecture</i>
002	CDCA released proinflammatory cytokine from small intestinal epithelial cells <i>Tomoki Horikawa, Japan</i> <i>Oral presentation of a submitted abstract</i>
003	Barrier dysfunction in post-infectious IBS <i>Madhusudan Grover, USA</i> <i>Invited lecture</i>
004	Intestinal epithelial barrier abnormalities in patients with chronic intestinal pseudo-obstruction <i>Elisa Boschetti, Italy</i> <i>Oral presentation of a submitted abstract</i>

PA-1B	PARALLEL SESSION
14:00–15:30	E102
Nausea	
Chairs: Paul Enck, Germany Kwang-Jae Lee, Republic of Korea	

001	Central processing of nausea <i>Braden Kuo, USA</i> <i>Invited lecture</i>
002	A thalamic-cingulate-caudate functional network identifies nausea severity and predicts susceptibility using machine learning <i>James Ruffle, United Kingdom*</i> <i>Oral presentation of a submitted abstract</i>
003	Mechanism of nausea <i>Kirsteen Browning, USA</i> <i>Invited lecture</i>
004	Enteric nervous system as a therapeutic target to alleviate gastrointestinal side-effects of chemotherapy <i>Kulmira Nurgali, Australia</i> <i>Oral presentation of a submitted abstract</i>

Scientific Programme by Day

Thursday, 30 August 2018

PA-1C	PARALLEL SESSION	PA-2B	PARALLEL SESSION
14:00–15:30	E104/105	16:00–17:30	E102
Pediatric functional GI and motility disorders Chairs: Marc Benninga, The Netherlands Maura Corsetti, United Kingdom		Mechanisms and treatment of gas and bloating Chairs: Lin Chang, USA Albis Hani, Colombia	
001	Rome IV criteria <i>Annamaria Staiano, Italy</i> <i>Invited lecture</i>	001	Role of methane in gut physiology and symptom generation <i>Hyojin Park, Republic of Korea</i> <i>Invited lecture</i>
002	Salivary pepsin measurement cannot be used for the diagnosis of infant gastro-oesophageal reflux disease <i>Maartje Singendonk, The Netherlands</i> <i>Oral presentation of a submitted abstract</i>	002	Different types of simultaneous pressure waves in the human colon: biomarkers for gas transit and colon function assessment <i>Jihong Chen, Canada</i> <i>Oral presentation of a submitted abstract</i>
003	IBS from young adult to old age <i>Max Schmulson, Mexico</i> <i>Invited lecture</i>	003	Bloating and distention <i>Carolina Malagelada, Spain</i> <i>Invited lecture</i>
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 <i>Rossella Turco, Italy</i> <i>Oral presentation of a submitted abstract</i>	004	Bloating and its association with functional gastrointestinal disorders according to ROME III diagnostic criteria <i>Kewin Tien Ho Siah, Singapore</i> <i>Oral presentation of a submitted abstract</i>
PA-2A	PARALLEL SESSION	PA-2C	PARALLEL SESSION
16:00–17:30	Forum	16:00–17:30	E104/105
Neurodevelopment Chairs: Gary Mawe, USA John Furness, Australia		GERD Chairs: André J. P. M. Smout, The Netherlands Justin Wu, Hong Kong	
001	Neurodevelopmental aspects of gut dysfunction <i>Michel Neunlist, France</i> <i>Invited lecture</i>	001	New diagnostic options <i>John Pandolfino, USA</i> <i>Invited lecture</i>
002	Perinatal high-fat diet exposure alters developmental expression of GABAA receptor subunits in central vagal neurocircuits <i>Courtney Clyburn, USA</i> <i>Oral presentation of a submitted abstract</i>	002	Laryngeal mucosal impedance; a new diagnostic tool for laryngopharyngeal reflux disease <i>Serhat Bor, Turkey</i> <i>Oral presentation of a submitted abstract</i>
003	Stem cells: how to build up an enteric nervous system <i>Nikhil Thapar, United Kingdom</i> <i>Invited lecture</i>	003	Management of refractory GERD <i>Xiao-Hua Hou, China</i> <i>Invited lecture</i>
004	The gut microbiota regulates maturation of the adult enteric nervous system <i>Filipe de Vadder, France*</i> <i>Oral presentation of a submitted abstract</i>	004	Prediction of presence of reflux esophagitis after POEM in achalasia <i>Froukje van Hoeij, The Netherlands</i> <i>Oral presentation of a submitted abstract</i>

Scientific Programme by Day

Friday, 31 August 2018

SY-1	SYMPOSIUM
07:30–08:15	E102
The NGM training curriculum: a joint ANMS-ESNM project	
Chairs: Edoardo Savarino, Italy C. Prakash Gyawali, USA	

- 001 **A tiered approach to NGM training**
C. Prakash Gyawali, USA
- 002 **Role of NGM societies in NGM training**
Sabine Roman, France
- 003 **Implementation and future direction**
Edoardo Savarino, Italy
- 004 **Panel discussion**

SY-2	SYMPOSIUM
07:30–08:15	E104/105
Highlights from Little Brain Big Brain 2018	

- 001 *Nazar Mazurak, Germany*
- 002 *John Broad, United Kingdom*

PA-3A	PARALLEL SESSION
08:30–10:30	E104/105
Optogenetic control of gut function	
Chairs: R. Alberto Travagli, USA David Grundy, United Kingdom	

- 001 **Optogenetic activation of enteric pathways**
*Lincon Stamp, Australia**
Invited lecture
- 002 **Optogenetic induction of gut propulsion**
Nick Spencer, Australia
Invited lecture
- 003 **Optogenetic manipulation of vagal pathways**
Rui Chang, USA
Invited lecture
- 004 **Ghrelin inhibits autonomic response to gastric distension in rodents by acting on vagal pathway**
Mathieu Meleine, France
Oral presentation of a submitted abstract
- 005 **Spatio-Temporal mapping of gastrointestinal motility using MRI and computer post-processing: a proof of concept study**
Alex Menys, United Kingdom
Oral presentation of a submitted abstract

PA-3B	PARALLEL SESSION
08:30–10:30	E102
Functional aspects of host-microbiome interactions	
Chairs: John Cryan, Ireland Giovanni Barbara, Italy	

- 001 **Bacterial dysbiosis**
Shin Fukudo, Japan
Invited lecture
- 002 **Commensal gut bacteria modulate the excitability of the vagal afferent neurons via cysteine proteases**
Sabindra Pradhananga, Canada
Oral presentation of a submitted abstract
- 003 **The *Bifidobacterium longum* “1714 TM” strain modulates brain activity during social stress in healthy volunteers**
Huiying Wang, Germany
Oral presentation of a submitted abstract
- 004 **Fungal dysbiosis**
René van den Wijngaard, The Netherlands
Invited lecture
- 005 **Host-microbiome interactions**
Purna Kashyap, USA
Invited lecture

PA-3C	PARALLEL SESSION
08:30–10:30	Forum
Therapeutic advances in FGIDs	
Chairs: William Chey, USA Guy Boeckxstaens, Belgium	

- 001 **Psychological interventions**
Jeffrey Lackner, USA
Invited lecture
- 002 **Efficacy and safety of lanreotide in postoperative dumping syndrome: a phase III, double-blind placebo-controlled cross-over study**
Lucas Wauters, Belgium
Oral presentation of a submitted abstract
- 003 **Pharmacological treatment of IBS and constipation**
Maura Corsetti, United Kingdom
Invited lecture
- 004 **Pro-kinetic actions of an intraluminally acting 5-HT₄ receptor agonist**
John Koenen, USA
Oral presentation of a submitted abstract
- 005 **Complementary/alternative treatments**
Justin Wu, Hong Kong SAR, China
Invited lecture

Scientific Programme by Day

Friday, 31 August 2018

PA-4A	PARALLEL SESSION
11:00–12:30	E102
Chemosensation and EC cells	
Chairs: Ashley Blackshaw, United Kingdom Arthur Beyder, USA	

- 001 **Taste receptors and signaling in the gut**
Catia Sternini, USA
Invited lecture
- 002 **Disturbances of gastric emptying and intestinal chemosensitivity in functional dyspepsia**
Adil Bharucha, USA
Oral presentation of a submitted abstract
- 003 **Factors controlling EC cell triggering**
Damien Keating, Australia
Invited lecture
- 004 **A multi-center GWAS of IBS in 3,255 patients from tertiary centers and 28,937 population controls: results from the bellygenes initiative**
Tenghao Zheng, Sweden
Oral presentation of a submitted abstract

PA-4B	PARALLEL SESSION
11:00–12:30	E104/105
Infection, inflammation and FGIDs	
Chairs: Madhusudan Grover, USA José María Remes-Troche, Mexico	

- 001 **H. pylori and functional dyspepsia**
Hiroto Miwa, Japan
Invited lecture
- 002 **Bifidobacterium metabolites protect against chronic inflammation in the gut-brain axis**
Amy Ehrlich, USA
Oral presentation of a submitted abstract
- 003 **Post-infectious IBS**
Giovanni Barbara, Italy
Invited lecture
- 004 **APD371, a peripherally restricted, highly selective, full agonist of the Cannabinoid Receptor 2 (CB2), reduces colitis-induced visceral hypersensitivity in rats**
Stuart Brierley, Australia
Oral presentation of a submitted abstract

PA-4C	PARALLEL SESSION
11:00–12:30	Forum
Food components triggering GI symptoms	
Chairs: Sutep Gonlachanvit, Thailand Magnus Simrén, Sweden	

- 001 **FODMAPs**
William Chey, USA
Invited lecture
- 002 **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**
Victoria Wilkinson-Smith, United Kingdom
Oral presentation of a submitted abstract
- 003 **Gluten**
Elena Verdú, Canada
Invited lecture
- 004 **Neuroimmune mechanisms in symptom generation in patients with non-celiac gluten/wheat sensitivity**
Fiorella Giancola, Italy
Oral presentation of a submitted abstract

PA-5A	PARALLEL SESSION
14:00–15:30	Forum
Satiety regulation and obesity	
Chairs: Christine Feinle-Bisset, Australia Jan Tack, Belgium	

- 001 **Obesity, enteric nervous system and microbiome**
Shanthi Srinivasan, USA
Invited lecture
- 002 **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**
Christina McVeay, Australia
Oral presentation of a submitted abstract
- 003 **Therapeutic targets in the modulation of satiety**
Michael Camilleri, USA
Invited lecture
- 004 **SOCS3 switches Leptin's effects on vagal afferent sensitivity from potentiation to inhibition in obesity**
Yang Yu, Canada
Oral presentation of a submitted abstract

Scientific Programme by Day

Friday, 31 August 2018

PA-5B	PARALLEL SESSION
14:00–15:30	E102
Chronic intestinal pseudo-obstruction	
Chairs: Sutep Gonlachanvit, Thailand Vincenzo Stanghellini, Italy	

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

PA-5C	PARALLEL SESSION
14:00–15:30	E104/105
Integrated systems approach in IBS	
Chairs: Joon-Seong Lee, Republic of Korea Mauro d'Amato, Spain	

- 001 **Genetics of IBS**
Beate Niesler, Germany
Invited lecture
- 002 **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"**
Ferdinando Bonfiglio, Spain
Oral presentation of a submitted abstract
- 003 **Systems approach in IBS**
Lin Chang, USA
Invited lecture
- 004 **Brain functional connectivity is associated with the feeling of incomplete bowel evacuation in patients with Irritable Bowel Syndrome (IBS)**
Jenny Sjö Dahl, Sweden
Oral presentation of a submitted abstract

PA-6A	PARALLEL SESSION
16:00–17:30	E102
Sensory neuro-immune modulation and glial cells	
Chairs: Nick Spencer, Australia James Galligan, USA	

- 001 **Neuro-immune modulation**
Wouter de Jonge, The Netherlands
Invited lecture
- 002 **Enteric neurons regulate dendritic cells by releasing IL-6 in the mouse colonic mucosa**
Hanako Ogata, Japan
Oral presentation of a submitted abstract
- 003 **Neuro-glia modulation**
Pieter vanden Berghe, Belgium
Invited lecture
- 004 **Enteroglial adenosine A_{2B} receptor signaling regulates gut functions in health and disease**
*Vladimir Grubisic, USA**
Oral presentation of a submitted abstract

PA-6B	PARALLEL SESSION
16:00–17:30	E104/105
Sex differences in FGIDs	
Chairs: Beverley Greenwood-Van Meerveld, USA Magnus Simrén, Sweden	

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

Scientific Programme by Day

Friday, 31 August 2018

PA-6C	PARALLEL SESSION
16:00–17:30	Forum
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
17:45–18:45	E104/105
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
17:45–18:45	E102
GENIEUR update	

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

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	

- 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	Forum
Visceral pain	
Chairs: Qasim Aziz, United Kingdom Stephen Vanner, Canada	

- 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

PA-7C	PARALLEL SESSION
08:30–10:30	E102
Dysphagia and eosinophilic esophagitis	
Chairs: Arjan Bredenoord, The Netherlands Peter Kahrilas, USA	

- 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

PL-3	PLENARY SESSION
11:00–12:30	Forum
Microbiome and gut-brain axis	
Chairs: Oh-Young Lee, Republic of Korea Giovanni Barbara, Italy	

- 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	

FNM 2020

4th Meeting of the Federation of
Neurogastroenterology & Motility

25 – 28 March 2020

Adelaide Convention Centre
Adelaide, Australia



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.

