

International Working Group for Disorders of GI Motility and Function

# Ascona III

15.-19. May 2023

## Advances in Clinical Measurement of Gastrointestinal Motility and Function

Congressi Stefano Franscini  
Swiss Institute for Technology Conference Centre  
Monte Verità  
Ascona, Switzerland

<b>Chair</b>	Mark Fox
<b>Working Group</b>	<b>Steering Committees</b>
<b>Swallow</b>	John Pandolfino, Rena Yadlapati Nathalie Rommel, Taher Omari
<b>Reflux</b>	Sabine Roman, Prakash Gyawali, Edoardo Savarino
<b>Gastrointestinal</b>	Heinz Hammer, Daniel Pohl, Jutta Keller
<b>Continence</b>	Henriette Heinrich, Charlie Knowles, Mark Scott, Emma Carrington, Adil Bharucha, Satish Rao
Conference Organization:	Daniela Guedel
Coordination Hands-on training:	Serhat Bor

Supported by:

- Clinic for Gastroenterology and Hepatology, University Hospital Zurich (Chief: Gerhard Rogler)
- University of Zurich, Swiss Federal Institute of Technology Zurich & Swiss National Science Fund
- Digestive Function: Basel, Center for Integrative Gastroenterology, Klinik Arlesheim, Switzerland



Universität  
Zürich



Eidgenössische Technische Hochschule Zürich  
Swiss Federal Institute of Technology Zurich



Congressi  
Stefano Franscini



SWISS NATIONAL SCIENCE FOUNDATION

On behalf of the International Working Group for Disorders of GI Motility and Function I am pleased to welcome you to the Ascona III Meeting, 2023.

Recent years have seen dramatic developments in the technology available for clinical investigation of swallowing, gastro-esophageal reflux, digestive and continence function.

In 2011 the HRM Working Group gathered in Ascona to introduce the Chicago Classification of Esophageal Motility Disorders for High-Resolution Manometry.

In 2015 the group met again to review advances in esophageal measurement. At the same meeting the remit of the group expanded to include the diagnosis of gastro-oesophageal reflux disease and the management of anorectal disorders. Since this time, important progress has been made to establish operating procedures and classification systems for the full range of disorders of gastrointestinal motility and function. These have been published in a series of guidelines and state-of-the-art reviews.

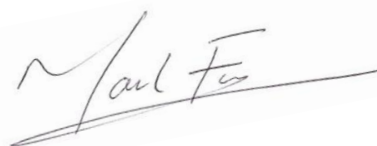
Now, at long last, following the Covid-SARS2 pandemic, in 2023 a world class faculty will return to Switzerland to establish the state-of-the-art in clinical measurement of digestive function from “top to tail”.

Highlights will include:

- introduction of the first consensus classification for disorders of pharyngeal function
- initial experience with the Chicago Classification for Oesophageal Motility Disorders version 4.0 plus review of endo-FLIP and other advances
- start of the Lyon Classification of Reflux Disease version 2.0 process with expansion to include laryngo-pharyngeal reflux
- state-of-the-art lectures focused on assessment of gastric emptying and digestive function, including EGG, intestinal motility, and 13C-breath tests
- debate between proponents of the European and American guidelines for hydrogen breath tests.
- initial experience with the London Classification for disorders of anorectal function, plus review of new technologies for diagnosis and treatment of these troublesome conditions.

As before, the focus will be on clinical practice, highlighting how the information provided by advanced measurement equipment can provide an explanation for patient symptoms, establish conclusive diagnosis, and guide effective management.

Welcome to Ascona!



Mark Fox on behalf of the  
International Working Group for  
Disorders of GI Motility and Function





# Location

## Congressi Stefano Franscini (CSF)

The Congressi Stefano Franscini (CSF), conference platform of the Swiss Federal Institute of Technology of Zurich, is responsible for the promotion, selection and financing of international conferences at the venue Monte Verità, a hilltop over Ascona and Lake Maggiore.

The CSF provides an ideal meeting point for all members of the international scientific community who wish to discuss the state of the art and new challenges of any field of research.

Since 1989 the CSF has supported 20 – 25 international conferences yearly and, since 2010, up to 10 winter doctoral schools (ETH Winter Schools@Monte Verità).

A Call for Proposals is published every year at the end of Spring. Such events last 3 to 5 days and attract an international audience.

Submission of a proposal for a CSF subsidized meeting is open to all researchers and university professors working in Switzerland. International collaborations are welcome.

The CSF avails of the on-site facilities of Monte Verità Foundation: various conference rooms for up to 110 people, a hotel with 23 single bedrooms and 27 double bedrooms, a restaurant with panoramic view, a park with a historical heritage (a former vegetarian community) and a museum about the history of Monte Verità.

