



# FNM 2020

## 4th Meeting of the Federation of Neurogastroenterology & Motility

Adelaide Convention Centre  
Adelaide, Australia  
14 – 17 April 2021

### Wednesday 14th April 2021

14:00	Registration	
17:20	Opening Presentation <i>Hall L</i> <b>Professor Robin Warren</b> ( <i>Australia</i> ), Nobel Laureate <b>Discovery of H-Pylori in Peptic Ulcer Disease</b>	
18:20	Life-Time Achievement Award – <i>Hall L</i> <b>Professor Michael Gershon</b> ( <i>Columbia University, USA</i> )	
18:30	<b>Welcome Reception</b> <i>Hall FG</i>	
19:30	Open Public Lecture <i>Hall L</i>	Diet, Microbes and Mental Health <b>Felice Jacka</b> ( <i>Australia</i> )
	Open Public Lecture <i>Hall L</i>	A Gut Feeling About the Brain <b>John Cryan</b> ( <i>Ireland</i> )

## Thursday 15th April 2021

8:30	Official Welcome		
Symposium 1	<b>Obesity and The Gut</b> <i>Hall L</i>		
	<i>Chairs: Amanda Page (Australia) &amp; Leonie Heilbronn (Australia)</i>		
8:45	Microbiome, Diet and Obesity Intervention <b>Andrew Holmes</b> (Australia)		
9:10	Changes in Gut Function with Obesity <b>Helen Raybould</b> (USA)		
9:35	Personalised Approaches to Obesity <b>Andres Acosta</b> (USA)		
10:00	Motility Changes After Bariatric Surgery <b>Michael Talbot</b> (Australia)		
10:30	Morning Break		
Concurrent sessions	<b>Upper GI disorders: Diagnosis &amp; Treatment</b> <i>Hall L</i>	<b>State of the Art: Translational Applications In The Study Of Dysmotility</b> <i>City Rooms 1-3</i>	<b>Enteric Nervous System: Circuitry &amp; Function</b> <i>Riverbank Rooms 7-8</i>
	<i>Chairs: David Watson (Australia) &amp; Geoff Kohn (Australia)</i>	<i>Chairs: Mark Scott (UK) &amp; Phil Dinning (Australia)</i>	<i>Chairs: Jack Wood (USA) &amp; Gemma Mazzuoi-Weber (Germany)</i>
11:00	Diagnosis GERD <b>André Smout</b> (Netherlands) (Invited Speaker)	Emerging Methods for Evaluating Gastric Motility <b>Greg O'Grady</b> (New Zealand) (Invited Speaker)	New Insights Into ENS Circuits and Function <b>Marcello Costa</b> (Australia) (Invited Speaker)
11:30	Management of Reflux Hypersensitivity and Functional Heartburn <b>Ronnie Fass</b> (USA) (Invited Speaker)	The New Understanding Of Colonic Motility: When Clinicians Speak With Basic Scientists (Lower Gut) <b>Maura Corsetti</b> (UK) (Invited Speaker)	Imaging the Enteric Nervous System In Health and Disease <b>Pieter Vanden Berghe</b> (Belgium) (Invited Speaker)

