



Wednesday 25th March 2020

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

Thursday 26th March 2020

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

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

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

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

Friday 27th March 2020

7:30 – 8:30	Neuro-oncology of the Gastrointestinal Tract <i>Hall L</i>	Miscellaneous Best Scored Abstracts <i>City Rooms 1 - 3</i>	Highlights from Little Brain to Big Brain <i>Riverbank Rooms 7 - 8</i>
	<i>Chairs: Robert Hofstra (Holland) & Rachel Gibson (Australia)</i>	<i>Chairs: Pieter Vanden Berghe (Belgium) & Simon Brookes (Australia)</i>	<i>Chairs: Simona Carbone (Australia) & Luke Grundy (Australia)</i>
7:30	NDGR4- When Tumours Get Nervous Veerle Melotte (Netherlands) (Invited Speaker)	(7:30) Role of Muscularis Macrophages in the Maintenance of NOS1+ Enteric Neurons Gianluca Cipriani (Selected Abstract)	
		(7:45) An Insulin-Like Peptide 5 Related Agonist, INSL5-A13, Stimulates Colorectal Propulsion via the Relaxin Family Peptide 4 Receptor John Furness (Selected Abstract)	
8:00	Nerve Signalling in Gastric Cancer Yoku Hayakawa (Japan) (Invited Speaker)	(8:00) Antibiotic Exposure During Adolescence Disrupts the Neurochemistry and Function of Enteric Neurons Lin Yung Hung (Selected Abstract)	

		(8:15) GWAS of stool frequency reveals genes, pathways, and cell types relevant to human gastrointestinal motility and irritable bowel syndrome Mauro D'Amato (Selected Abstract)	
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Symposium 2	Mechanisms in Functional GI disorders <i>Hall L</i>		
	<i>Chairs: Michael Camilleri (USA) & Kwang Jae Lee (Korea)</i>		
8:30	New Clinical Perspectives in FGIDs Nick Talley (<i>Australia</i>)		
9:00	Immune Activation in FGID Guy Boeckxstaens (<i>Belgium</i>)		
9:30	Role of the Gut-Brain Axis in FGIDS Lin Chang (<i>USA</i>)		
10:00	Neuro-Immune Effects on Sensation in FGIDs Nathalie Vergnolle (<i>France</i>)		
10:30	Morning Break		
<i>Concurrent sessions</i>	Personalising Treatments For Functional Disorders – Clinical Debate Session <i>Hall L</i>	Neuro-Immune Interactions in IBS/IBD <i>City Rooms 1 -3</i>	Transformative New Technologies For Neurogastroenterology <i>Riverbank Rooms 7 – 8</i>
	<i>Chairs: Lin Chang (USA) & Nick Talley (Australia)</i>	<i>Chairs: Patrick Hughes (Australia) & Stuart Brierley (Australia)</i>	<i>Chairs: Andrea Harrington (Australia) & Simona Carbone (Australia)</i>
11:00	Psychological Treatment for Intervention in Functional Disorders Gerald Holtmann (<i>Australia</i>) (Invited Speaker)	Neuro-Immune Mediators in Intestinal Disorders Nicolas Cenac (<i>France</i>) (Invited Speaker)	Organoids and Beyond: Integrated Models for Neurogastroenterology. Maxime Mahe (<i>France</i>) (Invited Speaker)
11:15	FODMAP Dietary Strategy Peter Gibson (<i>Australia</i>) (Invited Speaker)		
11:30	Pharmacological Treatments for Functional Disorders Jan Tack (<i>Belgium</i>) (Invited Speaker)	(11:30) Consequences of Intestinal Inflammation on GI-Physiology Hyojin Park (<i>Korea</i>) (Invited Speaker)	(11:30) Novel Methods for Studying Vagal Sensory Neurons Will De Lartigue (<i>USA</i>) (Invited Speaker)
11:45	Antibiotics in Functional Disorders Uday Ghoshal (<i>India</i>) (Invited Speaker)		