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Australasian NeuroGastroenterology
& Motility Association Inc (ANGMA)

Poster Presentations by Day

Thursday, 30 August 2018

P-01 POSTER PRESENTATION		012	Spinal cord injury induces selective dysfunctional relaxation and change of nNOS expression in circular muscle layer of distal colon in rat model <i>Yong-Sung Kim, Republic of Korea</i> <i>H.-S. Ryu, S.-C. Choi, S.-H. Park, M.-Y. Lee</i>
09:00–17:00 Ruby Lounge		013	Transcriptome profiling of subepithelial PDGFR α + cells in colonic mucosa reveals a metalloendopeptidase ADAM-Like Decysin 1 as a selective marker for intestinal inflammation and Crohn's disease <i>Seun-Gil Ro, USA</i> <i>S. E. Ha, L. Wei, M. Y. Lee, B. G. Jorgensen, R. Singh, C. Park, M. Kurahashi, B. Jin, S. Kim, S. M. Poudrier</i>
002	Augmented inspiratory upper esophageal sphincter tone during exercise: A physiologic control mechanism to maintain airway integrity <i>Neha Santucci, USA</i> <i>A. Kaul, K. El-Chammas, M. A. Zafar, V. Sood, R. Panos</i>	014	Pollen extracts of birch and ragweed activate human and guinea pig submucous neurons and guinea pig DRG neurons <i>Sabine Buehner, Germany</i> <i>S. Schäuffele, S. Gilles-Stein, I. E. Demir, G. Ceyhan, F. Zeller, C. Traidl-Hoffmann, M. Schemann</i>
003	Morphological changes in the gastric mucosa in the antrum, depending on the infection of <i>Helicobacter pylori</i> and Epstein-Barr virus and their combinations <i>Anatoly Khavkin, Russia</i> <i>L. Nikonov, G. Volynets, O. Komarova</i>	015	Influence of peppermint and caraway oil on contractile activity of human intestinal muscle strips <i>Dagmar Krueger, Germany</i> <i>M. Schemann, I. E. Demir, G. Ceyhan, F. Zeller</i>
004	Effects of urocortins on intestinal ion secretion in the mouse colon <i>Sumei Liu, USA</i> <i>A. Karo</i>	016	Dyssynergic defecation and the role of opioids, diabetes and rheumatologic conditions <i>Bhairvi Jani, USA</i> <i>D. Lim, K. Patel, K. Hussaini, K. Yu, Y. K. Kim, D. Clarrett, C. Hachem, C. Prather, E. Marsicano</i>
005	Modelling afferent nerve discharge during intestinal distension in rats <i>Donghua Liao, Denmark</i> <i>J. Zhao, H. Gregersen</i>	017	Identification of a rhythmic firing pattern in the enteric nervous system that generates rhythmic electrical activity in smooth muscle <i>Lee Travis, Australia</i> <i>T. Hibberd, L. Wiklendt, M. Costa, H. Hu, S. Brookes, D. Wattchow, P. Dinning, D. Keating, J. Sorensen, N. Spencer</i>
006	„In vivo“ PET imaging of innate immune responses in murine DSS colitis <i>Nicole Dmochowska, Australia</i> <i>M. Campaniello, C. Mavrangelos, H. Wardill, P. Takhar, M. Keller, W. Tieu, P. Hughes</i>	018	Regional variation of intrinsic myenteric neurons and co-innervated motor endplates on the striated muscles in the rat esophagus <i>Hirofumi Kuramoto, Japan</i> <i>R. Yoshimura, H. Sakamoto, M. Kadowaki</i>
007	Nesfatin-1(30-59) injected intracerebroventricularly increases anxiety, depressiveness and anhedonia in normal weight but not in diet-induced obese rats <i>Martha Anna Schalla, Germany</i> <i>S. Kühne, T. Friedrich, K. Peter, M. Goebel-Stengel, M. Rose, A. Stengel</i>	019	Acute colitis chronically alters epithelial barrier and adaptive and innate immune responses to subsequent colitis re-activation independently of shifts in microbiota composition <i>Patrick Hughes, Australia</i> <i>H. Wardill, J. Choo, N. Dmochowska, M. Campaniello, C. Mavrangelos, J. Bowen, G. Rogers</i>
008	A trust-based model for the interaction with anxious patients suffering from Irritable Bowel Syndrome (IBS) <i>Tudor-Stefan Rotaru, Romania</i> <i>V. Drug</i>	020	Gastrointestinal symptoms and psychological well-being in endometriosis <i>Malin Ek, Sweden</i> <i>B. Roth, B. Ohlsson</i>
009	Enteric glia populate the mucosa of developing human gut in the absence of luminal microbiota <i>Nahum Shpigel, Israel</i> <i>E. Eliraz-Nissim, S. Yagel, M. Gutnick</i>		
010	Alteration of colonic motility by protease activated receptors in DSS-induced colitis <i>Hee-Man Kim, Republic of Korea</i> <i>T.-S. Sung, H.-U. Kim, K. Sanders, S.-D. Koh</i>		
011	Modulation of tachykinin NK2 receptor expression and activity by sex hormones in the colon <i>Stelina Drimousis, Australia</i> <i>I. Markus, T. Murphy, L. Liu</i>		

Poster Presentations by Day

Thursday, 30 August 2018

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| <p>021 Effects of intraduodenal infusion of the bitter tastant, quinine, on antropyloroduodenal motility, plasma cholecystokinin concentrations and energy intake in humans
 <i>Vida Bitarafan, Australia</i>
 <i>P. Fitzgerald, T. Little, T. Wu, M. Horowitz, C. Feinle-Bisset</i></p> <p>022 The involvement of dopamine, but not ghrelin, in physiological control of defecation through ghrelin receptors
 <i>John Furness, Australia</i>
 <i>R. Pustovit</i></p> <p>023 Ambulatory assessment of colonic motility using the electromagnetic capsule tracking system
 <i>Esben Bolvig Mark, Denmark</i>
 <i>J. Lykke Poulsen, A.-M. Haase, M. Espersen, T. Gregersen, V. Schlageter, M. Scott, K. Krogh, A. Mohr Drewes</i></p> <p>024 Rapid drink challenge unmasks motility disorders in lung transplant patients
 <i>Alexandra Baumann, USA</i>
 <i>M. Amaris, F. Ayoub, A. Pelaez</i></p> <p>025 A review of the motilin system in guinea-pig: Re-examination of gastrointestinal motility stimulating action of guinea-pig motilin candidates in vitro
 <i>Takio Kitazawa, Japan</i>
 <i>H. Kaiya</i></p> <p>026 Evaluation of spatiotemporal gastric slow wave dysrhythmias following acute hyperglycemia
 <i>Peng Du, New Zealand</i>
 <i>G. O'Grady, N. Paskaranandavadivel, S.-J. Tang, T. Abell, L. Cheng</i></p> <p>027 The relation of sphingolipid in the change of intestinal barrier as aging and Irritable Bowel Syndrome (IBS): Preliminary study
 <i>Yong-Hwan Kwon, Republic of Korea</i>
 <i>J.-H. Park</i></p> <p>028 Reduced sympathetic drive in obese subjects may contribute to reductions in basal ghrelin release
 <i>Qiaoling Wang, Belgium</i>
 <i>K. Liszt, E. Deloosse, E. Canovai, R. Farré Marti, L. Ceulemans, J. Tack, M. Lannoo, I. Depoortere</i></p> <p>029 Influence of intragastric fatty acid infusion on subjective responses to positive emotion induction in healthy women
 <i>Dongxing Zhao, Germany*</i>
 <i>L. Boey, N. Weltens, J. Tack, L. Van Oudenhove</i></p> <p>030 Water-perfused anorectal manometry and pull-through maneuvers are unreliable techniques because they inadvertently increase anal pressure
 <i>Maxime van Meegdenburg, The Netherlands</i>
 <i>M. Trzpis, P. Broens</i></p> | <p>031 Etiologies and characteristics of non-obstructive dysphagia in a Chinese population: A prospective study based on high-resolution impedance manometry
 <i>Ping-Huei Tseng, Taiwan</i>
 <i>C.-C. Yeh, C.-C. Chen, J.-F. Wu, H.-C. Lee, K.-L. Liu, Y.-C. Lee, S.-K. Chuah, H.-P. Wang, M.-S. Wu</i></p> <p>032 Cytomegalovirus and human herpesvirus 6 in the development of acute appendicitis in children
 <i>Marjolijn Timmerman, The Netherlands</i>
 <i>P. Broens, A. Riezebos-Brilman, M. Trzpis</i></p> <p>033 Impact of position and bolus consistency on proximal esophageal contractile parameters in patients with dysphagia
 <i>Lauren Gottshall, USA</i>
 <i>F. Meng, A. Ouyang</i></p> <p>034 Cystic fibrosis transmembrane conductance regulator modulates enteric cholinergic activities and is abnormally expressed in the enteric ganglia of patients with slow transit constipation
 <i>Lu Liu, Australia</i>
 <i>K. A. Ming Yeh, O. Johansson, H. Le, D. S. Perera, D. Lubowski, H. Chen</i></p> <p>035 Assessment of colonic motility in severe ulcerative colitis using the electromagnetic capsule tracking system
 <i>Anne-Mette Haase, Denmark</i>
 <i>N. C. Sutter, E. B. Mark, M. W. Klinge, J. Agnholt, J. F. Dahlerup, A. M. Drewes, V. Schlageter, K. Krogh</i></p> <p>036 Interstitial cells of Cajal and smooth muscle cells derive from a common precursor at a late embryonic and early postnatal stage
 <i>Sabine Klein, Germany*</i>
 <i>B. Seidler, R. M. Schmid, M. Reichert, G. Schneider, D. Saur</i></p> <p>037 Identification of novel sites of TRPV4 expression in the mouse colon
 <i>Pradeep Rajasekhar, Australia*</i>
 <i>S. E. Carbone, C. J. Nowell, J. Fichna, L. Travis, N. Spencer, N. A. Veldhuis, D. P. Poole</i></p> <p>038 Mechanisms for esophageal secondary peristalsis: Role of esophageal acidification versus 5-HT4 receptor activation
 <i>Chien-Lin Chen, Taiwan</i>
 <i>C.-H. Yi, T.-T. Liu, W.-Y. Lei, J.-S. Hung, M.-W. Wong</i></p> <p>039 The bitter compound, denatonium benzoate, regulates expression of defensins in primary jejunal crypts of lean and obese subjects
 <i>Kathrin Liszt, Belgium</i>
 <i>Q. Wang, E. Canovai, L. Ceulemans, M. Lannoo, I. Depoortere</i></p> |
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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**
Anastasiia 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
P. Du, T. R. Angeli, N. Paskaranandavadi, G. Farugia, T. L. Abell, L. K. Cheng, G. O'Grady, J. Windsor
- 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-3 β 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
T. Hibberd, L. Wiklendt, D. Wattchow, D. de Fontgaland, M. Costa, S. Brookes, N. Spencer, P. Dinning
- 048 Subthreshold oral exposure to paraquat and lectin causes ascending spread of parkinsonian pathology in the rat**
Laura Anselmi, USA
C. Bove, R. A. Travaglini*
- 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. Travaglini, K. Browning
- 051 Motility assessment in prepared and unprepared healthy subjects using tagged cine-MRI**
C.S. de Jonge, The Netherlands
A. M. Sprengers, K. L. van Rijn, A. J. Nederveen, J. Stoker
- 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 dyssynergic 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 Veedfald, 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 (PDGFR α 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. Naitou, H. Nakamori, T. Shiina, Y. Shimizu
- 060 Immunohistochemical and electrophysiological analysis of cholinergic and purinergic pathways in the mouse myenteric plexus**
James Galligan, USA
A. Perez-Medina

Poster Presentations by Day

Thursday, 30 August 2018

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

P-02 POSTER PRESENTATION

09:00–17:00 Ruby Lounge

Pain mechanisms and visceral hypersensitivity

- 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 Functional imaging in functional dyspepsia: Fat label versus fat content**
 In-Seon Lee, Germany
 S. Kullmann, K. Scheffler, H. Preissl, P. Enck
- 004 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
- 005 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
- 007 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. Toth, J. Tack, T. Vanuytsel
- 008 Antibiotics worsen visceral but not somatic hyperalgesia in a mouse model of post-inflammatory experimental colitis**
 Nicolas Esquerre, Canada
 L. Basso, F. A. Vicentini, N. L. Cluny, K. A. Sharkey, C. Altier, Y. Nasser
- 009 Do hypermobile joints predict a painful colonoscopy?**
 Bram Beckers, The Netherlands
 L. Vork, R. de Ridder, Q. Aziz, A. Masclee, D. Keszthelyi