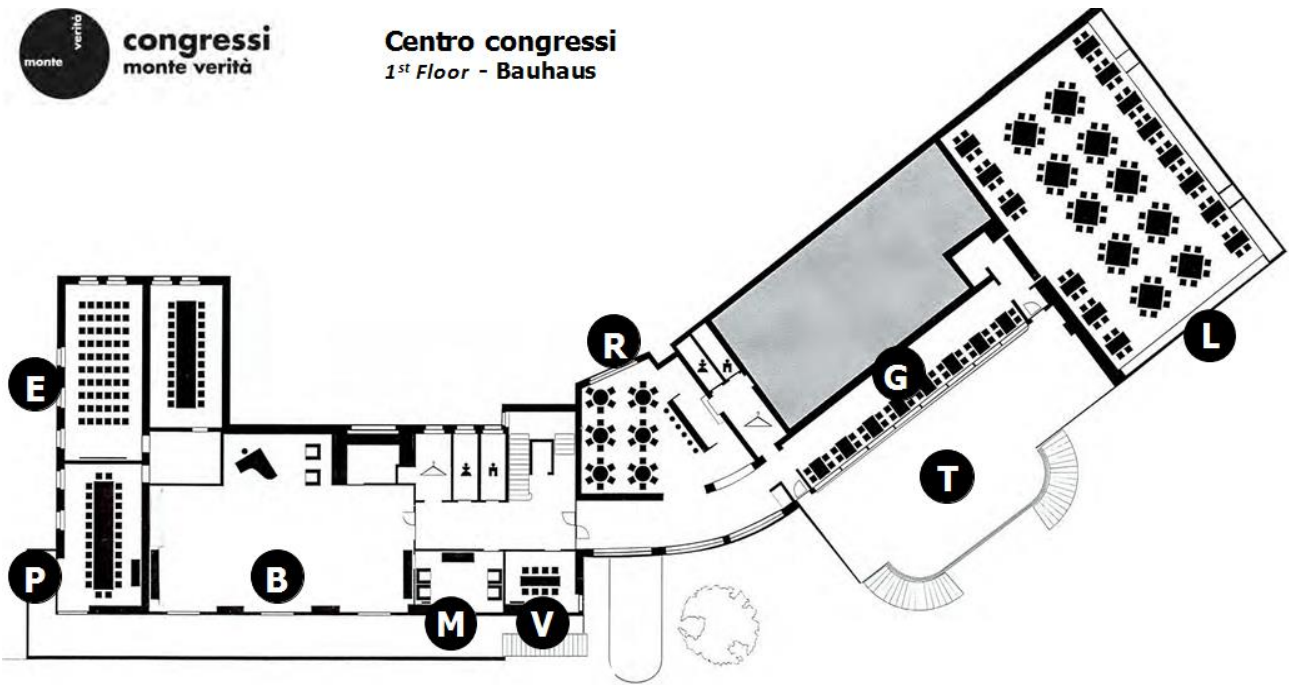
The CSF is also open to the local public with some outreach events in the contexts of its conferences: lectures, round tables, public demonstration of new technologies, plays, and more.

More information on CSF can be found on [www.csf.ethz.ch](http://www.csf.ethz.ch).





**Centro congressi**  
1<sup>st</sup> Floor - Bauhaus



**E** Sala Balint – Full Audio-Visual Link to Auditorium. This space is for faculty, delegates and company representatives who need to answer E-Mail / take calls. Also if the capacity of the Auditorium is exceeded.

**P** Sala Pioda (Reserved for anorectal group meetings)

**E** Sala Eranos (Reserved for esophageal / reflux group meetings)

**M** Sala Mandala (Free for small group meetings)

**V** Sala Von der Heydt (Free for small group meetings)

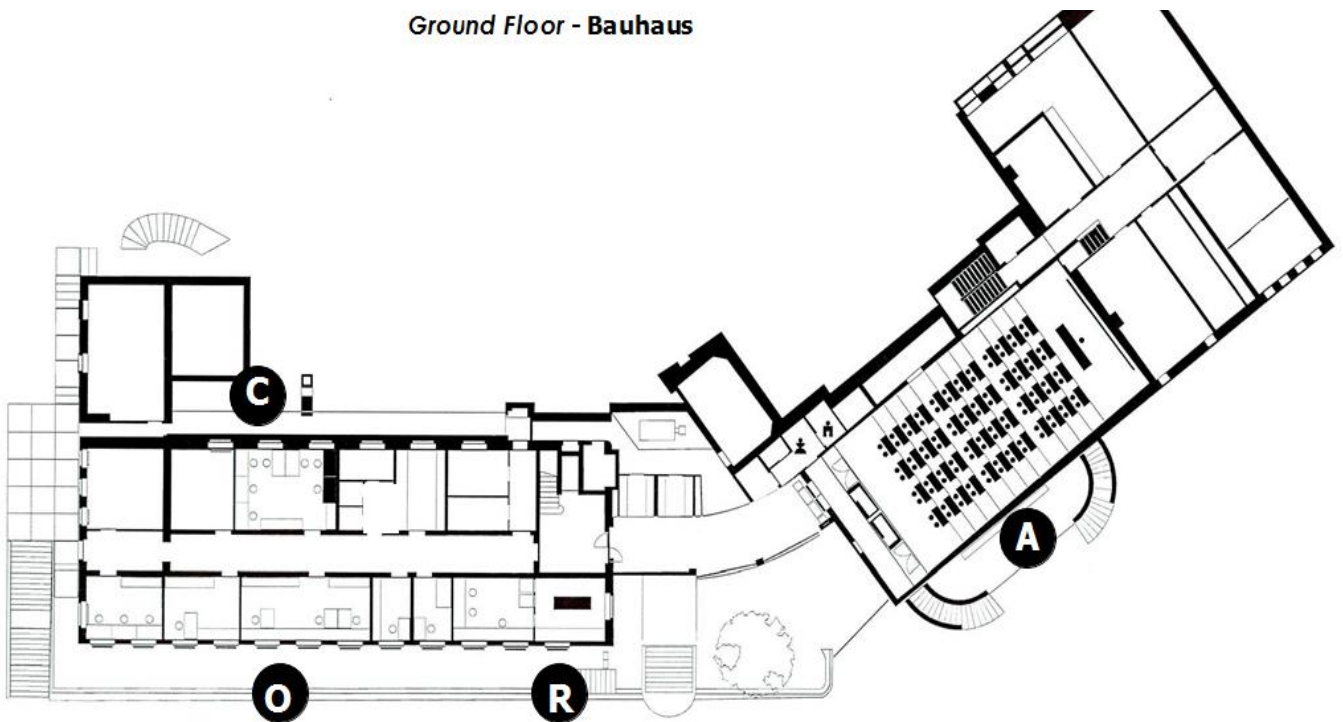
**L** Sala Luce (Main restaurant for all meals)