12:00	The Relation Between Gastric Motility, as Assessed with the Novel VIPUN Balloon Catheter, Gastric Emptying and Nutrient Load <b>Nick Goelen</b> (Selected Abstract)	High-Resolution Colonic Manometry Reveals Postprandial Motility Differences Between Constipation Subtypes. <b>Victoria Wilkinson-Smith</b> (Selected Abstract)	Functional Testing in Zebrafish to Determine Causal Genes Included in Large Copy Number Deletions Found in Hirschsprung Disease Patients with Additional Associated Anomalies <b>Laura Kuil</b> (Selected Abstract)
12:15	Correlation Between Antroduodenal Manometry and Histopathology in Paediatric Intestinal Pseudo-obstruction. <b>Atchariya Chanpong</b> (Selected Abstract)	Defaecatory Function Testing of Constipated Patients with a Simulated Stool <b>Hans Gregersen</b> (Selected Abstract)	EphB2 Receptor Regulates the Connectivity and Activity of Enteric Neurons <b>Moustapha Cisse</b> (Selected Abstract)
12:30	Lunch Break and Poster Viewing		
<i>Concurrent Sessions</i>	<b>Gut Dysfunction &amp; Systemic Disorders</b> <i>Hall L</i>	<b>FGIDs: A world view (based on "Rome IV: Global study")</b> <i>City Rooms 1-3</i>	<b>EC &amp; EE Cells Contributing To Mucosal Signalling</b> <i>Riverbank Rooms 7 - 8</i>
	<i>Chairs: Roberto De Giorgio (Italy) &amp; Bridget Southwell (Australia)</i>	<i>Chairs: Jan Tack (Belgium) &amp; John Kellow (Australia)</i>	<i>Chairs: Damien Keating (Australia) &amp; John Furness (Australia)</i>
14:00	What Role does GI Dysfunction Play in ASD? <b>Kara Margolis (USA)</b> (Invited Speaker)	A 33-Country Population-Based Study of the Prevalence and Burden of the Functional GI Disorders <b>Ami D. Sperber (Israel)</b> (Invited Speaker)	The Touching Story of Enterochromaffin Cell Mechanosensitivity <b>Art Beyder (USA)</b> (Invited Speaker)
14:30	Parkinson's Disease: it's Not All in Your Head <b>Alberto Travagli (USA)</b> (Invited Speaker)	A Comparison of Findings Between the Rome IV Global Epidemiology Study and Previous Studies <b>Max Schulson (Mexico)</b> (Invited Speaker)	A Gut Choice for Sugars <b>Diego Bohorquez (USA)</b> (Invited Speaker)
15:00	LIG3 Mutations Cause A New Type of Mitochondrial Neurogastrointestinal Encephaloneuromyopathy <b>Francesca Bianco</b> (Selected Abstract)	The Rome IV PI-IBS Working Team <b>Giovanni Barbara (Italy)</b> (Invited Presentation)	Different Luminal Nutrients Activate Distinct Patterns of Myenteric Neurons. <b>Candace Fung</b> (Selected Abstract)

15:15	Evaluation of Defecation Disorders in Children with Autism Spectrum Disorder by Colonic Manometry <b>Khalil El-Chammas</b> (Selected Abstract)		Sensory Epithelial Gastrointestinal Enteroendocrine Cells Use Different Signaling Pathways for Chemo and Mechanotransduction. <b>Constanza Alcaino</b> (Selected Abstract)
15:30	Afternoon Break		
<i>Concurrent Sessions</i>	<b><i>Integrated &amp; Complementary Treatments for FGIDs</i></b> <i>City Rooms 1 - 3</i>	<b><i>Microbiome-Gut-Brain-Axis</i></b> <i>Hall L</i>	<b><i>Ageing &amp; Sex Differences in GI Motility &amp; Transit</i></b> <i>Riverbank Rooms 7 - 8</i>
	<i>Chairs: Charles Knowles (UK) &amp; Geoff Kohn (Australia)</i>	<i>Chair: Purna Kashyap (Country) &amp; John Cryan (Ireland)</i>	<i>Chairs: Jim Galligan (USA) &amp; Kara Margolis (USA)</i>
16:00	Complementary and Alternative Medicine: Myths or Facts? <b>Justin Wu (Hong Kong)</b> (Invited Speaker)	Brain-Gut Interactions and Gut Microbiota in Irritable Bowel Syndrome <b>Shin Fukudo (Japan)</b> (Invited Speaker)	Gastrointestinal Motility in Aged Mice <b>Hongzhen Hu (USA)</b> (Invited Speaker)
16:30	Diet as a Risk Factor and Treatment Target for Mental and Brain Health: Does our Gut Hold the Key? <b>Amy Loughman (Australia)</b> (Invited Speaker)	Modulating the Gut Microenvironment as a Treatment Strategy for Irritable Bowel Syndrome <b>Magnus Simren (Sweden)</b> (Invited Speaker)	Where Have All the ICC Gone? A Chromatin-Based Push-Pull Mechanism for Gastric Aging <b>Tamas Ordog (USA)</b> (Invited Speaker)
17:00	Alternative treatments of abdominal and or pelvic pain <b>Lorimer Moseley (Australia)</b> (Invited Speaker)	Role of Colonic Mucosal MicroRNA and Host-Microbiome interactions in Irritable Bowel Syndrome. <b>Swapna Mahurkar-Joshi</b> (Selected Abstract)	Neonatal Exposure to the Antibiotic Vancomycin Induces Long Term Effects on the Microbiota Enteric Nervous System and Host Metabolism. <b>Jaime Foong</b> (Selected Abstract)
17:15		Metabolomic and Microbial Profiles Identify Subsets of Diarrhea Predominant Irritable Bowel Syndrome <b>Sean Bennet</b> (Selected Abstract)	Estrogens Induce Visceral Hypersensitivity and Low-Grade Inflammation in Male Rats After Early Life Stress. <b>Alison Accarie</b> (Selected Abstract)
17:30	Break		