- 010 Age-related changes in abdominal pain in healthy individuals and Irritable Bowel Syndrome (IBS) patients**
 Ellen Wilms, The Netherlands
 D. Jonkers, D. Keszthelyi, Z. Mujagic, L. Vork, Z. Weerts, J. Kruimel, F. Troost, A. Masclee

- 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
 S.-B. Park, C.-W. Choi, D.-H. Kang, H.-S. Nam, H.-W. Kim

P-03 POSTER PRESENTATION

09:00–17:00 Ruby Lounge

Role of microbiome and diet

- 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 Bhattarai, 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. Ciortescu, 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
- 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

Poster Presentations by Day

Thursday, 30 August 2018

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|---|---|
| <p>007 Prevalence of Self-Reported Gluten Sensitivity (SRGS) in Irritable Bowel Syndrome (IBS) in a Brazilian community
 <i>Rosa Leonora Salerno Soares, Brazil</i>
 <i>L. Trugilho, G. Menezes, J. Paes, F. Larissa, M. Palombo, M. Sales dos Santos, M. A. Saad</i></p> <p>008 Role of the circadian clock in the interplay between microbial short-chain fatty acids and nutrient sensors and their effect on gut contractility
 <i>Anneleen Segers, Belgium</i>
 <i>L. Desmet, T. Thijs, K. Verbeke, J. Tack, I. Depoortere</i></p> <p>009 Malnutrition during pregnancy promotes the development of obesity in the offspring
 <i>Shu Sun, Belgium</i>
 <i>K. Corbeels, L. Desmet, A. Segers, Q. Wang, B. van der Schueren, I. Depoortere</i></p> <p>010 Gut microbial short-chain fatty acids alleviate psychosocial stress-induced alterations in reward-seeking behaviour, stress-responsiveness and intestinal permeability
 <i>Marcel van de Wouw, Ireland</i>
 <i>M. Böhme, J. M. Lyte, N. Wiley, C. Strain, O. O'Sullivan, G. Clarke, C. Stanton, T. G. Dinan, J. F. Cryan</i></p> <p>011 Role of <i>saccharomyces boulardii</i> as adjunctive treatment in non-clostridium difficile infection, nosocomial diarrhoea in a tertiary care hospital
 <i>Monthira Maneerattananorn, Thailand</i>
 <i>N. Preechakawin, M. Suttikulsoombat, P. Kiratisin</i></p> <p>012 Features of the state of intestinal microbiota and clinical and metabolic parallels in overweight and obese children
 <i>Margarita Gurova, Russia</i>
 <i>V. Novikova, A. Khavkin</i></p> <p>013 Effects of dietary galacto-oligosaccharide on stress-related behaviors in a subchronic mild social defeat stress model of mice
 <i>Atsushi Toyoda, Japan</i>
 <i>K. Suzuki, M. Ichikawa, M. Sato, S. Nakashima, T. Odawara, O. Horibata, T. Kagami</i></p> <p>014 Sex-dependent effects of postnatal exposure to low dose penicillin on the microbiota-gut-brain axis
 <i>Marya Kayyal, Canada</i>
 <i>F. Mian, A. Stanisz, K.-A. McVey Neufeld, P. Forsythe</i></p> <p>015 Perturbation of gut microbiota with the antibiotic, vancomycin, between weaning and adulthood affects enteric neuronal excitability and motility in the mouse colon
 <i>Lin-Yung Hung, Australia</i>
 <i>P. Parathan, P. Boonma, A. Haag, R. A. Luna, J. C. Bornstein, T. Savidge, J. P. Pei Foong*</i></p> | <p>016 Magnetotactic bacterium detected in the human microbiome associated with multiple measures along the gut-brain axis
 <i>Rozalyn Simon, Sweden</i>
 <i>S. Witt, O. Bednarska, N. Barazanji, D. Jönsson, M. Jones, Å. Keita, S. Walter</i></p> <p>017 Day-to-day variability in fecal microbial richness and its association with stool consistency: Do we need multiple sample collection?
 <i>Lisa Vork, The Netherlands</i>
 <i>J. Penders, S. van Kuijk, J. Jalanka, M. Rajilic-Stojanovic, S. Bojic, C. Manichanh, M. Pozuelo, A. Masclee, D. Jonkers</i></p> <p>018 Nausea susceptibility is associated with subcortical brain morphology
 <i>Anya Patel, United Kingdom</i>
 <i>J. Ruffle*, V. Giampietro, Q. Aziz, A. Farmer</i></p> <p>019 <i>E.coli</i> in children with dysbiosis
 <i>Valeria Novikova, Russia</i>
 <i>A. Listopadova, E. Orishak, L. Nilova, K. Kosyakova, E. Oganesyan</i></p> <p>020 The changes intestinal microbiota in children with chronic diseases
 <i>Elena Orishak, Russia</i>
 <i>A. Listopadova, V. Novikova, L. Nilova, E. Oganesyan</i></p> <p>021 Exposure to the antibiotic, vancomycin perturbs gut microbiota, mucosal serotonin and enteric neuron development of the early postnatal mouse colon
 <i>Jaime Pei Pei Foong, Australia*</i>
 <i>L. Y. Hung, P. Unterweger, P. Parathan, B. Prapaporn, A. Haag, R. A. Luna, J. C. Bornstein, T. C. Savidge</i></p> <p>022 The impact of the gut microbiota on hepatic drug-metabolising enzymes: Potential implications for clinical practise of neurogastroenterology
 <i>Jacinta Walsh, Ireland</i>
 <i>M. van de Wouw, G. Moloney, J. Cryan, T. Dinan, B. Griffin, N. Hyland, G. Clarke</i></p> <p>023 Effect of green kiwifruit on digestive functions and microbiota in constipated patients: A randomized, controlled, single-blind trial
 <i>Cesare Cremon, Italy</i>
 <i>M. R. Barbaro, J. Ansell, B. Kuhn-Sherlock, L. Drummond, I. Pagano, E. Capelli, L. Bellacosa, V. Stanghellini, G. Barbara</i></p> <p>024 Impact of inactivated lactobacilli on both microbiota composition and behaviour in mice
 <i>Alicja Warda, Ireland</i>
 <i>K. Rea, P. Fitzgerald, C. Hueston, E. Gonzalez Tortuero, T. G. Dinan, C. Hill</i></p> |
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Poster Presentations by Day

Thursday, 30 August 2018

P-04 POSTER PRESENTATION			
09:00–17:00		Ruby Lounge	
Pathophysiological and clinical aspects of functional esophagogastro-intestinal disorders			
001	The prevalence of non-tuberculous mycobacterial lung disease with or without reflux esophagitis <i>Dong-Ho Lee, Republic of Korea</i> <i>N.-Y. Kim, C.-M. Shin</i>	010	Multiple beneficial effects of ghrelin agonist HM01 on digestive disorders in 6-hydroxydopamine rat model of Parkinson's disease <i>Izumi Kaji, USA</i> <i>L. Wang, A. Minalyan, L. Gabrielyan, N. Moussaoui, Y. Akiba, M. Mulugeta, C. Pietra, J. Kaunitz, Y. Taché</i>
002	Abnormalities in the anorectal manometry in a patient with possible Ehler-Danlos syndrome <i>Vivianne Maria Anido, Cuba</i> <i>Z. Diaz Drake</i>	011	Eosinophilic esophagitis is increasing in Korea: Study based on a single tertiary center endoscopic database <i>Kee-Wook Jung, Republic of Korea</i> <i>G.-H. Kim, H.-Y. Jung, J.-B. Lee, Y.-S. Park</i>
003	Visceral obesity does not affect the reflux-related symptoms in the subjects with minimal change esophagitis <i>Jae-Hak Kim, Republic of Korea</i> <i>C. H. Yang</i>	012	Cholinergic status, a pro inflammatory factor, is elevated in diarrhea predominant Irritable Bowel Syndrome (IBS) woman: A case control study <i>Roy Dekel, Israel</i> <i>S. Shanhar-Tsarfaty, Y. Ron, N. Maharshak, S. Beliner, K. Hod</i>
004	Prevalence and clinical importance of chronic Nausea Syndrome <i>Hye-Kyung Jung, Republic of Korea</i> <i>C.-H. Tae, J.-Y. Lim, C.-M. Moon, S.-E. Kim, K.-N. Shim, S.-A. Jung, Y. Gwon</i>	013	Short and long term clinical and high-resolution manometry follow up after pneumatic dilatation for achalasia: A single center experience <i>Tamar Thurm, Israel</i> <i>L. Deutsch, R. Dekel, Y. Ron</i>
005	EGJ distensibility measurements are consistent between endoscopic and intraoperative settings among patients with achalasia <i>Ryan J. Campagna, USA</i> <i>D. A. Carlson, E. N. Teitelbaum, J. M. Sternbach, P. J. Kahrilas, N. J. Soper, J. E. Pandolfino, E. S. Hungness</i>	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 <i>Ashok Tuteja, USA</i> <i>N. Talley, G. Stoddard, G. N. Verne</i>
006	Association between gastroesophageal reflux disease and non-cardiac chest pain: A cause of impaired quality of life <i>Oana Barboi, Romania</i> <i>C. Cijevschi Prelipcean, C. Mihai, M. Floria, V. Drug</i>	015	Predictors of clinical response to proton pump inhibitors therapy in patients with globus sensation <i>Wei-Yi Lei, Taiwan</i> <i>C.-L. Chen, S.-H. Wen, C.-H. Yi, T.-T. Liu, J.-S. Hung, M.-W. Wong</i>
007	Sleep disorder in patients with functional dyspepsia <i>Jong-Kyu Park, Republic of Korea</i> <i>J.-G. Kwon, K.-C. Huh, K.-W. Jung, K.-H. Song, J.-H. Oh, K.-W. Jung, K.-B. Bang, J.-Y. Lee, C.-H. Tae, C.-M. Shin</i>	016	Changes in oral and fecal microbiota during the exacerbation of symptoms accompanying Irritable Bowel Syndrome (IBS) with Diarrhea <i>Yukari Tanaka, Japan</i> <i>R. Yamashita, Y. Sato, R. Arita, S. Kaneko, J. Kawashima, Y. Kasahara, S. Takayama, T. Ishii, S. Fukudo</i>
008	Interstitial Cells of Cajal (ICC) restricted miR-10b knockout mediates altered GI motility and diabetic phenotype <i>Rajan Singh, USA</i> <i>S. Ha, L. Wei, B. G. Jorgensen, B.-C. Jin, S. M. Poudrier, C. Park, L. S. Becker, K. M. Sanders, S.-G. Ro</i>	017	Characterization of esophageal motility in infants born with congenital diaphragmatic hernia using high resolution manometry <i>Maissa Rayyan, Belgium</i> <i>N. Rommel, T. Omari, A. Debeer, H. Decaluwé, J. Deprest, K. Allegaert</i>
009	Gastroesophageal reflux disease in subjects with sleep-disordered breathing <i>Jung-Hwan Oh, Republic of Korea</i> <i>M.-J. Cho, S.-Y. Ha, J.-M. Park</i>	018	Anti-inflammatory effect of rebamipide combined with esomeprazole on the symptom improvement in PPI-resistant NERD patients: Pilot study <i>Beom-Jin Kim, Republic of Korea</i> <i>J.-Y. Park, J.-G. Kim</i>