**G** Galleria del Barone (Additional seating for meals)

**R** Bar Roccia (Additional seating for meals)

**T** Terrazza panoramic - Panoramic Terrace

**Ground Floor - Bauhaus**



**A** Auditorium

**C** Computer Room

**R** Reception

**O** Conference Office

# Ascona and Surroundings

- **Ascona** is a beautiful town on the Lago Maggiore, largest of the Swiss-Italian lakes
- **A famous holiday destination**, delegates can
  - Hike in the Maggia and Verzasca mountain valleys
  - Visit the Isola Bella islands in the Lago Maggiore
  - Enjoy the famous ice cream



## Highlights

- **Borgo Old Town** – beautiful Old Town of Ascona around the church of San Pietro e Paolo, an art museum with paintings by artists who spent time living here (Jawlensky, Werfkin, Klee).
- **Maggiatal** – natural river landscape, broad paths in an unspoilt side valley of Ticino, with nearly 40 mountain lakes and a wealth of fauna and flora.
- **Brissago Islands** – worth a trip, reached by a peaceful boat ride; thanks to the near-Mediterranean climate, 1500 different species of plants thrive here.
- **Centovalli** – this enchanting "Valley of a hundred valleys" lies between Domodossola and Locarno, with deep gorges, waterfalls, chestnut woods and picturesque villages, reached by narrow-gauge railway.
- **Ronco sopra Ascona** – one of the most delightful places overlooking Lake Maggiore, with an enchanting panorama of the lake and mountains, and a picturesque footpath with over 800 steps leading down to the lakeside.



# Excursions

## Brissago Islands

This boat trip is ideal for nature and lake lovers, those who maybe have little time at their disposal.

The Brissago Islands date back to the Roman time (vestiges of that time have been found on the islands), but be-came particularly famous thanks to the Russian Baroness Antoinette de Saint Léger who owned the Is-lands (1885-1927) and launched an intense cultural activity. At the same time she started what has become a unique botanical garden in Switzerland (today the property of the Canton Ticino), with 1500 plant species both indigenous and from sub-tropical zones. It takes one hour to visit the botanical garden.



## Cardada – Cimetta

This excursion is ideal for hiking lovers and offers a spectacular panorama over the Lake Maggiore.

Cardada – Cimetta (1400 – 1700 m) is only 30 minutes above Locarno and offers a spectacular 360° panoramic view over the Lake Maggiore. During the winter Cimetta is a skiing resort for local people and during the summer it is a trekking paradise. The climbing is by cable car, the new one designed by the architect Mario Botta, and by chair lift. You can either hike up to the Cima della Trosa (1900 m).



# Program

## Arrival: Sunday 14<sup>th</sup> May 2023

- 13.00-18.00** Shuttle Service from Locarno Train Station)
- 15.00-19.00** Registration Desk Open.
- 15.00-17.00** Coffee available for arrivals at Spazio Roccia
- 18.00** Apero and Buffet Dinner, CSF Conference Center Restaurant
- 21.30** Shuttle bus to external hotels (bus stop Ascona autosilo, schedule see website)





## **Day 1: Monday Morning**

**07.00 - 08:30**    **Registration Desk Open**

**08.30 - 08.45**    **Welcome to Ascona III, Mark Fox, Chair Ascona III**

**08.45 - 09.00**    **Congressi Stefano Francini & Monte Verità Welcome Address**

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### **Oropharyngeal swallow I: Pharyngeal - High Resolution Motility (P-HRM):**

Chairs: **Peter Kahrilas**, Chicago, USA & **Pere Clave**, Mataro, Spain

**09.00 - 09.25**    **P-HRM with videofluoroscopy**  
**Nogah Nativ-Zeltzer**, Tel Aviv, Israel

**09.25-09.50**    **P-HRM with impedance**  
**Taher Omari**, Adelaide, Australia

**09.50-10.15**    **Classifying pharyngeal and UES disorders based on high-resolution manometry and impedance**  
**Nathalie Rommel**, Leuven, Belgium (virtual presentation)