Plenary Session	<i>Chairs Peter Gibson (Australia) &amp; Marcello Costa (Australia)</i>
17:45	Role of Diet in Functional Bowel Disorders: Toward a Mechanism-Based Treatment <i>Hall L</i> <b>Robin Spiller (UK)</b>
18:15	The ENS: Evolution, Function and Malfunction <i>Hall L</i> <b>John Furness (Australia)</b>

## Friday 16th April 2021

Concurrent Sessions	<b>Neuro-oncology of the Gastrointestinal Tract</b> <i>Hall L</i>	<b>Miscellaneous Best Scored Abstracts</b> <i>City Rooms 1 - 3</i>	<b>Highlights from Little Brain to Big Brain</b> <i>Riverbank Rooms 7 - 8</i>
	<i>Chairs: Robert Hofstra (Holland) &amp; Rachel Gibson (Australia)</i>	<i>Chairs: Pieter Vanden Berghe (Belgium) &amp; Simon Brookes (Australia)</i>	<i>Chairs: Simona Carbone (Australia) &amp; Luke Grundy (Australia)</i>
7:30	NDGR4- When Tumours Get Nervous <b>Veerle Melotte (Netherlands)</b> (Invited Speaker)	Role of Muscularis Macrophages in the Maintenance of NOS1+ Enteric Neurons <b>Gianluca Cipriani</b> (Selected Abstract)	<b>Alyce Martin (Australia)</b>
7:45		An Insulin-Like Peptide 5 Related Agonist, INSL5-A13, Stimulates Colorectal Propulsion via the Relaxin Family Peptide 4 Receptor <b>John Furness</b> (Selected Abstract)	<b>Naomi Tjaden (USA)</b>
8:00	Nerve Signalling in Gastric Cancer <b>Yoku Hayakawa (Japan)</b> (Invited Speaker)	Antibiotic Exposure During Adolescence Disrupts the Neurochemistry and Function of Enteric Neurons <b>Lin Yung Hung</b> (Selected Abstract)	<b>Andres Gottfried (USA)</b>
8:15		GWAS of stool frequency reveals genes, pathways, and cell types relevant to human gastrointestinal motility and irritable bowel syndrome <b>Mauro D'Amato</b>	<b>Heidi Staudacher (Australia)</b>

