

# The Enteric Nervous System

## Satellite meeting of FNM2020

### LIVE EVENT PROGRAM

National Wine Centre, Adelaide

*Organised by Nick Spencer & Marcello Costa*

	8.00 am		Registration open
	8.20 am	Marcello Costa	Opening address
	8.45 am	John Dent	Luminal Chemoreceptors and Intrinsic Nerves - Key Modulators of Digestive Motor Function
Session 1 Chair: Simon Brookes	9.00 am	Michael Gershon	The shaggy dog story of enteric signaling: serotonin, a molecular megillah
	9.15 am	John Furness	Comparative and evolutionary aspects of the ENS
	9.30 am	Jack Wood	Mucosal Serotonin
	9.45 am	Marcello Costa	From neurons to intestinal movements; a history.
	10.00 am	Jan Huizinga & Jihong Chen	Human colon motor patterns and their extrinsic autonomic control
		10.15 am	
	10.35 am	Roberto de Giorgio	Clinico-Pathological Features of severe gut dysmotility
	10.50 am	Bradley Barth	Activating and Modeling ENS Circuits in Mouse Colon
Session 2 Chair: Stuart Brierley	11.05 am	Simon Brookes	Identifying types of neurons in the enteric nervous system
	11.20 am	Jim Galligan	Purinergic signaling in the ENS
	11.35 am	Nick Spencer	Enteric Nerve Circuits Underlying Propulsion
	11.50 am	Pieter Vandenberghe	A view on how enteric neurons monitor luminal content
		Jean Piere Timmermans	The roles of Mas related G-protein coupled receptors in the gut
		Joel Bornstein	Exploring synaptic transmission in the ENS: electrophysiology, functional studies and modelling
	12.00 pm		Lunch
	1.10 pm	Lincon Stamp	Examining cellular metabolism in the enteric nervous system
	1.20 pm	Giorgio Gabella	Enteric Glia & Enteric Neurons, Associated
Session 3 Chair: Marlene Hao	1.35 pm	Nicolas Chevalier	Embryonic development of motility: a bottom-up approach to the workings of the intestine
	1.50 pm	Marlene Hao	Influence of the circadian rhythm on enteric nervous system function
	2.05 pm	Tim Hibberd	Enteric control of the sympathetic nervous system
	2.20 pm	Keith Sharkey	Intestinal microbiota regulates gut physiology and enteric neuronal homeostasis
	2.35 pm	Kristen Edwards	Extrinsic modulation of enteric circuits that regulate colon function in health and disease
	2.50 pm	Michel Neunlist	Contribution of enteric neuroglial remodelling to inflammatory bowel disease and cancer evolution
		3.00 pm	
	3.20 pm	Gary Mawe	Epithelial 5-HT <sub>4</sub> receptors as a target for treating constipation and colitis
	3.40 pm	Gemma Mazzuoli	Mechanosensitive Enteric Neurons (MEN) at work
Session 4 Chair: Nick Spencer	3.55 pm	Simona Carbone	Neurons, macrophages and glia: The role of intercellular communication
	4.10 pm	Marthe Howard	Refining Enteric Neural Circuitry by Quantitative Morphology, Transcriptomics and Function in Mice
	4.25 pm	Phil Dinning	Colonic response to physiological and chemical stimuli
	4.40 pm	Jaime Foong	Interaction of the microbiota and the developing ENS
		Kent Sanders	Ca <sup>2+</sup> signaling in Interstitial cells of Cajal: The mechanistic basis for many GI motility behaviors
		Don Newgreen	Modelling development of the ENS: What's been done and what's next
		Elisa Hill	The emerging role of the gut-brain microbiota axis in neurodevelopmental disorders
		Kulmira Nurgali	Molecular targets to alleviate enteric neuropathy and gastrointestinal dysfunction
	5.00pm		Canapes & wine (2 hours)

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