**10.15-11.00**    **Coffee**

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### **Oropharyngeal swallow II: Harnessing Diagnostic & Treatment Modalities**

Chairs: **Tim McCullough**, London, UK & **Taher Omari**, Adelaide, Australia

**11.00-11.20**    **Neuromyogenic Disease**  
**Charles Cock**, Adelaide, Australia

**11.20-11.40**    **Management of oropharyngeal dysphagia**  
**Pere Clave**, Mataro, Spain

**11.40-12.00**    **Biofeedback for Disorders of Pharyngeal Swallow**  
**Ashli O'Rourke**, Charleston, USA

**12.00-12.15**    **Cricopharyngeal peroral endoscopic myotomy (C-POEM)**  
**Peter Wu**, Sydney, Australia and Hong Kong, China

**12.15-13.45**    **Lunch**

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## **Day 1: Monday Afternoon**

### **Chicago IV and the Frontiers of Oesophageal Motility Disorders I**

Chairs: **Ronnie Fass**, Cleveland, USA & **Rami Sweis**, London, UK

- 13.45-14.15**    **The first 10 years of the Chicago Classification**  
John Pandolfino, Chicago USA & Rena Yadlapati, San Diego, USA
- 14.15-14.35**    **The CC 4.0 HRM Protocol in Clinical Practice**  
Albis Hani, Bogota, Colombia & Claudia Defilippi, Santiago, Chile
- 14.35-15.00**    **High-Resolution Impedance Manometry to Diagnose Achalasia**  
Dustin Carlson, Chicago, USA
- 15.00-15.45**    **Break**
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### **Chicago IV and the Frontiers of Oesophageal Motility Disorders II**

Chairs: **John Pandolfino**, Chicago, USA & **Shobna Bhatia**, Mumbai, India

- 15.45-16.05**    **EGJ Outflow Obstruction: How to separate physiologic from pathologic**  
Kristle Lynch, Pennsylvania, USA
- 16.05-16.25**    **Hypercontractile & Spastic Disorders**  
Joan Chen, Michigan, USA
- 16.25-16.45**    **Ineffective Motility**  
Rami Sweis, London, UK
- 16.45-17.05**    **Impact of Position and Provocative Tests on Clinical Management**  
Santosh Sanagapalli, Sydney, Australia
- 17.05-17.30**    **The CC 4.0 HRM Protocol: Open Discussion**  
Lead Discussants: **Rena Yadlapati**, San Diego, USA, **Mark Fox**, Zürich and Arlesheim, Switzerland
- 18.00**            **Dinner, CSF Conference Center Restaurant**

## **Day 1: Monday - Evening Symposia**

20.00-21.00

### **Diagnostic investigations in Paediatric patients: Are children just little adults?**

Chairs: **Rebecca Burgell**, Melbourne, Australia and **Nathalie Rommel**, Leuven, Belgium

Room: Sala Eranos



**20.00-20.20**    **Should investigations of GI motility and function be the same in kids as in adults?**  
**Marcin Banasiuk**, Warsaw, Poland

**20.20-20.40**    **Lessons learnt from paediatric studies: what adult colleagues need to know**  
**Oswaldo Borrelli**, London, UK

**20.40-21.00**    **Do adult treatments work in kids?**  
**Nikhil Thapar**, Brisbane, Australia

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## **Day 2: Tuesday Morning**

**07.30-8.30 Registration Desk Open**

### **GERD and Motility Disorders**

Chairs: **Edoardo Savarino**, Padua, Italy & **John Lipham**, Los Angeles, USA

**08.30-09.00 The esophago-gastric junction in health and reflux disease**  
**Sumeet Mittal**, Phoenix, USA

**09.00-09.20 Provocative testing maneuvers in GERD, rumination & related disorders**  
**Roberto Penagini**, Milan, Italy

**09.20-09.40 Pharmacological provocative testing during HRM in motility disorders**  
**Peter Kahrilas**, Chicago, USA

**09.40-10.00 Opioid Induced Esophageal Dysfunction**  
**Marcelo Vela**, Scottsdale, USA

**10.00-10.45 Coffee**

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### **Physiologic Investigation of GERD**

Chairs: **Justin Wu**, Hong Kong, China & **Roberto Penagini**, Milan, Italy

**10.45-11.05 Normal Thresholds for Reflux Episodes: the International Normative Study**  
**Daniel Sifrim**, London, UK

**11.05-11.30 TLESRs and other causes: Do numbers and types of reflux episodes matter?**  
**Radu Tutuian**, Solothurn and Bern, Switzerland

**11.30-11.50 Novel impedance measurements: contribution to GERD diagnosis**  
**Nicola de Bortoli**, Pisa, Italy

**11.50-12.15 Clinical and Physiological assessment of extra-esophageal reflux symptoms**  
**Rena Yadlapati**, San Diego, USA