		(Selected Abstract)	
Symposium 2	<b>Mechanisms in Functional GI disorders</b> <i>Hall L</i>		
	<i>Chairs: Michael Camilleri (USA) &amp; Kwang Jae Lee (Korea)</i>		
8:30	New Clinical Perspectives in FGIDs <b>Nick Talley</b> (Australia)		
9:00	Immune Activation in FGID <b>Guy Boeckxstaens</b> (Belgium)		
9:30	Role of the Gut-Brain Axis in FGIDS <b>Lin Chang</b> (USA)		
10:00	Neuro-Immune Effects on Sensation in FGIDs <b>Nathalie Vergnolle</b> (France)		
10:30	Morning Break		
Concurrent sessions	<b>Personalising Treatments For Functional Disorders – Clinical Debate Session</b> <i>Hall L</i>	<b>Neuro-Immune Interactions in IBS/IBD</b> <i>City Rooms 1 -3</i>	<b>Transformative New Technologies For Neurogastroenterology</b> <i>Riverbank Rooms 7 – 8</i>
	<i>Chairs: Lin Chang (USA) &amp; Nick Talley (Australia)</i>	<i>Chairs: Patrick Hughes (Australia) &amp; Stuart Brierley (Australia)</i>	<i>Chairs: Andrea Harrington (Australia) &amp; Simona Carbone (Australia)</i>
11:00	Psychological Treatment for Intervention in Functional Disorders <b>Gerald Holtmann</b> (Australia) (Invited Speaker)	Neuro-Immune Mediators in Intestinal Disorders <b>Nicolas Cenac</b> (France) (Invited Speaker)	Organoids and Beyond: Integrated Models for Neurogastroenterology. <b>Maxime Mahe</b> (France) (Invited Speaker)
11:15	FODMAP Dietary Strategy <b>Peter Gibson</b> (Australia) (Invited Speaker)		
11:30	Pharmacological Treatments for Functional Disorders <b>Jan Tack</b> (Belgium) (Invited Speaker)	Consequences of Intestinal Inflammation on GI-Physiology <b>Hyojin Park</b> (Korea) (Invited Speaker)	Novel Methods for Studying Vagal Sensory Neurons <b>Will De Lartigue</b> (USA) (Invited Speaker)

11:45	Antibiotics in Functional Disorders <b>Uday Ghoshal</b> (India) (Invited Speaker)		
12:00		Vagus Nerve Stimulation Ameliorates Murine Colitis by Dampening Intestinal Inflammation <b>Natalie Stakenborg</b> (Selected Abstract)	Use of epigenetics and optogenetics in Neurogastroenterology <b>Tijs Louwies</b> (USA) (Invited Speaker)
12:15	Interactive Clinical Discussion/Debate	Allosteric modulation of the delta opioid receptor improves dysmotility in preclinical models of irritable bowel syndrome <b>Jesse DiCello</b> (AUS) (Selected Abstract)	
12:30	Lunch Break and Poster Viewing		
<i>Concurrent sessions</i>	<b>Functional Oesophageal Disorders</b> <i>Hall L</i>	<b>Epithelial Barrier &amp; Gut Dysfunction</b> <i>City Rooms 1 – 3</i>	<b>Visceral Sensation/ Pain &amp; The New Molecular Targets</b> <i>Riverbank 7 - 8</i>
	<i>Chairs: Geoff Kohn (Australia) &amp; André Smout (The Netherlands)</i>	<i>Chairs: Guy Boeckxstaens (Belgium) &amp; David Grundy (UK)</i>	<i>Chairs: Simon Brookes (Australia) &amp; Nathalie Vergnolle (France)</i>
14:00	Esophageal Pain - Current State of Art <b>Ravinder Mittal</b> (USA) (Invited Speaker)	From Infected to Irritable Bowel: a Barrier Dysfunction Problem? <b>Madhu Grover</b> (USA) (Invited Speaker)	Modulation of Colonic Afferents by Luminal Factors <b>Steve Vanner</b> (Canada) (Invited Speaker)
14:30	The Role of Provocative Testing in Routine High Resolution Manometry, is it Necessary? <b>Daphne Ang</b> (Singapore) (Invited Speaker)	Intestinal Epithelium, Gatekeeper for IBS?" <b>Kok Ann Gwee</b> (Singapore) (Invited Speaker)	Molecular Targets in Visceral Nociceptors <b>Stuart Brierley</b> (Australia) (Invited Speaker)
15:00	Evaluating the Impact of Position, Volume and Consistency on High Resolution Oesophageal Manometry Outcomes <b>Chamara Basnayake</b> (Selected Abstract)	Anti-Inflammatory Actions of an Intraluminally Acting 5-HT4 Receptor Agonist <b>Brigitte Lavoie</b> (Selected Abstract)	Gut-Innervating Nociceptor Neurons Regulate Peyer's Patch Microfold Cells and Segmented Filamentous Bacteria Levels to Protect Against Salmonella Infection <b>Nicole Lai</b> (Selected Abstract)