12:00	Interactive Clinical Discussion/Debate	(12:00) Vagus Nerve Stimulation Ameliorates Murine Colitis by Dampening Intestinal Inflammation Natalie Stakenborg (Selected Abstract)	(12:00) Use of epigenetics and optogenetics in Neurogastroenterology Tijs Louwies (USA) (Invited Speaker)
12:15		Sacral Nerve Stimulation Inhibits the MAPK/NF- κ B Signaling Pathway and Promotes Treg -Th1/Th17 Cell Balance and Self-Renewal of Enteric Nervous System in TNBS-Induced Inflammation in Rats Yan Meng (Selected Abstract)	
12:30	Lunch Break and Poster Viewing		

<i>Concurrent sessions</i>	Functional Oesophageal Disorders <i>Hall L</i>	Epithelial Barrier & Gut Dysfunction <i>City Rooms 1 – 3</i>	Visceral Sensation/ Pain & The New Molecular Targets <i>Riverbank 7 - 8</i>
	<i>Chairs: Geoff Kohn (Australia) & André Smout (The Netherlands)</i>	<i>Chairs: Guy Boeckxstaens (Belgium) & David Grundy (UK)</i>	<i>Chairs: Simon Brookes (Australia) & Nathalie Vergnolle (France)</i>
14:00	Esophageal Pain - Current State of Art Ravinder Mittal (USA) (Invited Speaker)	From Infected to Irritable Bowel: a Barrier Dysfunction Problem? Madhu Grover (USA) (Invited Speaker)	Modulation of Colonic Afferents by Luminal Factors Steve Vanner (Canada) (Invited Speaker)
14:30	The Role of Provocative Testing in Routine High Resolution Manometry, is it Necessary? Daphne Ang (Singapore) (Invited Speaker)	Intestinal Epithelium, Gatekeeper for IBS?" Kok Ann Gwee (Singapore) (Invited Speaker)	Molecular Targets in Visceral Nociceptors Stuart Brierley (Australia) (Invited Speaker)
15:00	Evaluating the Impact of Position, Volume and Consistency on High Resolution Oesophageal Manometry Outcomes Chamara Basnayake (Selected Abstract)	Anti-Inflammatory Actions of an Intraluminally Acting 5-HT4 Receptor Agonist Brigitte Lavoie (Selected Abstract)	Gut-Innervating Nociceptor Neurons Regulate Peyer's Patch Microfold Cells and Segmented Filamentous Bacteria Levels to Protect Against Salmonella Infection Nicole Lai (Selected Abstract)
15:15	Serial Diagnostic Study: Effect of Position and Provocative Tests on the Diagnosis of Oesophageal Motility Disorders by High-Resolution Manometry Mark Fox (Selected Abstract)	Gastrointestinal Infection Breaks Tolerance to Dietary Antigens and Triggers Food-Induced Abdominal Pain Javier Aguilera-lizarraga (Selected Abstract)	Illuminating Central Neurocircuitry Underlying Visceral Pain via Optogenetics in Rats Anthony Johnson (Selected Abstract)
15:30	Afternoon Break		
<i>Concurrent sessions</i>	Interactive Discussion Panel: Difficult Clinical Cases Of Motility Disorders <i>Hall L</i>	Functional Dyspepsia <i>Riverbank Rooms 7 - 8</i>	Gut-Brain Axis <i>City Rooms 1 - 3</i>
	<i>Chairs: Maura Corsetti (UK) & Magnus Simren (Sweden)</i>	<i>Chairs: Andre Smout (Netherlands) & Gerald Holtmann (Australia)</i>	<i>Chairs: Steve Vanner (Canada) & Stuart Brierley (Australia)</i>
15:50	Absent Contractility After Fundoplication": Could it be Recovery? Albis Hani (Colombia) (Invited Speaker)	Duodenal Pathophysiology Hiroto Miwa (Japan) (Invited Speaker)	Role of Central Vagal Circuits in Gut Motility in Health and Disease Kirsteen Browning (USA) (Invited Speaker)