**12.15-13.45 Lunch**

## **Day 2: Tuesday Afternoon**

### **Oesophageal Diagnosis: New Developments, New Questions**

Chairs: **Peter Kahrilas**, Chicago, USA & **Daniel Sifrim**, London, UK

- 13.45-14.10**    **GERD diagnosis at Endoscopy: Mucosal Impedance, Endo-FLIP and more**  
John Pandolfino, Chicago, USA
- 14.10-14.30**    **Ambulatory HR-Manometry**  
Alissa Jell, München, Germany
- 14.30-15.00**    **Debate: Wireless vs. catheter-based testing. Is it time to put away our catheters?**  
Prakash Gyawali, St. Louis, USA & Edoardo Savarino, Padua, Italy
- 15.00-15.45**    **Coffee**
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### **Introduction to Lyon 2.0 and discussion**

Chairs: **Serhat Bor**, Izmir, Turkey & **Ronnie Fass**, Cleveland, USA

- 15.45-16.05**    **Validation of pH and impedance metrics in GERD diagnosis**  
Edoardo Savarino, Padua, Italy
- 16.05-16.25**    **Validation of oesophageal motility in GERD diagnosis**  
Prakash Gyawali, St. Louis, USA
- 16.25-16.45**    **Do classification systems impact on surgery? Fundoplication, LINX and other options**  
John Lipham, Los Angeles, USA
- 16.45-17.15**    **Lyon Classification version 2.0: Faculty Discussion**  
Lead Discussants: **Daniel Sifrim**, London, UK & **Prakash Gyawali**, St. Louis, USA

**Day 2: Tuesday Evening – Gala Dinner**

**17.45-19.15**    **Prosecco reception, CSF Conference Center Restaurant  
Presentation of Young Investigator Awards  
Conference Photograph**

**19.15**            **Bus Transfer to the restaurant Grotto Broggin**

**19.30-22.00**    **Conference Dinner  
Grotto Broggin, Via San Materno 18, 6616 Losone  
See map page 4 for location of restaurant**

**22.00**            **Bus Transfer from Restaurant to Conference Hotels**



### **Day 3: Wednesday Morning**

**7.30-8.30 Registration Desk Open**

#### **Foregut Surgery: Effects on GI Structure, Motility and Function**

Chairs: **Rena Yadlapati**, San Diego, USA & **Renato Salvador**, Padua, Italy

**08.30-09.00 Candidacy for Anti-Reflux Surgery**  
**Edoardo Savarino**, Padua, Italy & **Mario Costantini**, Padua, Italy

**09.00-09.30 Padua Classification of HRM Following Fundoplication**  
**Jutta Keller**, Hamburg, Germany & **Sumeet Mittal**, Phoenix, USA

**09.30-10.00 Physiological Evaluation Prior and Following Bariatric Surgery**  
**Salvatore Tolone**, Napoli, Italy & **Mark Fox**, Arlesheim and Zürich, Switzerland

**10.00-10.45 Coffee**

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#### **Hydrogen Breath Testing I: Hot Air?**

Chairs: **Daniel Pohl**, Zürich, Switzerland & **Kristin Verbeke**, Leuven, Belgium

**10.45-11.10 International guidelines for Hydrogen Breath Testing: towards consensus**  
**Heinz Hammer**, Graz, Austria

**11.10-11.30 Assessment of carbohydrate malabsorption and intolerance: which tests make sense and what can we learn from them**  
**Clive Wilder-Smith**, Bern, Switzerland

**11.30-11.50 Short-chain fatty acids as a therapeutic and diagnostic tool**  
**Peter Gibson**, Monash, Melbourne, Australia

**11.50-12.15 Diagnosis of Small Intestinal Bacterial Overgrowth: current and future options**  
**Satish Rao**, Augusta, USA

**12.15-13.45 Lunch**

### **Day 3: Wednesday Afternoon**

#### **Breath Testing II: Can we do better**

Chairs: **Heinz Hammer**, Graz, Austria & **Peter Gibson**, Melbourne, Australia

- 13.45-14.05**    **Mistakes in hydrogen breath testing and how to avoid them**  
**Johann Hammer**, Wien, Austria
- 14.05-14.20**    **Optimizing lactose breath testing: inclusion of <sup>13</sup>C -measurements**  
**Kristin Verbeke**, Leuven, Belgium
- 14.20-14.40**    **<sup>13</sup>C-Breath Testing for gastric emptying: Current role in patient management**  
**Jutta Keller**, Hamburg, Germany
- 14.40-15.00**    **Water and Nutrient Drink Challenge testing: what does it tell us?**  
**Hans Törnblom**, Gothenburg, Sweden (virtual presentation)
- 15.00-15.45**    **Coffee**
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#### **Gastric and Intestinal Function: Future Directions**

Chairs: **Mark Fox**, Arlesheim and Zürich, Switzerland & **Christine Feinle-Bisset**, Adelaide, Australia