15:15	Serial Diagnostic Study: Effect of Position and Provocative Tests on the Diagnosis of Oesophageal Motility Disorders by High-Resolution Manometry <b>Mark Fox</b> (Selected Abstract)	Gastrointestinal Infection Breaks Tolerance to Dietary Antigens and Triggers Food-Induced Abdominal Pain <b>Javier Aguilera-lizarraga</b> (Selected Abstract)	Illuminating Central Neurocircuitry Underlying Visceral Pain via Optogenetics in Rats <b>Anthony Johnson</b> (Selected Abstract)
15:30	Afternoon Break		
<i>Concurrent sessions</i>	<b>Interactive Discussion Panel: Difficult Clinical Cases Of Motility Disorders</b> <i>Hall L</i>	<b>Functional Dyspepsia</b> <i>Riverbank Rooms 7 - 8</i>	<b>Gut-Brain Axis</b> <i>City Rooms 1 - 3</i>
	<i>Chairs: Maura Corsetti (UK) &amp; Magnus Simren (Sweden)</i>	<i>Chairs: Andre Smout (Netherlands) &amp; Gerald Holtmann (Australia)</i>	<i>Chairs: Steve Vanner (Canada) &amp; Stuart Brierley (Australia)</i>
15:50	Absent Contractility After Fundoplication": Could it be Recovery? <b>Albis Hani</b> ( <i>Colombia</i> ) (Invited Speaker)	Duodenal Pathophysiology <b>Hiroto Miwa</b> ( <i>Japan</i> ) (Invited Speaker)	Role of Central Vagal Circuits in Gut Motility in Health and Disease <b>Kirsteen Browning</b> ( <i>USA</i> ) (Invited Speaker)
16:10	Can Esophageal Motor Disorders Change Over Time? <b>Claudia Defilippi</b> ( <i>Chile</i> ) (Invited Speaker)		
16:20		Dietary Therapies in Functional Dyspepsia <b>Victoria Tan</b> ( <i>Hong Kong</i> ) (Invited Speaker)	A New Approach to Decoding the Gut-Brain Axis <b>Nick Spencer</b> ( <i>Australia</i> ) (Invited Speaker)
16:30	TBA <b>Geoff Kohn</b> ( <i>Australia</i> ) (Invited Speaker)		
16:50	Actionable Bio Markers in FGID <b>Michael Camilleri</b> ( <i>USA</i> ) (Invited Speaker)	Self-Reported Non-Celiac Wheat Sensitivity in Patients with Chronic Unexplained (Functional) Gastrointestinal Symptoms <b>Gerald Holtmann</b> (Selected Abstract)	Connecting the Brain to the Gut: Efferent Neurocircuitry of Neuropod Cells <b>Maya Kaelberer</b> (Selected Abstract)
17:05			Coupling Properties of Dopamine/ Ghrelin Receptor Heteromers that are Controllers of Gastrointestinal Functions <b>Linda Fothergill</b> (Selected Abstract)
17:10	Interactive Discussion Open Panel		
17:20	Break		