Poster Presentations by Day

Thursday, 30 August 2018

- 019 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
- 020 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
K.-W. Jung, H.-K. Na, J.-Y. Ahn, J.-H. Lee, K.-D. Choi, D.-H. Kim, H.-J. Song, G.-H. Lee, M.-J. Park, H.-Y. Jung
- 021 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. Jang, S.-Y. Lee, S.-C. Choi
- 022 Combined multichannel intraluminal impedance and high resolution manometry improves detection of clinically relevant esophagogastric junction obstruction**
Yang-Won Min, Republic of Korea
H. Lee, B.-H. Min, J.-H. Lee, P.-L. Rhee, J. J. Kim
- 023 Measurement of salivary pepsin for diagnosis of GORD in adults is not yet ready for clinical application**
Philip Woodland, United Kingdom
M. Singendonk, J. Ooi, K. Nikaki, T. Wong, C. Lee, R. Koning, M. Benninga, M. van Wijk, D. Sifrim
- 024 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
- 025 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
C.-H. Choi, J.-S. Lee, J.-O. Kim
- 026 Assessment of small intestinal motility using cine-MRI in patients with abdominal bloating**
Hidenori Ohkubo, Japan
A. Fuyuki, N. Misawa, T. Yoshihara, K. Kanoshima, T. Higurashi, A. Nakajima
- 027 Natural history of Pediatric Achalasia: A single center experience**
Rossella Turco, Italy
A. Benítez, K. N. Fiorino, P. Mamula, R. Verma, D. A. Piccoli, J. T. Boyle
- 028 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
- 029 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
- 030 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
A. Rasijeff, D. Pares, U. Grossi, E. Carrington, C. Knowles, S. M. Scott
- 031 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
- 032 Neurophysiology measures in IBS: Interactions and relevance for symptoms**
Irina Midenfjord, Sweden
A. Polster, H. Sjövall, P. Friberg, H. Törnblom, M. Simrén
- 033 The Prevalence of Non-Cardiac Chest Pain (NCCP) in Japan**
Takashi Kondo, Japan
T. Horikawa, A. Tamura, K. Tozawa, T. Tomita, T. Oshima, H. Fukui, J. Watari, H. Miwa
- 035 The influence of demographic characteristics on constipation symptoms: A detailed overview**
Sanne Verkuijl, The Netherlands
R. Meinds, M. Trzpis, P. Broens
- 036 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
B. Kuo, S. Rao, R. McCallum, B. Moshiree, M. Schulman, R. Krause, J. Wo, H. Parkman, L. Nguyen, W. Hasler
- 037 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

038	Is it functional?: Mucosal gastrointestinal disease and interstitial cystitis, a novel correlation <i>David Westrich, USA</i> <i>I. Marcu, C. McFerrin, A. Mogalapalli, N. Mogalapalli, A. Vareedayah, M. Hammami, E. Campian, E. Marsicano</i>	P-05	POSTER PRESENTATION
039	Development of gastrointestinal diseases in Korean patients after pandemic influenza A (H1N1) infection using big data analysis <i>Da-Hyun Jung, Republic of Korea</i> <i>J.-H. Cha, H.-S. Lee, S. Kim, H.-J. Park</i>	09:00–17:00	Ruby Lounge
040	Gastrointestinal dysmotility is a significant feature in two siblings with a novel ITPR1 missense variant identified by whole exome sequencing <i>Naomi Tjaden, USA*</i> <i>E. Chiou, B. Chumipitazi</i>	Technologies for the assessment of esophagogastrintestinal motility and perception	
042	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) <i>Juliane Schwille-Kiuntke, Germany</i> <i>H. Völzke, H. J. Grabe, M. M. Lerch, F. U. Weiß, H. Mönnikes, P. Enck, B. Schauer</i>	002	The usefulness of multiple rapid swallows and viscous yoghurt swallows for detection of esophageal motility disorders in patients with esophageal symptoms <i>Kwang-Jae Lee, Republic of Korea</i> <i>Y.-H. Jeong, C.-K. Noh</i>
043	Baseline impedance evaluation for GERD in patients post Peroral Enteral Myotomy (POEM) <i>Michael Crowell, USA</i> <i>D. Snyder, K. Ravi, J. Horsley-Silva, N. Fukami, M. Vela</i>	003	Clinical management of paediatric achalasia: A survey of current practice <i>Maartje Singendonk, The Netherlands</i> <i>M. van Lennep, T. Omari, M. Benninga, M. van Wijk</i>
044	Presence of gastroesophageal reflux independently predicts risk of repeat radiofrequency ablation within one year for atrial fibrillation <i>Jennifer Cai, USA</i> <i>W. Chan, W.-K. Lo, S. Kapur</i>	004	Correlation of a manometric sum score with clinical incontinence scores <i>Christian Pehl, Germany</i> <i>J. Kaul</i>
045	The natural history of IBS: A five-year follow-up of the Maastricht IBS Cohort study <i>Zsa Zsa Weerts, The Netherlands</i> <i>L. Vork, Z. Mujagic, D. Keszthelyi, M. Hesselink, D. Jonkers, A. Masclee</i>	005	Evaluation of esophageal motility with Functional Lumen Imaging Probe (FLIP) panometry: Normative values from 30 asymptomatic controls <i>Dustin Carlson, USA</i> <i>W. Kou, Z. Lin, M. Hinchcliff, A. Thakur, S. Falmagne, J. Prescott, E. Dorian, J. Pandolfino</i>
046	Alcohol abuse and opioid treatment are associated with esophagogastric junction disorders <i>Valeria Schindler, Switzerland</i> <i>F. Murray, D. Runggaldier, A. Bianca, A. Becker, D. Pohl</i>	006	Small bowel motility of the unprepared fasted and fed small bowel: Development of a new MRI analysis technique <i>Asseel Khalaf, United Kingdom</i> <i>A. Nowak, A. Menys, L. Marciani, S. A. Taylor, R. C. Spiller, P. A. Gowland, G. W. Moran, C. L. Hoad</i>
047	Defecation frequency and clinical depression <i>Konstantin Shemerovskii, Russia</i>	007	Effective use of gastric emptying scans in patients with borderline emptying at 2 hours: 3 hours may be diagnostic <i>Jennifer Webster, USA</i> <i>A. Benitez, H. Zhuang, L. States, K. Fiorino</i>
		008	Novel mini-capsules markers and methods for magnetic resonance imaging measurement of whole gut transit in constipation <i>Kathryn Murray, United Kingdom</i> <i>C. Hoad, A. Perkins, P. Gowland, R. Spiller, R. Harris, D. Devadason, L. Marciani</i>
		009	Inclusion of solid boluses during high-resolution manometry changes clinical diagnosis in patients with dysphagia <i>Alison Thompson, Australia</i> <i>C. Burgstad, L. Besanko, R. Heddle, C. Cock</i>

Poster Presentations by Day

Thursday, 30 August 2018

- 010 Distensibility on EGJ for POEM in patients with achalasia**
Sung-Pyo Hong, Republic of Korea
J.-S. Jang, W.-H. Kim, I.-K. Yoo, J.-Y. Cho
- 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
S.-J. Hong, H.-J. Goong, T.-H. Lee, J.-S. Lee, Y. Lee
- 015 High-resolution esophageal 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. M. Smout, A. J. Bredenoord
- 016 Esophagogastric junction distensibility is decreased in eosinophilic esophagitis: Results from a multicenter pediatric cohort**
Alain Benitez, USA
R. Turco, F. Ahmed, J. Gross, C. Li, K. Lynch, R. Verma, C. Menard-Katcher, A. Muir
- 017 Optical imaging of membrane potential in the in situ swine stomach**
Greg O'Grady, New Zealand
L. Cheng, H. Zhang, H. Yu, N. Paskaranandavadivel, G. Walcott, J. Rogers
- 018 An ambulatory acquisition system for fibre-optic high resolution colonic manometry**
Cameron Wells, New Zealand
N. Paskaranandavadivel, A. Lin, J. Penfold, D. Rowbotham, L. Cheng, I. Bissett, J. Arkwright, G. O'Grady
- 019 High-resolution electromyography for evaluating anorectal physiology**
Niranchan Paskaranandavadivel, 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. Angeli, N. Paskaranandavadivel
- 021 The defecation index as a predictor of failed rectal balloon expulsion test**
Daniella Assis, USA
E. Stein, T. Abdi, A. Kalloo
- 022 Anorectal manometry may reduce the number of rectal suction biopsy procedures needed to diagnose Hirschsprung's disease**
Rob Meinds, The Netherlands
M. Trzpis, P. Broens
- 023 Age-dependent reference values for the 'Infant Gastroesophageal Reflux Questionnaire Revised' (I-GERQ-R)**
Marinde van Lennep, The Netherlands
M. Singendonk, 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. Ciecieręga
- 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. Paskaranandavadivel, T. R. Angeli
- 030 Can EGJ outflow obstruction be considered as achalasia subtype?**
Dheyaa Al-Mashhadani, Iraq
H. Jabbar

Poster Presentations by Day

Thursday, 30 August 2018

P-06 POSTER PRESENTATION		
09:00–17:00		Ruby Lounge
Therapies for disordered gut function and functional gastrointestinal disorders		
001	Habitual FODMAPs in Hong Kong Chinese population <i>Hoi Sing Chu, Hong Kong SAR, China</i> <i>C. K. Yao, J. Muir, V. P. Yi Tan</i>	
002	Effect of DA-9701 on the gastrointestinal motility in the diabetic mice <i>Hyun-Jin Kim, Republic of Korea</i> <i>S.-S. Lee, T.-W. Kim, K.-S. Park, R.-R. Cha</i>	
003	Evaluating the efficacy of sacral nerve stimulation for patients with chronic faecal incontinence: A systematic review of randomised and non-randomised trials <i>Catherine Donnelly, United Kingdom</i> <i>S. Hamdy</i>	
004	Factors influencing clinical outcome of pneumatic dilation in achalasia: Initial results from a tertiary centre <i>Claudia-Irina Puscasu, Romania</i> <i>A. Voiosu, A. Bengus, T. Voiosu, B. Mateescu</i>	
005	Comparison of behavioral therapy and standardized doctor's information in reducing symptoms of supragastric belching <i>Jari Punkkinen, Finland</i> <i>M. Walamies, R. Haakana, M. Nyyssönen, P. Arkkila</i>	
006	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 <i>Yishai Ron, Israel</i>	
007	Anatomical and functional evidence for interaction between mu and delta opioid receptors in myenteric neurons of the mouse colon <i>Daniel Poole, Australia</i> <i>J. DiCello, A. Saito, R. Ceredig, M. Canals, S. Carbone*, D. Massotte</i>	
008	The effect of simultaneous dilatation with two balloon catheter in patients with upper esophageal sphincter dysfunction <i>Hong-Sub Lee, Republic of Korea</i> <i>Y.-K. Kim, D.-H. Kim, K.-B. Kim</i>	
009	Palvanil, a non-pungent and fast-desensitizing capsaicin analogue, modulates gastrointestinal motility and alleviates abdominal pain <i>Agata Szymaszkiewicz, Poland</i> <i>J. Włodarczyk, V. Di Marzo, M. Storr, J. Fichna, M. Zielinska</i>	
010	A case of solitary rectal ulcer syndrome presenting as a large polyp <i>Elijah Verheyen, USA</i> <i>I.-J. Paik, J. Abed, S. Prajapati</i>	
011	Mosapride citrate combined with esomeprazole is effective in gastroesophageal reflux disease by improving delayed gastric emptying: Pilot study <i>Beom-Jin Kim, Republic of Korea</i> <i>J.-Y. Park, J.-G. Kim</i>	
012	Effectiveness of per-oral endoscopic myotomy in recurrent achalasia patients with normal integrated relaxation pressure <i>Ji-Hyun Kim, Republic of Korea</i> <i>T. Y. K. Kim</i>	
013	Mosapride improves lower esophageal sphincter and esophageal body functions in patients with minor disorders of esophageal peristalsis <i>Sung-Eun Kim, Republic of Korea</i> <i>M.-I. Park, K.-W. Jung, H.-S. Je, G.-M. Kim, H.-K. Joo</i>	
014	The effect of DA-9701 on motility in isolated, vascularly perfused rat colon <i>Sei-Jin Youn, Republic of Korea</i> <i>K.-B. Kim, J.-H. Han, S.-M. Yoon, H.-B. Chae, S.-M. Park, B.-S. Ko</i>	
015	A present status of the treatment for constipation before and after the publication of the clinical guidelines of chronic constipation in Japan <i>Toshihiko Tomita, Japan</i> <i>A. Tamura, T. Horikawa, T. Kondo, K. Tozawa, T. Oshima, H. Fukui, J. Watari, H. Miwa</i>	
016	A novel ingestible gastric electrostimulation capsule system for treatment of obesity: First proof of concept animal study <i>Yehuda Ringel, Israel</i> <i>A. Melamud</i>	
017	Rikkunshito, Japanese herbal medicine improves stress-related appetite loss through the activation of reward system in the brain in rats <i>Naomi Yamaguchi, Japan</i> <i>K. Yakabi, E. Hosomi, Y. Hori, S. Ro, Y. Harada, N. Fujitsuka, S. Iizuka, K. Takayama</i>	
018	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 <i>Lisa Vork, The Netherlands</i> <i>Z. Mujagic, M. Drukker, D. Keszthelyi, J. Conchillo, M. Hesselink, J. van Os, A. Masclee, C. Leue, J. Kruimel</i>	

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
S.-K. Anandan, L. Zhao, N. Zerangue, G. Bourne, S. Shah, A. Stephenson, T. Annamalai, A. Bhandari, D. Y. Liu
- 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**
L. Nguyen, N. Fernandez-Becker, K. Regalia, M. Nandwani, M. Garcia, P. Okafor, I. Sonu, J. Clarke
- 025 Psychosocial risk factors in Irritable Bowel Syndrome (IBS) patients**
Ana Maria 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 Tantiphlachiva, 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