- 15.45-16.10**    **From Electro-Gastrography to Gastric Electrical Body Surface Mapping**  
**Greg O'Grady**, Auckland, New Zealand
- 16.10-16.35**    **Smartpill and other indigestible sensors: technology seeking an indication?**  
**John Clarke**, Stanford, US
- 16.35-17.00**    **EndoFLIP in Gastroparesis**  
**Guillaume Gourcerol**, Rouen, France
- 17.00-17.30**    **Magnetic Resonance Imaging of GI function: state of art**  
**Alex Menys**, London, UK
- 18.00-19.00**    **Pre-Dinner Talks, 19.00 Chocolate themed Dinner, CSF Conference Center Restaurant**



**Day 3: Wednesday Afternoon – Parallel Session**

Room: Sala Balint

**Neuromodulation in Disorders of Gut-Brain Interaction: indications and mechanisms of action**Chairs: **Asbjørn Drewes**, Aarhus, Denmark & **Greg O’Grady**, Wellington, New Zealand

- 13.45-14.05**    **Cortical and Pharyngeal Electrical Stimulation in the management of dysphagia**  
**Shaheen Hamdy**, Manchester, UK (virtual presentation)
- 14.05-14.30**    **Transcutaneous cervical vagal nerve stimulation**  
**Adam Farmer**, London and Keele, UK
- 14.30-15.00**    **Neuromodulation of the stomach: Endo-Stim and Enterra**  
**Yves Borbély**, Bern, Switzerland
- 15.00-15.45**    **Coffee**
- 15.45-16.15**    **Translumbosacral Anorectal Magnetic Stimulation (TAMS) and Neuromodulation Therapy (TNT)**  
**Satish Rao**, Augusta, USA
- 16.15-16.45**    **Tibial nerve stimulation (PTNS) and Sacral neuromodulation**  
**Charles Knowles**, London, UK
- 16.45-17.15**    **Panel Discussion**
- 18.00-19.00**    **Pre-Dinner Talks, 19.00 Chocolate themed Dinner, CSF Conference Center Restaurant**

**Day 3: Wednesday Afternoon - Endo-FLIP Live Demonstration (Hybrid Session)**

**Live event:**    **Gastro Center Plus**, Via Trevano 38, Lugano (special registration only)  
**Experts:**     **Dustin Carlson**, Chicago, USA  
**Endoscopist:** **Daniel Pohl**, Zürich, Switzerland  
**Hosts:**       **Dr. Helen Schaufelberger, Dr. Daniele Riva**, Locarno, Switzerland

**Live event schedule**

- 12.30**            Leave for Lugano. Lunch Boxes will be provided.
- 14.00-17.00**    Introduction and live demonstration. Representative cases will be investigated by Endo-FLIP (oesophageal and gastric / pyloric dysfunction)
- 18.00**            Dinner in Lugano before return to Ascona / CSF Conference Hotel circa 21:00

**Video broadcast** (registration required)

Room: Sala Eranos

Expert Liaison: **John Pandolfino**, Chicago, USA

- 14.00-17.00**    **Live Transmission of introductory talks and live demonstration**

## **Day 4: Thursday Morning**

**7.30-8.30**      **Registration Desk Open**

### **Diagnostic testing of colonic and anorectal function – state of art 2023**

Chairs: **Satish Rao**, Augusta, USA & **Reuben Wong**, Singapore

**08.30-08.40**      **The long road from Chicago to London: developing a consensus classification for diagnosis of disorders of anorectal function**

**Mark Fox**, Zürich and Arlesheim, Basel

**08.40-09.10**      **The London Classification: does it move the field forward?**

**Emma Carrington**, London, UK

**09.10-09.35**      **What is missing in the London Classification?**

**Adil Bharucha**, Rochester, UK

**09.35-10.00**      **Where do we go from here?**

**José Remes-Troche**, Veracruz, Mexico

**10.00-10.45**      **Coffee**

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### **Assessment of anal sphincter function**

Chairs: **Emma Carrington**, London, UK & **Adil Bharucha**, Rochester, USA

**10.45 -11.10**      **Anal sphincter anatomy and function**

**Giulio Santoro**, Treviso, Italy

**11.10-11.30**      **The internal sphincter and Hirschprung's Disease 2022**

**Corrine Légeret**, Basel, Switzerland

**11.30-11.50**      **New metrics for assessing anal sphincter function in the high-resolution era**

**Kee Wook Jung**, Seoul, Korea

**11.50-12.15**      **3D high-definition anorectal manometry. Improved diagnostic capability?**

**Enrique Coss-Adame**, Ciudad de México, Mexico

**12.15-13.45**      **Lunch**

## **Day 4: Thursday Afternoon**

### **What is the best test available for the assessment of evacuation disorders?**

Chairs: **Alison Malcolm**, Sydney, Australia & **Charles Knowles**, London, UK

- 13.45-14.00**    **Overview of testing modalities**  
                  **Mark Scott**, London, UK
- 14.00-14.15**    **It's manometry!**  
                  **Henriette Heinrich**, Basel, Switzerland
- 14.15-14.30**    **It's the balloon expulsion test!**  
                  **Giuseppe Chiarioni**, Verona, Italy
- 14.30-14.45**    **It's defecography!**  
                  **Adil Bharucha**, Rochester, USA
- 14.45-15.00**    **It's none of the above!**  
                  **Hans Gregersen**, San Diego, USA
- 15.00-15.45**    **Coffee**
- 19.00**            **Dinner, CSF Conference Center Restaurant**