Concurrent sessions	<b>Advances in GI Imaging</b> City Rooms 1 - 3	<b>Control of GI Smooth Muscle</b> Hall L	<b>Great Late-Breaking Abstracts</b> Riverbank Rooms 7 - 8
	<i>Chairs: Trygve Hausken (Norway) &amp; Karen Jones (Australia)</i>	<i>Chairs: Joel Bornstein (Australia) &amp; Gary Mawe (USA)</i>	<i>Chairs: Hongzhen Hu (USA) &amp; Nathalie Rommel (Belgium)</i>
17:30	Developments in Imaging the Gut Using Nuclear Medicine <b>Prab Takhar (Australia)</b> (Invited Speaker)	Control of intestinal and colonic motility by the super-network of ICC, smooth muscle and nerves <b>Jan Huizinga (Canada)</b> (Invited Speaker)	Clinical Impact of Rectal Hyposensitivity: a Cross-Sectional Study of 2,876 Patients with Functional Constipation <b>Rebecca Burgell</b> (Abstract Selected)
17:45			Exploring the Interactions Between the Developing Enteric Nervous System and its Surrounding Tissues with an Intestinal Organoid Model and Single-Cell Sequencing <b>Elise Loffet</b> (Abstract Selected)
18:00	fMRI-Based Biomarkers for (Visceral) Pain Perception: One or Many? <b>Lukas van Oudenhove (Belgium)</b> (Invited Speaker)	Ca <sup>2+</sup> regulation of interstitial cells provide fundamental regulation of motility <b>Ken Sanders (USA)</b> (Invited Speaker)	Predictors of Treatment Response to Diet or Medication in a Large Controlled Trial in Primary Care IBS <b>Karen Van den Houte</b> (Abstract Selected)
18:15			Glial Endothelin-type B Receptor is a Potential Pathogenic Mechanism in Postoperative Ileus <b>Egina Villalobos-Hernandez</b> (Abstract Selected)
18:30	Increased Symptom and Brain Responses to Intragastric Administration of FODMAPS in Patients with Irritable Bowel Syndrome Versus Healthy Subjects <b>Imke Masuy</b> (Selected Abstract)	Human Intestinal Smooth Muscle Progenitors Generate Orientated Muscle Layers for Intestinal Regeneration <b>Silvia Perin</b> (Selected Abstract)	
18:45	Detection of Colitis Induced Intestinal and Kidney Fibrosis Using $\alpha$ -pro-MMP9 Immuno-PET <b>Patrick Hughes</b> (Selected Abstract)	Effects of Provocative Testing on Phase III Migrating Motor Complex in Children With Normal Antroduodenal Manometry <b>Dr Khalil El-Chammas</b> (Selected Abstract)	Intraluminal Nutrients and Distension Trigger Changes in Intracellular Calcium Activity in the Enteric Nervous System of Adult Mice <b>Jean-Baptiste Cavin</b> (Abstract Selected)
19:00	<b>Conference Dinner</b> <i>"A taste of South Australia: Outside function at the Adelaide Convention Centre"</i>		

## Saturday 17th March 2020

Concurrent sessions	<b>Advances in Pharmacological and Non-Pharmacological Treatments of Constipation.</b> Hall L	<b>Top Ranked Abstracts</b> Riverbank Rooms 7 - 8	<b>Rome Foundation Interactive Symposium On Disorders Of Gut Brain Interaction: What to Do and How to Do it</b> City Rooms 1 - 3
	Chairs: Geoff Hebbard (Australia) & Michael Camilleri (USA)		Chairs: Douglas A. Drossman (USA), John Kellow (Australia) Lin Chang (USA), Jan Tack (Belgium), Johannah Ruddy (USA)
7:00	Evaluation and Pharmacological Advances in Treatment of Constipation <b>Satish Rao (USA)</b> (Invited Speaker)	Wnt/R-Spondin/Frizzled Signaling – following bread crumbs to understand postnatal enteric progenitor regulation <b>Peter Neckel (Germany)</b>	Case Based Learning of DGBI (Invited Speaker)
7:15		Nitric oxide modulates intracellular Ca <sup>2+</sup> in intramuscular interstitial cells of Cajal of the mouse internal anal sphincter <b>Caroline Cobine (USA)</b>	
7:30	Dyssynergic Defecation and Biofeedback Therapy <b>Sutep Gonlachanvit (Thailand)</b> (Invited Speaker)	Optogenetic inhibition of colon epithelium reduces hypersensitivity in a mouse model of inflammatory bowel disease <b>Sarah Najjar (France)</b>	Communication Skills: It's Not Only What You Do but How You Do it That Makes the Difference (Invited Speaker)
7:45		Fermentable carbohydrates induce visceral and abdominal hypersensitivity and mucus barrier dysregulation in mice through increased mucosal mast cell populations <b>Jasper Kamphuis (USA)</b>	
8:00	Non-pharmacological treatment of constipation including biofeedback <b>Charles Knowles (UK)</b> (Invited Speaker)	A high fat diet alters endocannabinoid and ghrelin mediated regulation of orexigenic receptor expression in nodose ganglia <b>Stewart Christie (Australia)</b>	