Poster Presentations by Day

Friday, 31 August 2018

P-07 POSTER PRESENTATION		010 Adults with Spina Bifida have alterations of rectal and intestinal epithelial barrier functions	
09:00–17:00 Ruby Lounge		Charlene Brochard, France	
Mechanisms underlying normal and disordered gastrointestinal function		R. Olivier, A. Ropert, E. Coron, L. Siproudhis, G. Bouguen, M. Neunlist	
001	Esophageal stress softening recovery is altered in the STZ-induced diabetic rats <i>Jingbo Zhao, Denmark</i> <i>H. Jiang, D. Liao, G. Wang, H. Gregersen</i>	011	The function of Cholecystokinin (CCK) on gut motility in the stomachless fish Ballan wrasse <i>Hoang Thi My Dung Le, Norway</i> <i>I. Rønnestad, K. K. Lie, J. Giroud-Argoud, Ø. Sæle</i>
002	Inflammatory molecular mechanisms and correlation with gastrointestinal symptoms in endometriosis and microscopic colitis <i>Malin Ek, Sweden</i> <i>B. Roth, B. Ohlsson</i>	012	Caloric stimulation of small bowel motility in healthy controls, BH versus FB <i>C.S. de Jonge, The Netherlands</i> <i>K. L. van Rijn, A. Menys, A. J. Nederveen, J. Stoker</i>
003	The bitter and sweet sensing mechanisms of the ghrelin cell in the stomach of lean and obese subjects <i>Qiaoling Wang, Belgium</i> <i>K. Liszt, E. Deloosse, E. Canovai, R. Farré Marti, L. Ceulemans, J. Tack, M. Lannoo, I. Depoortere</i>	013	Tagged cine-MRI for the assessment of caloric stimulation of small bowel motility <i>C.S. de Jonge, The Netherlands</i> <i>A. M. Sprengers, K. L. van Rijn, A. J. Nederveen, J. Stoker</i>
004	Relationship between gender roles and psychiatric factors in patients with Irritable Bowel Syndrome (IBS) <i>Yong-Sung Kim, Republic of Korea</i> <i>J.-H. Oh, J.-Y. Lee, J.-W. Kim, S.-J. Kang, J.-M. Choi, J.-H. Park, S.-H. Jang, J.-H. Kim</i>	014	Automatic cell tracking in Ca ²⁺ imaging recordings of the enteric nervous system using B-spline explicit active surfaces <i>Youssef Kazwiny, Belgium</i> <i>J. Pedrosa, J. D'Hooge, W. Boesmans, P. vanden Berghe</i>
005	A postprandial distal colonic motor abnormality exists in patients with diarrhoea predominant Irritable Bowel Syndrome (IBS) <i>Reizal Mohd Rosli, Australia</i> <i>R. Kumar, L. Wiklendt, D. Wattchow, R. Fraser, J. Arkwright, L. Maslen, P. Bampton, P. Dinning</i>	015	Isolation and culture of human primary neurons and glial cells from the myenteric plexus of the colon for structural, molecular and functional studies <i>Alexandra Palmer, United Kingdom</i> <i>S. Elahi, M. Edgar, J. Chin-Aleong, C. Knowles, G. Sanger</i>
006	Deletion of scavenger receptor protects against gastrointestinal dysmotility and muscularis inflammation <i>Estelle Spear, USA*</i> <i>L. Becker, A. Habtezion</i>	016	CXCL1 inhibits myosin light chain phosphorylation and intestinal contractile activity <i>Karen Uray, Hungary</i> <i>Á. Sipos, T. Docsa</i>
007	Acute, but not chronic, high fat diet delays gastric emptying in rats <i>Courtney Clyburn, USA</i> <i>R. A. Travagli, K. Browning</i>	017	Unravelling homo- and heteromeric interactions of Mas-related G protein-coupled receptors: A gut perspective <i>Rohit Arora, Belgium</i> <i>S. van Remoortel*, A. Labro, D. Snyders, R. Buckinx, J.-P. Timmermans</i>
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) <i>Omar Elgazzar, Canada</i> <i>J.-E. Ghia, N. Eissa, L. Kermarrec, G. Kirouac</i>	018	Comparison of distinct clearing protocols for three-dimensional microscopical imaging of full-thickness intestinal wall samples <i>Jean-Pierre Timmermans, Belgium</i> <i>G. D. P. Bossolani, J. R. Detrez, I. Pintelon, S. Thys, S. van Remoortel*, J. N. Zanoni, R. Buckinx, W. H. de Vos</i>
009	A prospective evaluation of Gastrointestinal Symptoms and Dysmotility in subjects with and without Hypermobility Spectrum Disorders <i>Lisa Vork, The Netherlands</i> <i>A. Masclee, B. Beckers, J. Conchillo, J. Kruimel, Q. Aziz, D. Keszthelyi</i>	019	Effect of diet-induced obesity on serotonin expression and metabolism in the zebrafish intestine <i>Leen Uyttebroek, Belgium</i> <i>S. van Remoortel*, L. Buyssens, L. Jongman, V. Wijtvet, J.-P. Timmermans, G. Hubens, L. van Nassauw</i>

*LBBB participant

Poster Presentations by Day

Friday, 31 August 2018

- 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*
H. de Schepper, M. Włodarczyk, J. Fichna, R. Buckinx, J.-P. Timmermans
- 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-Jeziorna, 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
M. Zawistowski, M. Teder-Laving, S. Walter, T. Esko, G. Abecasis, G. Farrugia, M. D'Amato
- 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*
H. Poling, J. Marchix, T. Hausfeld, N. Brown, C. Zeng, M. Neunlist, S. Hogan, M. Helmrath
- 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. Neunlist, M. Rolli-Derkinderen
- 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
F. Carbone, M. Zawistowski, M. Teder-Laving, G. Abecasis, T. Esko, J. Tack, M. D'Amato
- 033** **The inositol trisphosphate receptor-regulated isoform of the sodium bicarbonate cotransporter-1 (NBCe1, SLC4A4) is enriched in pacemaker interstitial cells of Cajal of the mouse small intestine**
Simon J. Gibbons, USA
A. Mazzone, S. T. Eisenman, P. R. Strege, G. B. Gajdos, S. A. Saravanaperumal, J.-H. Lee, M. F. Romero, T. Ordog, G. Farrugia
- 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. Martín Fontelles
- 035** **The effect of the gastro-duodenal obstruction on esophagitis**
Ki-Bae Kim, Republic of Korea
H.-D. Lee, M.-J. Lee, H.-W. Kim, J.-H. Han, S.-M. Yoon, H.-B. Chae, S.-M. Park, S.-J. Youn
- 036** **Colonic motility and permeability deficits in A53T mice**
Rachel McQuade, Australia
P. Rajasekhar*, S. Diwakarla, R. Constable, D. P. Poole, J. P. Berger, D. I. Finkelstein, J. B. Furness
- 037** **MRI of the colon: An analysis of fecal volume and stool dryness**
Esben Bolvig Mark, Denmark
A.-M. Langmach Wegeberg, M. Brendstrup Bødker, D. Grønlund, L. Riis Østergaard, J. Brøndum Frøkjær, A. Mohr Drewes
- 038** **Development of nitrergic 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 dyssynergic defecation in patients with chronic constipation**
Alison Goldin, USA
W. Chan, N. Thapa, L. Horton

Poster Presentations by Day

Friday, 31 August 2018

- 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. Scafoli, G. Marasco, E. Capelli, D. Festi, V. Stanghellini, G. Barbaro
- 041** **Dissecting molecular pathomechanisms in Hirschsprung's disease using a complementary patient-specific approach**
*Stefanie Schmitteckert, Germany**
T. Mederer, R. Roeth, L. Carstensen, P. Guenther, J. Scheuerer, N. Gretz, C. De la Torre, V. Benes, N. Paramasivam, F. Lasitschka, G. Rappold, P. Romero, B. Niesler
- 042** **Quantified terminal ileal motility during MR enterography as a biomarker of Crohn's disease activity: A prospective study**
Alex Menys, United Kingdom
C. Puylaert, C. Tutein Nolthenius, A. Plumb, J. Tielbeek, F. Vos, J. Stoker, S. A. Taylor
- 043** **Characterizing enteric neuronal pathways activated by luminal nutrients using Ca2+ imaging**
*Candice Fung, Belgium**
M. Hao, W. Boesmans, P. vanden Berghe*
- 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. Mereu, G. Giordano, C. Giaroni, F. Papaleo, M. C. Giron
- 046** **Interaction between negative mood and Intra-gastric fatty-acid Infusion and effect on appetite-related sensations and Cardiac Vagal Tone (CVT) in lean subjects**
Heather Fitzke, 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 Berghe*
- 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
F. Gao, S. A. Saravanaperumal, B. Paradise, L. Cheng, J.-H. Lee, J. Kaur, G. Gajdos, B. Simone, A. Bhagwate, Z. Sun, P. Chanana, K. Gaonkar, H. Yan, Y. Hayashi
- 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. Neruccio, 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. Bugwadia, G. Mawe, C. Pot-houlakis

Poster Presentations by Day

Friday, 31 August 2018

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| <p>058 The increasing prevalence and impact of racial differences on colonic diverticulosis in a multi-ethnic Asian country
 <i>Alex Soh, Singapore</i>
 <i>K. T. Ho Siah, D. S. Qin Ooi, S. G. Ong, J. W.-Jie Lee, S. E. Lee, K. G. Yeoh, K.-A. Gwee</i></p> <p>059 Nitroergic and VIPergic neurons associated with decreased amount of calcitonin gene-related peptide in the enteric plexus of sigmoid colon in diverticular disease
 <i>Jaune I. Lukosiene, Lithuania</i>
 <i>A. G. Pauza, K. Rysevaite-Kyguoliene, J. Kupcinskas, Z. Saladzinskas, A. Tamelis, N. Pauziene</i></p> <p>060 Inflammation downregulates alpha-synuclein expression in enteric neurons
 <i>Alice Prigent, France</i>
 <i>C. Pochard, J. Gonzales, M. Neunlist, P. Derkinderen</i></p> <p>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
 <i>Jason Baker, USA</i>
 <i>K. Harer, A. Lee, W. Hasler</i></p> <p>062 Intestinal resident macrophages refine connectivity in the enteric nervous system
 <i>Maria Francesca Viola, Belgium</i>
 <i>S. de Schepper, S. Verheijden, P. vanden Berghe, G. Boeckstaens</i></p> <p>063 Colitis-induced neurobehavioral deficits following chronic brain injury
 <i>Marie Hanscom, USA</i>
 <i>T. Aubrecht, D. Loane, T. Shea-Donohue, A. Faden</i></p> <p>064 Kv7 channel regulation of colonic motility in mice
 <i>Christopher Keating, United Kingdom</i>
 <i>A.-A. Hassan, M. Iravani</i></p> <p>065 Alteration of enteroendocrine cells number in intestinal mucosa of Irritable Bowel Syndrome (IBS) patients
 <i>Caroll Beltrán Munoz, Chile</i></p> <p>066 IBS severity and levels of depression/anxiety correlate poorly among female IBS subjects with mild to moderate anxiety and/or depression
 <i>Eileen F. Murphy, Ireland</i>
 <i>D. Groeger, T. Dinan, E. M. Quigley</i></p> <p>067 Meal enjoyment and tolerance: Sex differences
 <i>Hugo Monrroy, Spain</i>
 <i>G. Borghi, T. Pribic, A. Accarino, F. Azpiroz</i></p> | <p>068 Effects of laparoscopic sleeve gastrectomy on gastric morphology and function measured by magnetic resonance imaging: Prospective clinical trial
 <i>Mark Fox, Switzerland</i>
 <i>C. Fiorillo, G. Quero, B. Dallemagne, J. Curcic, S. Perretta</i></p> <p>069 Role of CPI-17, an endogenous myosin phosphatase inhibitory protein, for gastrointestinal motility using genetically modified mice
 <i>Masatoshi Hori, Japan</i>
 <i>A. Maki, Q. Yang, H. Ozaki, N. Kaji</i></p> <p>070 Liquid Test Meal combined with Lactulose Hydrogen Breath Test allows discrimination between Functional Dyspepsia and Healthy Volunteers
 <i>Valeria Schindler, Switzerland</i>
 <i>F. Murray, S. Giezendanner, D. Runggaldier, L. Schnurre, A. Zweig, D. Pohl</i></p> <p>071 The role of Toll-like receptor 4 in the gut barrier dysfunction in experimental postoperative ileus
 <i>Sisi Lin, Germany</i>
 <i>A. V. Bazhin, Y. Li</i></p> <p>072 Cloning of the proglucagon gene and the gastrointestinal motor functions of GLP-1 in <i>suncus murinus</i>
 <i>Hayato Taguchi, Japan</i>
 <i>S. Ojima, C. Nakahara, N. Hiura, T. Sakai, I. Sakata</i></p> <p>073 Oxidative injury to bone marrow-derived macrophages as a model of tissue macrophage polarization in diabetic gastroparesis
 <i>Gianluca Cipriani, USA</i>
 <i>S. J. Gibbons, A. M. Wright, S. T. Eisenman, D. R. Linden, T. Ordog, G. Farrugia</i></p> <p>074 Utility of high resolution Liquid Chromatography-Mass Spectrometry (LC-MS) for assessment of individual differences in intestinal permeability
 <i>Wendy Henderson, USA</i>
 <i>A. Diallo, N. Fourie, E. Walter, C. Boulineaux, L. Sherwin, P. Joseph, K. Weaver, F. Harrell, X. Zhang, P. Walter</i></p> <p>075 Comprehensive evaluation of gastrointestinal disorders in patients with joint hypermobility syndromes
 <i>Vibha Sood, USA</i>
 <i>K. El-Chammas, N. Santucci, V. Mukkada, A. Kaul</i></p> |
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Poster Presentations by Day