16:10	Can Esophageal Motor Disorders Change Over Time? Claudia Defilippi (Chile) (Invited Speaker)	(16:20) Dietary Therapies in Functional Dyspepsia Victoria Tan (Hong Kong) (Invited Speaker)	(16:20) A New Approach to Decoding the Gut-Brain Axis Nick Spencer (Australia) (Invited Speaker)
16:30	TBA Geoff Kohn (Australia) (Invited Speaker)		
16:50	Actionable Bio Markers in FGID Michael Camilleri (USA) (Invited Speaker)	Self-Reported Non-Celiac Wheat Sensitivity in Patients with Chronic Unexplained (Functional) Gastrointestinal Symptoms Gerald Holtmann (Selected Abstract)	Connecting the Brain to the Gut: Efferent Neurocircuitry of Neuropod Cells Maya Kaelberer (Selected Abstract)
17:10	Interactive Discussion Open Panel		(17:05) Coupling Properties of Dopamine/ Ghrelin Receptor Heteromers that are Controllers of Gastrointestinal Functions Linda Fothergill (Selected Abstract)
17:20	Break		
<i>Concurrent sessions</i>	Advances in GI Imaging City Rooms 1 - 3	Control of GI Smooth Muscle Hall L	Great Late-Breaking Abstracts Riverbank Rooms 7 - 8
	<i>Chairs: Trygve Hausken (Norway) & Karen Jones (Australia)</i>	<i>Chairs: Joel Bornstein (Australia) & Gary Mawe (USA)</i>	<i>Chairs: Hongzhen Hu (USA) & Nathalie Rommel (Belgium)</i>
17:30	Developments in Imaging the Gut Using Nuclear Medicine Prab Takhar (Australia) (Invited Speaker)	An Intravital Window to Image the Colon in Real Time Bradley Barth (USA) (Invited Speaker)	(17:30) Clinical Impact of Rectal Hyposensitivity: a Cross-Sectional Study of 2,876 Patients with Functional Constipation Rebecca Burgell (Abstract Selected)

18:00	fMRI-Based Biomarkers for (Visceral) Pain Perception: One or Many? Lukas van Oudenhove (Belgium) (Invited Speaker)	Ca ²⁺ Signaling in Interstitial Cells Provide Fundamental Regulation of Motility Caroline Cobine (USA) (Invited Speaker)	(17:45) Exploring the Interactions Between the Developing Enteric Nervous System and its Surrounding Tissues with an Intestinal Organoid Model and Single-Cell Sequencing Elise Loffet (Abstract Selected)
18:30	Increased Symptom and Brain Responses to Intragastric Administration of FODMAPS in Patients with Irritable Bowel Syndrome Versus Healthy Subjects Imke Masuy (Selected Abstract)	Human Intestinal Smooth Muscle Progenitors Generate Orientated Muscle Layers for Intestinal Regeneration Silvia Perin (Selected Abstract)	(18:00) Predictors of Treatment Response to Diet or Medication in a Large Controlled Trial in Primary Care IBS Karen Van den Houte (Abstract Selected)
18:45	Detection of Colitis Induced Intestinal and Kidney Fibrosis Using α -pro-MMP9 Immuno-PET Patrick Hughes (Selected Abstract)	Effects of Provocative Testing on Phase III Migrating Motor Complex in Children With Normal Antroduodenal Manometry Dr Khalil El-Chammas (Selected Abstract)	(18:15) Glial Endothelin-type B Receptor is a Potential Pathogenic Mechanism in Postoperative Ileus Egina Villalobos-Hernandez (Abstract Selected)
19:00	Conference Dinner <i>"A taste of South Australia: Outside function at the Adelaide Convention Centre"</i>		