8:15		Direct activation of tuft cells by transient receptor potential subfamily M member 5 (TRPM5) agonists increases colonic motility and secretion through induction of a Th2 cytokine response and mobilization of non-neuronal acetylcholine <b>Richard Myers (USA)</b>	
Concurrent sessions	<b>Diabetes, Gastroparesis, Transit &amp; The Gut</b> Hall L	<b>Enteropathies</b> City Rooms 1 -3	<b>Glial Cells In The Gut</b> Riverbank Rooms 7 - 8
	Chairs: <i>Michael Horowitz (Australia) &amp; Christine Feinle-Bisset (Australia)</i>	Chairs: <i>Kulmira Nurgali (Australia) &amp; Raquel Abalo (Spain)</i>	Chairs: <i>Michel Neunlist (France) &amp; Marlene Hao (Australia)</i>
8:30	Gastroparesis and Functional Dyspepsia: a Distinction Without a Difference <b>Jay Pasricha (USA)</b> (Invited Speaker)	Enteric Neuromuscular Disease: Lessons from Early Life <b>Nikhil Thapar (UK)</b> (Invited Speaker)	Modulation of Enteric Circuits and Intestinal Immune Responses by Enteric Glia <b>Brian Gulbransen (USA)</b> (Invited Speaker)
9:15	Disordered gastric emptying in diabetes-prevalence, pathogenesis and management <b>Michael Horowitz (Australia)</b> (Invited Speaker)	Novel Insights on Human Enteric Neuropathies <b>Roberto De Giorgio (Italy)</b> (Invited Speaker)	The Enteric Neuron-Glia Liaison <b>Werend Boesmans (Belgium)</b> (Invited Speaker)
10:00	Mechanisms Linking Low-Calorie Sweeteners to Impaired Glycaemic Control <b>Denise Kreuch</b> (Selected Abstract)	Long-term Functional Outcomes in Patients with Hirschsprung's Disease with Different Lengths of the Aganglionosis <b>Sanne Verkuijl</b> (Selected Abstract)	Distinct 'Low' and 'High' Threshold Mechanosensors Exist in Enteric Glia and Neurons, Respectively – Deemed to be an Important Regulatory Pathway in Peristalsis <b>Elvio Mazzotta</b> (Selected Abstract)
10:15	Pyloric Diameter and Distensibility Responses Utilizing EndoFLIP to Compare Double vs. Single Myotomy in Gastroparesis Patients Following G-POEM <b>Lydia Watts</b> (Selected Abstract)	Inhibition of Axonal Outgrowth by Sema3A in Enteric Neurons and its Potential Implication in Hirschsprung Disease <b>Michael Neunlist</b> (Selected Abstract)	The Role of IL-1-Dependent Glial Activation in the Inflamed Gut of Mice and Humans <b>Reiner Schneider</b> (Selected Abstract)
10:30	Morning Break		
Symposium 3	<b>Neurogastroenterology and the Microbiome</b> Hall L		

	<i>Chairs: Geraint Rogers (Australia) &amp; Helen Raybould (USA)</i>
11:00	Fecal Microbiota Transplantation <b>Sam Costello</b> (Australia)
11:30	The Microbiome In Functional Disorders <b>Purna Kashyap</b>
12:00	Psychobiotics <b>John Cryan</b> (Ireland)
12:30	<b>Conference Close</b>