Friday, 31 August 2018

P-08 POSTER PRESENTATION		009	
09:00–17:00 Ruby Lounge		Selective serine protease inhibition as a therapeutic strategy for post-inflammatory visceral hypersensitivity: Role of the serine protease-PAR-TRP axis	
Pain mechanisms and visceral hypersensitivity		<i>Hannah Ceuleers, Belgium*</i> <i>S. van Remoortel*, M. de Bruyn, J. G. de Man, J.-P. Timmermans, A.-M. Lambeir, I. de Meester, B. Y. de Winter</i>	
001	Identification of modulators of intestinal nerve activity from staphylococcus aureus <i>Friederike Uhlig, United Kingdom*</i> <i>L. Grundy*, J. Castro, S. M. Brierley, S. J. Foster, D. Grundy</i>	010	Sensory testing can objectify pain in chronic pancreatitis <i>Louise Kuhlmann, Denmark</i> <i>S. S. Olesen, D. Grønlund, A. E. Olesen, A. M. Drewes</i>
002	The gastroesophageal flap valve help to diagnose the functional esophageal disease in PPI non-responders with esophageal symptom <i>Su-Jin Kim, Republic of Korea</i> <i>C.-W. Choi, S.-B. Park, H.-W. Kim, D.-H. Kang, H.-S. Nam</i>	011	Blastocystis infection alters gut homeostasis and behavior in rats <i>Manon Defaye, France</i> <i>M. Meleine, C. Nourrisson, E. Baudu, A. Lashermes, I. Wawrzyniak, M. Bonnet, F. Delbac, F. Carvalho, P. Poirier</i>
003	How modality shapes fear: Comparisons of aversive learning in the visceral, somatic and auditory domain <i>Adriane Icenhour, Germany*</i> <i>L. R. Koenen, R. J. Pawlik, J. Langhorst, H. Engler, U. Bingel, S. Elsenbruch</i>	012	Regulation of serotonergic neurotransmission by microbiota-gut axis in mouse small intestine <i>Ilaria Marsilio, Italy</i> <i>S. Cerantola, A. Paquola, V. Caputi*, C. Bucciol, A. Bertazzo, M. C. Giron</i>
004	Effect of capsaicin infusion on esophageal mucosal integrity: Results of a single blind randomized cross-over study <i>Annick Alleleyn, The Netherlands</i> <i>J. Conchillo, N. Rinsma, L. Albers, K. Cseko, Z. Helyes, D. Keszthelyi, A. Masclee</i>	013	Neuro-glial modulation associated with pelvic organs cross-sensitization: Effect on chronic visceral nociception <i>Karim Atmani, France</i> <i>M. Meleine, I. Bouleté, C. Guérin, M. Baron, D. Vaudry, J.-C. Do Rego, P. Déchelotte, A.-M. Leroi, G. Gourcerol, M. Meleine</i>
005	The effects of a diet rich in fructo-oligosaccharides on abdominal sensitivity: A study on underlying mechanisms of action <i>Jasper Kamphuis, France</i> <i>B. Guiard, P. Rivière, S. Yvon, V. Tondereau, H. Eutamène, V. Theodorou</i>	014	Effect of resolvin D1, D2 and E1 on TRPV1 activation mediated by histamine and IBS supernatants <i>Eluisa Perna, Belgium</i> <i>M. Florens, J. Aguilera, S. Theofanous, L. Decraecker, M. Wouters, G. Boeckxstaens</i>
006	The influence of the dopamine system on esophageal sensitivity in health <i>Ans Pauwels, Belgium*</i> <i>C. Broers, H. Geysen, J. Tack</i>	015	Involvement of the Toll-Like Receptor 5 on mouse colonic hypersensitivity induced by neonatal maternal separation <i>Geoffroy Mallaret, France</i> <i>A. Lashermes, M. Meleine, L. Boudieu, F. Carvalho, D. Ardid</i>
007	Mast cells infiltration and spacial relationship to mucosal afferent nerves in patients with reflux disease <i>Kornilia Nikaki, United Kingdom</i> <i>R. Silva, J. Ooi, F. Grassi, C. Lee, P. Woodland, M. Souza, D. Sifrim</i>	016	Case report: A tricky superior mesenteric artery syndrome <i>Federico Verna, Belgium</i>
008	Bilateral reduction in insular volumes are related to increased symptom burden in female IBS patients <i>Nawroz Barazanji, Sweden</i> <i>O. Bednarska, S. T. Witt, M. Engström, Å. Keita, R. Simon, S. Walter</i>	017	Profiles of acid ion channels and 5-hydroxytryptamine receptors in a rat model of gastro-esophageal reflux disease <i>Gudrun Ulrich-Merzenich, Germany</i> <i>L. Welslau, A. Shcherbakova, O. Kelber, S. Rabin, H. Aziz-Kalbhenn</i>

Poster Presentations by Day

Friday, 31 August 2018

018 Food antigen-specific immune response as an underlying pathophysiological mechanism in Irritable Bowel Syndrome (IBS)

Javier Aguilera-Lizarraga, Belgium

M. Florens, D. Balemans, R. Bisschops, A. Dena-dai-Souza, P. Jain, C. Breynaert, M. Wouters, G. Boeckxstaens

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

Ruby Lounge

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. Clim, C. Zuico, C. Stanciu

002 Proton pump inhibitor use and the risk of cholangitis: A nationwide cohort study

Yang-Won Min, Republic of Korea

H. Lee, B.-H. Min, J.-H. Lee, P.-L. Rhee, J. J. Kim

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

L. Olavarria-Ramirez, G. Lach, J. Cryan, T. Dinan, B. Griffin, N. Hyland, G. Clarke

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

B. Pussig, J. Tóth, A. Pauwels, L. Timmermans, L. van Oudenhove, I. Depoortere, J. Tack, E. Deloof*

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

R. Murthy, G. Major, V. Wilkinson-Smith, C. Hoad, S. Gill, M. Rossi, K. Whelan, L. Marciani, R. Spiller

011 The fecal microbial ecosystem is distinct according to bowel habit characteristics in Irritable Bowel Syndrome (IBS)

Cesare Cremon, Italy

S. Guglielmetti, G. Gargari, V. Taverniti, W. Fiore, M. R. Barbaro, L. Bellacosa, E. Capelli, V. Stanghellini, G. Barbara

012 Fiber-enriched diet may increase lower esophageal resting pressure in NERD

Sergey Morozov, Russia

V. Isakov, M. Kononova, V. Kropochev

013 Escherichia coli nissle 1917 restores intestinal permeability: Implication for Irritable Bowel Syndrome (IBS)

Daniele Fuschi, 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

Poster Presentations by Day

Friday, 31 August 2018

P-10 POSTER PRESENTATION		011	Colonic pseudo-obstruction with transition zone: A peculiar eastern severe dysmotility running title. Pathology and clinical outcomes of colonic pseudo-obstruction <i>Eun-Mi Song, Republic of Korea</i> S.-J. Myung, K.-W. Jung, B.-D. Ye, J.-S. Byeon, S.-K. Yang, H.-J. Lee, C.-W. Kim, S.-H. Park, J.-H. Kim
09:00–17:00 Ruby Lounge		012	Baseline impedance measurement might be a useful tool for the diagnosis of laryngopharyngeal reflux <i>Yusuf Serdar Sakin, Turkey</i> S. Bor, J. Oors, A. J. Bredenoord, A. J. P. M. Smout
Pathophysiological and clinical aspects of functional esophagogastro-intestinal disorders		013	The usefulness of baseline impedance level measurement for the diagnosis of gastroesophageal reflux disease in endoscopy-negative patients with esophageal or supraesophageal symptoms <i>Kwang-Jae Lee, Republic of Korea</i> C.-K. Noh
001	Anxiety or depression in IBS: Interaction with other symptoms and pathophysiology using multivariate analyses <i>Irina Midenfjord, Sweden</i> A. Polster, H. Törnblom, M. Simré	014	The role of defecography on obstructed defecation syndrome <i>Joao Correia de Sousa, Portugal</i> P. Salgueiro, M. Rocha, F. Castro Poças, I. Pedroto
002	Altered intestinal permeability in postoperative ileus in a guinea pig model <i>Da-Hyun Jung, Republic of Korea</i> J.-H. Jahng, Y.-J. Lee, H.-J. Park	015	Association between anxiety and depression and gastroesophageal reflux disease in the general population <i>Seung-Joo Kang, Republic of Korea</i> J.-M. Choi, J.-I. Yang, Y.-M. Han, S.-J. Chung, D.-H. Yoon, Y.-S. Kim
003	Influence of itopride and domperidone on gastric tone and on the perception of gastric distention in healthy subjects <i>Karen van den Houte, Belgium</i> F. Carbone, A. Pauwels*, R. Vos, T. Vanuytsel, J. Tack	016	Expression levels of tight junction proteins in Irritable Bowel Syndrome (IBS) according to the disease subtype and sex <i>Ju-Yup Lee, Republic of Korea</i> N.-Y. Kim, J.-H. Park, R.-H. Nam, S.-M. Lee, D.-H. Lee
004	Immaturity of the rectoanal inhibitory reflex as a cause for constipation in infants <i>Rob Meinds, The Netherlands</i> M. Trzpis, P. Broens	017	Quantification of abnormal fasting duodenal phase-3 contractions using high resolution manometry in suspected small intestinal dysmotility <i>William Hasler, USA</i> K. Harer, J. Baker
005	Are there small intestinal motility disorders in Irritable Bowel Syndrome (IBS) patients? <i>Ana María Madrid, Chile</i> M. Hevia, D. Vera	018	Effect of opioid type and dosing on Opioid-induced Esophageal Dysfunction (OIED) <i>Michael Crowell, USA</i> D. Snyder, J. Horsley-Silva, F. C. Ramirez, D. Fleischer, M. Vela
006	Clinical impact of lower esophageal sphincter function on the symptom assessment of non-erosive reflux disease <i>Beom-Jin Kim, Republic of Korea</i> J. Y. Park, J.-G. Kim	019	Insufficient Rome III criteria to diagnose pure functional abdominal pain: The need of ruling out chronic abdominal wall pain <i>Kyung-Ho Song, Republic of Korea</i> K.-C. Huh, K.-H. Ryu, H.-S. Koo, S.-M. Kim, T.-H. Lee, Y.-W. Choi, Y.-W. Kang
007	The influences of visceral obesity on the erosive esophagitis and the minimal change esophagitis <i>Jae-Hak Kim, Republic of Korea</i> B. G. Kim	020	The socioeconomic burden of IBS in a Dutch population <i>Zsa Zsa Weerts, The Netherlands</i> D. Keszthelyi, D. Janssen, L. Vork, B. Essers, D. Jonkers, A. Masclee
008	Efficacy of S-Pantoprazole 10 mg in the symptom control of non-erosive reflux disease: A phase III placebo-controlled trial <i>Yu-Kyung Cho, Republic of Korea</i> M.-G. Choi, C.-H. Lim, J.-C. Won		
009	Changes of diagnosis and differences of evidence level by the Lyon consensus for gastroesophageal reflux disease <i>Kyoung-Won Jung, Republic of Korea</i> M.-I. Park, S.-J. Park, W. Moon, S.-E. Kim, J.-H. Kim		
010	The causes of refractory GORD symptoms in tertiary referral patients in Korea <i>Myung-Gyu Choi, Republic of Korea</i> Y.-G. Mun, H.-H. Lee, C.-H. Lim, Y.-K. Cho, J.-M. Park, M.-K. Baeg		

*LBBB participant

Poster Presentations by Day

Friday, 31 August 2018

- 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 Verkuil, 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
Neelesh Tipnis, USA
T. Ciecieręga
- 027** History of vaginal delivery independently predicts increased risk of dyssynergic defecation in women with constipation
Namisha Thapa, USA
W. Chan, 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
G. Puentes, O. Patarroyo, A. Ovalle, A. Ardila-Hani, A. M. Leguizamo, A. Hani