**Day 5: Friday Morning**

7.30-8.30      **Registration Desk Open**

**Contemporary techniques for studying colorectal and panintestinal motility**

Chairs: **Mark Scott**, London, UK & **Allison Malcolm**, Australia

08.30-08.55      **Colonic HR Manometry: what does it mean?**  
**Phil Dinning**, Adelaide, Australia

08.55-09.20      **Colonic Electrical Body Surface Mapping: Is it possible?**  
**Greg O'Grady**, Auckland, New Zealand

09.20-09.50      **Pan-intestinal assessment of structure, motility and 3D transit by MR**  
**Jens Frokjaer & Asbjørn Drewes**, Aarhus, Denmark

09.50-10.10      **EndoFlip for assessment of anal sphincter function**  
**Charlotte Desprez**, Rouen, France

10.10-10:45      **Coffee**

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**Putting it all together: identifying the causes of anorectal symptoms**

Chairs: **Rebecca Burgell**, Melbourne, Australia & **Jose Remes-Troche**, Veracruz, Mexico

10.45-11.05      **Structure, Motility, Sensation: How does continence function work in health? Lessons learned from manometry, ultrasound, barostat & imaging**  
**Ugo Grossi**, Treviso, Italy & **Henriette Heinrich**, Basel, Switzerland

11.05-11.30      **Identifying the causes of symptoms: phenotypic variation in faecal incontinence**  
**Adil Bharucha**, Rochester, USA & **Charles Knowles**, London, UK

11.30-11.55      **Identifying the causes of symptoms: phenotypic variation in constipation**  
**Satish Rao**, Augusta, USA & **Rebecca Burgell**, Melbourne, Australia

11.55-12.30      **Diagnosis and management of constipation and faecal incontinence: cases for the pelvic floor multidisciplinary team**  
**Paul Vollebregt**, Amsterdam, Netherlands & **Allison Malcolm**, Sydney, Australia & **Matthias Turina**, Zürich, Switzerland (the surgeons)

11.30-13.30      **Lunch** (packed lunch or homemade pizza)

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10.30-16.00      **Departure Shuttle from CSF Conference Centre to Locarno Train Station** (for schedule see website)

# Commercial Symposia

## Commercial Symposium Monday Evening - The Future of Oesophageal Diagnostics

Chairs: **Daniel Sifrim**, London, UK & **Shobna Bhatia**, Mumbai, India

**Room:** Main Auditorium

**20.00-20.30** **Is the Future of Oesophageal Diagnostics in the Endoscopy Suite?**  
**John Pandolfino**, Chicago, USA

**20.30-21.00** **Esophageal Mucosal Impedance: From Research to Clinical Practice**  
**Prakash Gyawali**, St. Louis, USA

*Supported by Diversatek Healthcare*




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## Commercial Symposium Wednesday Evening – Special Event

**Room:** Main Auditorium

### **Pre-Dinner Talks: Too much of a good thing can be wonderful: The use of chocolate in medicine... with anti-reflux advice**

Chairs: **Christine Feinle**, Adelaide, Australia, **Peter Gibson**, Monash University, Melbourne, Australia

**18.00-18.20** **Making chocolate: an art based on science**  
**Tilo Hühn**, Zürich University of Applied Sciences, Wädenswil, Switzerland

**18.20-18.40** **Chocolate as medicine: the evidence base**  
**Anne-Christin Meyer**, Clara Forschung, Claraspital, Basel, Switzerland

**18.40-19.00** **Chocolate: can you have too much of a good thing?**  
**Daniel Sifrim**, London, UK

### **Chocolate themed dinner**

**19.00** Chocolate themed Dinner, **CSF Conference Center Restaurant**

*Supported by Reckitt*



## **Commercial Symposium Thursday Morning (special registration only)**

**Room:** Sala Eranos (special registration only)

### **The Swallow Gateway Project: Using Internet-Based Communications and Novel Analytics to Modernize and Improve Research Outcomes and Clinical Diagnostic Services**

Chairs: **Taher Omari**, Adelaide, Australia & **Nathalie Rommel**, Leuven, Belgium

**10.45-11.00 Introduction to the Swallow Gateway Project**

**Taher Omari**, Adelaide, Australia

**11.00-11.15 A Deglutologist's Perspective**

**Nathalie Rommel**, Leuven, Belgium

**11.15-11.30 A Gastroenterologists Perspective**

**Charles Cock**, Adelaide, Australia

**11.30-11.45 Validation and Demonstration: Electronic Sydney Swallow Questionnaire (E-SSQ)**

**Michal Szczesniak**, Sydney Australia

**11.30-12.15 Swallow Gateway: Hands-On Training** (note: personal laptops required)



*Supported by Flinders University*

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## **Commercial Symposium Thursday Afternoon**

**Room:** Main Auditorium

**15.45-17.00**

### **Luminal gas detection – a novel approach to aid diagnosis and personalization of therapy in gastrointestinal disorders**