Saturday 28th March 2020

	Advances in Pharmacological and Non-Pharmacological Treatments of Constipation. Hall L	Curriculum Survey Results on NGM Riverbank Rooms 7 - 8	Rome Foundation Interactive Symposium On Disorders Of Gut Brain Interaction: What to Do and How to Do it City Rooms 1 - 3
	Chairs: Geoff Hebbard (Australia) & Michael Camilleri (USA)	Chair: C P Gyawali (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 Satish Rao (USA) (Invited Speaker)	NGM Curriculum Survey Update C. Prakash Gyawali	Case Based Learning of DGBI (Invited Speaker)
7:30	Dyssynergic Defecation and Biofeedback Therapy Sutep Gonlachanvit (Thailand) (Invited Speaker)	(7:45) ANMS-sponsored Symposium: Mentorship matters: effective mentoring strategies to support career development in neurogastroenterology and motility	Communication Skills: It's Not Only What You Do but How You Do it That Makes the Difference (Invited Speaker)
8:00	Non-pharmacological treatment of constipation including biofeedback Charles Knowles (UK) (Invited Speaker)	Peter Gibson, Monash University Gary Mawe, University of Vermont Helen Raybould, University of California, Davis Jason Baker, University of Michigan	
<i>Concurrent sessions</i>	Diabetes, Gastroparesis, Transit & The Gut Hall L	Enteropathies City Rooms 1 -3	Glial Cells In The Gut Riverbank Rooms 7 - 8
	Chairs: Michael Horowitz (Australia) & Christine Feinle-Bisset (Australia)	Chairs: Kulmira Nurgali (Australia) & Raquel Abalo (Spain)	Chairs: Michel Neunlist (France) & Marlene Hao (Australia)
8:30	Gastroparesis and Functional Dyspepsia: a Distinction Without a Difference Jay Pasricha (USA) (Invited Speaker)	Enteric Neuromuscular Disease: Lessons from Early Life Nikhil Thapar (UK) (Invited Speaker)	Modulation of Enteric Circuits and Intestinal Immune Responses by Enteric Glia Brian Gulbransen (USA) (Invited Speaker)

9:15	Disordered gastric emptying in diabetes-prevalence, pathogenesis and management Michael Horowitz (Australia) (Invited Speaker)	Novel Insights on Human Enteric Neuropathies Roberto De Giorgio (Italy) (Invited Speaker)	The Enteric Neuron-Glia Liaison Werend Boesmans (Belgium) (Invited Speaker)
10:00	Mechanisms Linking Low-Calorie Sweeteners to Impaired Glycaemic Control Denise Kreuch (Selected Abstract)	Long-term Functional Outcomes in Patients with Hirschsprung's Disease with Different Lengths of the Aganglionosis Sanne Verkuil (Selected Abstract)	Distinct 'Low' and 'High' Threshold Mechanosensors Exist in Enteric Glia and Neurons, Respectively – Deemed to be an Important Regulatory Pathway in Peristalsis Elvio Mazzotta (Selected Abstract)
10:15	Pyloric Diameter and Distensibility Responses Utilizing EndoFLIP to Compare Double vs. Single Myotomy in Gastroparesis Patients Following G-POEM Lydia Watts (Selected Abstract)	Inhibition of Axonal Outgrowth by Sema3A in Enteric Neurons and its Potential Implication in Hirschsprung Disease Michael Neunlist (Selected Abstract)	The Role of IL-1-Dependent Glial Activation in the Inflamed Gut of Mice and Humans Reiner Schneider (Selected Abstract)
10:30	Morning Break		
Symposium 3	Neurogastroenterology and the Microbiome <i>Hall L</i>		
	<i>Chairs: Geraint Rogers (Australia) & Helen Raybould (USA)</i>		
11:00	Fecal Microbiota Transplantation Sam Costello (Australia)		
11:30	The Microbiome In Functional Disorders Purna Kashyap		
12:00	Psychobiotics John Cryan (Ireland)		
12:30	Conference Close		