- 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. Rupp
- 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 Ovsepiyan, 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

P-11	POSTER PRESENTATION
09:00–17:00	Ruby Lounge
Technologies for the assessment of esophagogastrintestinal motility and perception	
001	Relationship between duodeno-gastric reflux in myocardial perfusion scintigraphy and GI symptoms <i>Elijah Verheyen, USA</i> <i>I.-J. Paik, J. Abed, E. DePuey, D. Casteneda</i>
002	Relationship between pressure values of high resolution manometry and distensibility of EndoFLIP in the function of esophagogastric junction <i>Shin-Hee Kim, Republic of Korea</i> <i>J.-H. Shin, S.-J. Hong, I.-K. Yoo, J.-Y. Cho, S.-P. Hong, Y.-N. Lee</i>
003	EGJ distensibility decreases in the post-operative period following surgical myotomy for achalasia <i>Ryan J. Campagna, USA</i> <i>E. N. Teitelbaum, J. M. Sternbach, D. A. Carlson, P. J. Kahrilas, J. E. Pandolfino, N. J. Soper, E. S. Hungness</i>
004	The value of the defecation index in constipated patients without dyssynergia based on anorectal manometry <i>Daniella Assis, USA</i> <i>E. Stein, T. Abdi, A. Kalloo</i>

Poster Presentations by Day

Friday, 31 August 2018

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| <p>005 Contractions of human colonic smooth muscle as a bioassay of neuromyopathy in critical illness
Robert Patejdl, Germany
T. Noack, F. Klawitter, J. Ehler</p> <p>006 Intraoperative assessment of the responses of lower oesophageal sphincter pressure and the frequency of gastroesophageal reflux to artificial pneumoperitoneum in patients receiving laparoscopic surgeries
Chih-Jun Lai, Taiwan
Y.-J. Cheng</p> <p>007 CLARITY and three-dimensional (3D) imaging of the mouse and porcine colonic innervation
Pu-Qing Yuan, USA
L. Wang, M. Mulugeta, Y. Taché</p> <p>008 Pressure flow analysis of viscous bolus media provides novel insights into bolus perception
Charles Cock, Australia
A. Barnes, T. Omari</p> <p>009 High Resolution Perfusion Anorectal Manometry (HRPAM): Validation of a Brazilian system
Ricardo Viebig, Brazil
J. Franco, S. Araujo, D. Gualberto</p> <p>010 Longitudinal outcomes on prokinetic drugs in suspected gastroparesis relating to delayed gastric emptying on scintigraphy vs. wireless motility capsule testing
Baharak Moshiree, USA
S. Rao, R. McCallum, R. Krause, L. Nguyen, M. Schulman, A. Lee, J. Wo, H. Parkman, B. Kuo, W. Hasler</p> <p>011 Simulated evacuation of high resolution anaorectal manometry with or without rectal balloon distension
Joon-Seong Lee, Republic of Korea
S.-O. Jeong, T.-H. Lee, S.-J. Hong, Y.-S. Cho, J.-S. Park, S.-R. Jeon, H.-G. Kim, J.-O. Kim</p> <p>012 Demographic, clinical and manometric features of a cohort of Chilean patients with Achalasia diagnosed in the high resolution era
Claudia Defilippi, Chile
M. Hevia</p> <p>013 Achalasia with normal integrated relaxation pressure
Valeria Kaibysheva, Russia
A. Gasanov, A. Smirnov, E. Fedorov, S. Shapovaliantc</p> <p>014 Additional simulated defecation procedure might facilitate management in constipation patients with discordant anorectal function tests results
Tanisa Patcharatrakul, Thailand
S. Gonlachanvit</p> | <p>015 A low proximal esophageal basal impedance does not predict the presence of extra-esophageal manifestations of gastroesophageal reflux disease
Thomas Zikos, USA*
I. Sonu, G. Triadafilopoulos, K. Regalia, M. Nandwani, L. Nguyen, N. Fernandez-Becker, J. Clarke</p> <p>016 Automated analysis and quantification of high-resolution colonic manometry data
Niranchan Paskaranandavadi, New Zealand
S. Sathar, A. Lin, I. Bissett, L. Cheng, G. O'Grady</p> <p>017 Mean nocturnal baseline impedance correlates with abnormal pharyngeal reflux events in patients with suspected laryngopharyngeal reflux
Jennifer Cai, USA
W. Chan, L. Borges, K. Hathorn, T. Carroll, N. Feldman</p> <p>018 The role of high-resolution manometry for the diagnosis of GERD
Young-Hee Choe, Republic of Korea
C.-H. Lim, Y.-K. Cho</p> <p>019 Development of a real-time patient-reported outcome measure for symptom assessment in patients with functional dyspepsia using the experience sampling method
Fabiënne Smeets, The Netherlands
D. Keszthelyi, L. Vork, J. Tack, N. Talley, M. Simrén, Q. Aziz, A. Ford, J. Conchillo, J. Kruimel, J. van Os, A. Masclee</p> <p>020 A smartphone application for symptom assessment and data collection in medical trials: Example from an IBS drug intervention trial
Zsa Zsa Weerts, The Netherlands
A. Qanjel, L. Vork, D. Jonkers, A. Masclee, D. Keszthelyi</p> <p>021 Postreflux swallow-induced peristaltic wave index and mean nocturnal baseline impedance are decreased in GERD patients with Barrett's esophagus
Vikram Rangan, USA
W. Chan, W.-K. Lo, N. Feldman</p> <p>022 Reflux Symptom Index (RSI) score independently correlates with esophageal hypomotility in patients with suspected Laryngopharyngeal Reflux (LPR) symptoms
Lawrence Borges, USA
W. Chan, S. Salgado, K. Hathorn, T. Carroll, N. Feldman</p> <p>023 Effect of acute stress on gastroesophageal reflux disease and functional heartburn
Sezgi Kipcak, Turkey
I. Polat, A. S. Gonul, S. Bor</p> |
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Poster Presentations by Day

Friday, 31 August 2018

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| <p>024 Transcutaneous electrogastrography: Normal parameters in Brazilian population
 <i>Nayara Carvalho, Brazil</i>
 <i>P. Carvalho, T. Rodriguez, R. Barbuti, G. Andrade de Paula</i></p> <p>025 Concurrent abnormal non-acid reflux is associated with chronic rejection in lung transplant patients with acid reflux on pre-transplant testing
 <i>Wai-Kit Lo, USA</i>
 <i>W. Chan, H. Goldberg</i></p> <p>026 Baseline impedance on high-resolution esophageal impedance-manometry is associated with non-elective hospitalization after lung transplantation
 <i>Wai-Kit Lo, USA</i>
 <i>W. Chan, H. Goldberg</i></p> <p>027 Abnormal pharyngeal reflux on combined hypopharyngeal-esophageal impedance-pH monitoring predicts abnormal Reflux Symptom Index (RSI) score in patients with suspected Laryngopharyngeal Reflux (LPR)
 <i>Sanjay Salgado, USA</i>
 <i>W. Chan, L. Borges, K. Hathorn, T. Carroll</i></p> <p>028 pH-impedance monitoring identifies clinically significant reflux disease following lung transplantation not seen with conventional pH testing
 <i>Trina Kellar, Australia</i>
 <i>A. Finch, S. Dawson, J. Swain, S. McClements, L. Myers, J. Thomas, T. Rahman, P. Hopkins, R. Hodgson</i></p> | <p>005 Cleansing enema for constipation in hospitalized patients of tertiary hospitals: A multicenter retrospective study
 <i>Jung-Wook Kim, Republic of Korea</i>
 <i>J.-E. Shin, T.-H. Lee, S.-E. Kim, Y.-J. Lee, H.-S. Ryu, S.-Y. Park, J.-G. Kwon, K.-S. Park</i></p> <p>006 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
 <i>Douglas C.A. Taylor, USA</i>
 <i>J. L. Abel, J. A. Doshi, C. Martin, A. Goolsby Hunter, B. Essoi, S. Korner, R. T. Carson, D. S. Reasner, W. D. Chey</i></p> <p>007 The effects of prolonged dosage of delta opioid receptor agonists on colonic motility in the mouse: Analgesics without GI motility-associated side effects?
 <i>Jesse Dicello, Australia</i>
 <i>A. Saito, R. McQuade, B. Sebastian, M. Canals, S. Carbone*, D. Poole</i></p> <p>008 Peroral endoscopic myotomy for benign esophageal stricture: A case report
 <i>Tian Yang, China</i>
 <i>G. Xu, L. Wang, N. Zhang, X. Zou</i></p> <p>009 Efficacy and safety of AlbisD® in patients with nonerosive reflux disease: A randomized, open-label, active-controlled, pilot study compared with omeprazole 20 mg
 <i>Sang-Pyo Lee, Republic of Korea</i>
 <i>O.-Y. Lee, E.-J. Kim, K.-N. Lee, B.-C. Yoon, S.-J. Lee, J.-Y. Jang, J.-W. Cho, T.-O. Kim</i></p> <p>010 Results of Peroral Endoscopic Myotomy (POEM) in children with achalasia: Results of literature review
 <i>Marinde van Lennep, The Netherlands</i>
 <i>M. Singendonk, M. van Wijk, T. Omari, M. Benninga</i></p> <p>011 Efficacy and safety of DWJ1252 in the treatment of functional dyspepsia: A multicenter, randomized, double-blind, active-controlled study compared with Gasmotin®
 <i>Kang-Nyeong Lee, Republic of Korea</i>
 <i>O.-Y. Lee, M.-G. Choi, S.-C. Choi, N.-Y. Kim, H.-J. Park, I.-K. Sung, C.-I. Sohn, J.-Y. Jang, P.-L. Rhee, K.-S. Park</i></p> <p>012 Effectiveness of botulinum toxin A injection for the patients with dysphagia due to decreased relaxation time of upper esophageal sphincter
 <i>Jung-Ho Park, Republic of Korea</i>
 <i>C.-I. Sohn</i></p> <p>013 Dimethyl fumarate versus hemin for the induction of heme oxygenase 1 as treatment strategy for murine postoperative ileus
 <i>Jonas van Dingenen, Belgium</i>
 <i>R. A. Lefebvre</i></p> |
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| P-12 | POSTER PRESENTATION |
| 09:00–17:00 | Ruby Lounge |
| Therapies for disordered gut function and functional gastrointestinal disorders | |
| <p>001 How do auricular neuro-stimulations alter gastric bioelectrical slow waves?
 <i>Peng Du, New Zealand</i>
 <i>A. Sukasem, Y. Cakmak</i></p> <p>002 POEM for non-achalasia esophageal motility disorders
 <i>Sung-Pyo Hong, Republic of Korea</i>
 <i>W.-H. Kim, I.-K. Yoo, J.-Y. Cho</i></p> <p>003 Experiences and anesthetic considerations of peroral endoscopic myotomy for esophageal achalasia performed in an endoscopy suite setting
 <i>Ping-Huei Tseng, Taiwan</i>
 <i>M.-H. Liao, C.-C. Chen, H.-P. Wang, M.-S. Wu, S.-Z. Fan</i></p> <p>004 Mesenchymal stem cell therapy in chronic colitis: Potential therapeutic mechanisms in alleviating oxidative stress and enteric neuropathy
 <i>Rhian Stavelly, Australia*</i>
 <i>A. Robinson, R. Filippone, A. Rahman, S. Sakkal, K. Nurgali</i></p> | |

Poster Presentations by Day

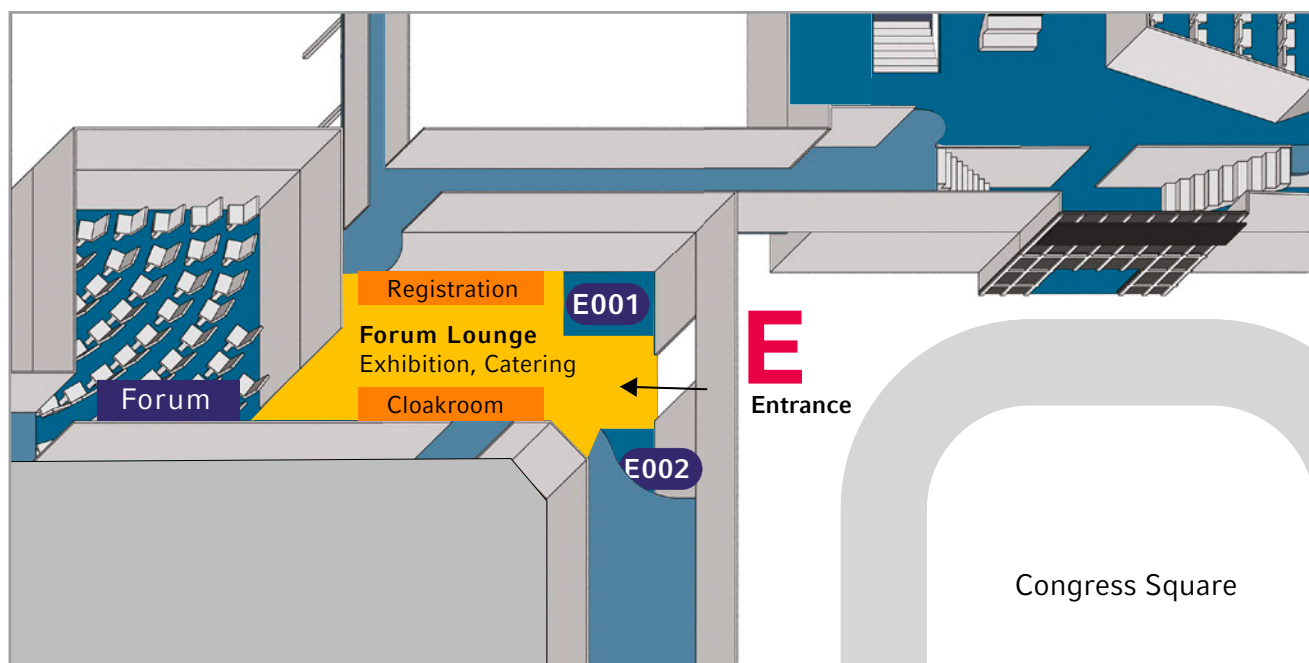
Friday, 31 August 2018

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| <p>014 STW 5 is effective in functional dyspepsia symptoms
 <i>Vincenzo Stanghellini, Italy</i>
 <i>S. Rabini, M. Wargenau</i></p> <p>015 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)
 <i>Enrique Rey, Spain</i>
 <i>N. Piqué, B. Serrano Falcón</i></p> <p>016 Efficacy and safety of pneumatic dilation in achalasia: A systematic review and meta-analysis
 <i>Froukje van Hoeij, The Netherlands</i>
 <i>L. Prins, A. J. Bredenoord, A. J. P. M. Smout</i></p> <p>017 Effect of faecal microbiota transplantation on gut microenvironment and symptoms in patients with Irritable Bowel Syndrome
 <i>Tarek Mazzawi, Norway</i>
 <i>G. Lied Arslan, J. R. Hov, J. Valeur, D. A. Sangnes, M. El-Salhy, O. H. Gilja, J. G. Hatlebakk, T. Hausken</i></p> <p>018 Effects of BST104, an extracts of <i>Ionicera japonica</i>, on functional dyspepsia in animal models
 <i>Byoung-Wook Bang, Republic of Korea</i>
 <i>E.-J. Ko, H.-K. Kim, Y.-W. Shin, K.-S. Kwon</i></p> <p>019 Domperidone treatment does not significantly prolong QTc interval: A large single center study
 <i>Justin Field, USA</i>
 <i>M. Krazewski, R. Bhuta, Z. Malik, J. Cooper, H. Parkman, R. Schey</i></p> <p>020 Synergy: A key to the treatment of functional GI diseases
 <i>Olaf Kelber, Germany</i>
 <i>K. Nieber</i></p> <p>021 A randomized controlled study on the effects of curcuminoid on Intestinal Permeability (IP) evaluated by urine Lactulose Mannitol Ratio (LMR) after Aspirin ingestion
 <i>Panyavee Pitisuttithum, Thailand</i>
 <i>T. Patcharatrakul, S. Gonlachanvit, D. Werawatganon</i></p> <p>022 Real world experience of naloxegol in treating opioid induced constipation
 <i>Adam Farmer, United Kingdom</i>
 <i>J. Ruffle*, C. Bruckner Holt</i></p> <p>023 Evaluating why and when patients discontinue chronic therapy for IBS with constipation and chronic constipation: A real-world experience
 <i>Eric Shah, USA</i>
 <i>S. Suresh, J. Jou, W. Chey, R. Stidham</i></p> | <p>024 Anorectal function in Malaysian children with Hirschsprung disease after definitive surgery: An academic hospital experience
 <i>Yee Ian Yik, Malaysia</i>
 <i>Y. W. Koay</i></p> <p>025 Interdisciplinary self-help intervention for IBS – eHealth and patient education
 <i>Birgitte Berentsen, Norway</i>
 <i>C. Kristianslund Thuen, M. Liltvedt Andersen, T. Hausken, J. G. Hatlebakk</i></p> <p>026 International consensus conference on dumping syndrome diagnosis and management
 <i>Emidio Scarpellini, Italy</i>
 <i>J. Arts, K. George, A. Laurenus, W. Siquini, H. Suzuki, A. Ukleja, A. van Beek, T. Vanuytsel, J. Tack, DSCC Research Group</i></p> <p>027 Effects of dexrabeprazole on intragastric and intraesophageal acidity in gastroesophageal reflux disease
 <i>Serhat Bor, Turkey</i>
 <i>M. Bektas</i></p> <p>028 A meta-analysis on the cardiac safety profile of domperidone compared to metoclopramide
 <i>Serhat Bor, Turkey</i>
 <i>M. Demir, O. Ozdemir, K. Yuksel</i></p> <p>029 Dysphagia due to esophageal peptic stricture from an inlet patch in a child treated with balloon dilation and Argon plasma coagulation
 <i>Vibha Sood, USA</i>
 <i>N. Santucci, K. El-Chammas, A. Kaul</i></p> <p>030 Electroceuticals: Porcine model development to study the effect of neuromodulation on colonic motility
 <i>Muriel Larauche, USA</i>
 <i>P.-M. Wang, G. Dubrovsky, Y. Wang, Y.-K. Lo, I. Hsiang, J. Dunn, W. Liu, Y. Taché, M. Million</i></p> <p>031 Targeting CCR3-eotaxin axis alleviates gastrointestinal dysfunction in the Winnie Murine Model of spontaneous chronic colitis
 <i>Rhiannon Filippone, Australia</i>
 <i>R. Stavely*, V. Apostolopoulos, K. Nurgali</i></p> <p>032 Piezo proteins and enteric nervous system: Is there a link with mechanosensitivity?
 <i>Gemma Mazzuoli-Weber, Germany</i>
 <i>E. M. Kugler, C. I. Bühler, F. K. Kreutz, I. E. Demir, G. Ceyhan, F. Zeller, M. Schemann</i></p> |
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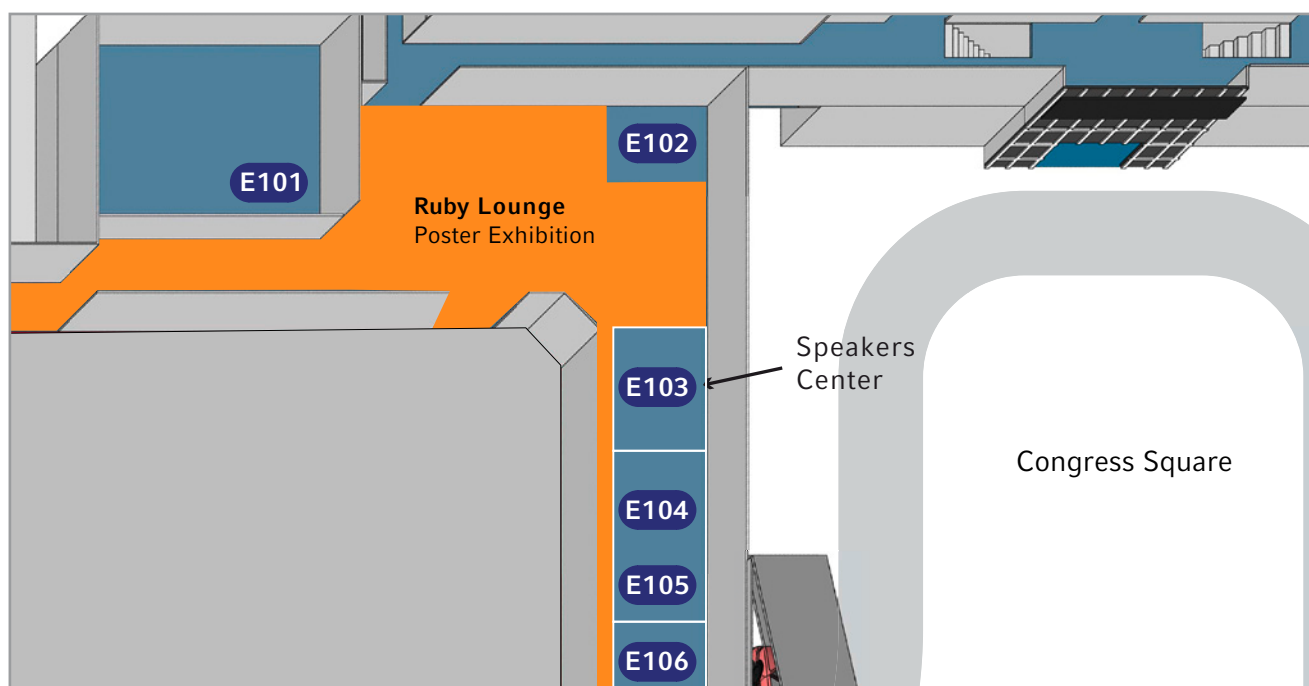
Floorplan RAI Amsterdam

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 Credits™. 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.

Registration fees	Postgraduate Course	Scientific Meeting	PACKAGE Postgraduate Course and Scientific Meeting
Members of ESNM, ANMS, ANMA, ANGMA and SLNG	EUR 210	EUR 600	EUR 700
Non-Members	EUR 240	EUR 650	EUR 750
Residents, Post-Doctoral Fellows, Trainees*	EUR 105	EUR 300	EUR 350

* 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.

CO CONGRESS ONLINE®

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:

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- 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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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
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P-07 – P-012

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
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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
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P-07 – P-12

Saturday, 1 September 2018	13:00 – 13:30
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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>

Currency, Bank and ATM

Bank and ATM Banks are open weekdays only, between 9:00 and 17:30. The Euro is the official currency in the Netherlands. Foreign currency can be exchanged at the Schiphol airport, Central Station and at most hotels, banks and exchange offices throughout the city.

Electricity

The voltage in the Netherlands is 230 Volts, 50 Hertz. Sockets meet European regulations and use the two-round pin system.

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 stoping 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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Acknowledgements / List of Exhibitors

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

Company	Booth No.
FNM 2020 – 4 th Meeting of the Federation of Neurogastroenterology and Motility	10
ANMS – American Neurogastroenterology and Motility Society	5
Diversatek Healthcare	8
Dr. Falk Pharma GmbH	3
ESNM – European Society of Neurogastroenterology & Motility	6
LABORIE	4
Medtronic	1
Noventure	2
The Rome Foundation	7

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 Pandolfino, 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
Saturday, 1 September 2018	09:00 – 13:00

ESNM
European Society
of Neurogastroenterology

List of Chairpersons and Presenters

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ESNM

European Society
of Neurogastroenterology
& Motility



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the Date**
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of Neurogastroenterology and Motility

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www.admedic.pt

■ **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. *Older 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. **Paediatric population:** 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 ulcerative colitis and toxic megacolon/megarectum. **Warnings and precautions:** Caution should be exercised when prescribing Resolor to patients with severe hepatic impairment (Child-Pugh class C) due to 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. cardiovascular or lung disease, neurological or psychiatric disorders, cancer or AIDS and other endocrine disorders) have not been established in controlled clinical trials. Caution should be exercised when prescribing Resolor to patients with these conditions especially when used in patients with a history of arrhythmias or ischaemic 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 unknown. *Animal studies* do not indicate direct or indirect harmful effects with respect to pregnancy, embryonal/foetal development, parturition or postnatal development (see section 5.3). Resolor is not recommended during pregnancy. *Breast-feeding:* Prucalopride is excreted in breast milk. However, at therapeutic doses of Resolor, no effects on breastfed newborns/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 1,360 patients were treated with 4 mg prucalopride daily. The most frequently reported adverse reactions associated with Resolor 2mg therapy are 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 (ARs):* headache, nausea, diarrhea, abdominal pain. *Common ARs (>1/100, < 1/10):* decreased appetite, dizziness, Vomiting, dyspepsia, flatulence, gastrointestinal sounds abnormal. **Overdosage:** An overdose may result in symptoms resulting from an exaggeration of prucalopride's known pharmacodynamic effects and include headache, nausea and diarrhoea. Specific treatment is not available for Resolor overdose. Should an overdose occur, the patient should be treated symptomatically and supportive measures instituted, as required. Extensive fluid loss by diarrhoea or vomiting may require correction of electrolyte disturbances. **Marketing Authorisation Holder:** Shire Pharmaceuticals Ireland Limited, Block 2 & 3 Miesian, Plaza 50 – 58 Baggot Street Lower, Dublin 2, Ireland. Further information is available on request.

Adverse Events should be reported to Shire at:
drugsafety@shire.com



Motility matters in chronic constipation



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