Chairs: **Jutta Keller**, Hamburg, Germany & **Satish Rao**, Augusta, USA

- **The Gas Capsule: Development of a new, potentially disruptive technology**  
**Kyle Berean**, Melbourne, Australia
- **Potential Applications of the Gas Capsule in Clinical Practice**  
**Peter Gibson**, Monash University, Melbourne, Australia
- **The Gas Capsule and Small Intestinal Bacterial Overgrowth: initial data**  
**Gerald Holtmann**, Brisbane, Australia

*Supported by Atmo Biosciences*



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### **Towards a more complete assessment of anorectal function**

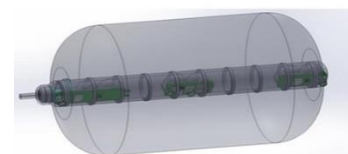
Chairs: **Phil Dinning**, Adelaide, Australia & **Emma Carrington**, London, United Kingdom

**Room:** Sala Balint

- **3D Endoanal Ultrasound**  
**Giulio Santoro**, Treviso, Italy
- **Fecobionics**  
**Hans Gregersen**, San Diego, USA

*Supported by California Medical Innovations Institute*

## **Fecobionics**



# Working Group Meetings

*If you are not a member of a specific interest group and wish to attend, then please contact the chair/organizational leads of the relevant group ahead of Ascona III. This will also help the local organizers allocate rooms and resources.*

- **Pharyngeal Group**
  - Nathalie Rommell (nathalie.rommel@kuleuven.be)
  - Taher Omari (taher.omari@flinders.edu.au)
  
- **Oesophageal HRM Consensus Group / Chicago Classification Version 4.0**
  - John Pandolfino (j-pandolfino@northwestern.edu)
  - Rena Yadlapati (ryadlapati@ucsd.edu)
  
- **FLIP Panometry**
  - John Pandolfino (j-pandolfino@northwestern.edu)
  - Dustin Carlson (dustin-carlson@northwestern.edu)
  
- **Reflux Group / Lyon Classification**
  - Prakash Gyawali (cprakash@wustl.edu)
  - Sabine Roman (sabine.roman@chu-lyon.fr)
  
- **Oesophageal HRM Surgical Consensus Group / Padua**
  - Renato Salvador (renato.salvador@unipd.it)
  - Rena Yadlapati (ryadlapati@ucsd.edu)
  
- **NEW: Gastroparesis / Dyspepsia Consortium**  
**International Working Group for Disorders of Gastric Neuromuscular Function**
  - Asma Fikree (asmafikree@hotmail.com)
  - Mark Fox (dr.mark.fox@gmail.com)
  
- **European Guideline on indications, performance and clinical impact of H2-CH4- and 13C-breath tests in adult and pediatric patients**
  - Heinz Hammer (heinz.hammer@medunigraz.at) – H2 breath tests
  - Jutta Keller (j.keller@ik-h.de) – 13C breath tests
  
- **International Anorectal Physiology Working Group**
  - Emma Carrington (e.v.carrington@qmul.ac.uk)
  - Henriette Heinrich (henriette.heinrich@usz.ch)



# European external Continuing Medical Education (CME) credits

## Advances in Clinical Measurement of GI Function

**Venue:** Ascona, Switzerland

**Event code:** TBC

The “Ascona III: Advances in Clinical Measurement of GI Function” has applied to the European Accreditation Council for Continuing Medical Education (EACCME) to provide CME activity for medical specialists. The EACCME is an institution of the European Union of Medical Specialists (UEMS), [www.uems.net](http://www.uems.net).

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 [www.ama-assn.org/go/internationalcme](http://www.ama-assn.org/go/internationalcme).

Live educational activities, occurring outside of Canada, recognized by the UEMS-EACCME for ECMEC credits 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.

## Commercial support

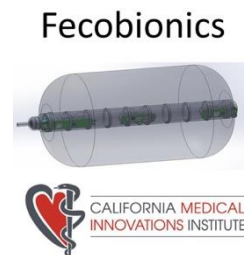
The international working group for disorders of GI motility and function is grateful to the following companies and organizations for providing unrestricted educational grants to support the Ascona III Meeting

### Gold and Silver Level Sponsors



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### Bronze Level Sponsors



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### Technical Support



# Working Group Committees

## Mark Fox

Mark Fox is Chair of the International Working Group for GI Motility and Function. He is lead physician at the Digestive Function: Basel, laboratory and clinic for motility disorders and functional GI disease in Klinik Arlesheim and Honorary Professor of Gastroenterology at the University Zürich and University of Nottingham. His research and practice are focused on the development and application of new investigations to describe the structure, function and sensitivity of the digestive tract. How the gastrointestinal tract responds to eating, digestion and toileting and how these responses break down in patients with digestive diseases.

## Pharyngeal and Oesophageal Working Groups

### John Erik Pandolfino

Dr. Pandolfino is the Hans Popper Professor of Medicine and Chief of Gastroenterology and Hepatology at the Feinberg School of Medicine at Northwestern University. His career has focused primarily on studying the biomechanics of bolus transport and gastrointestinal motility as it pertains to gastroesophageal reflux and swallowing disorders. He currently is funded by the NIH to study GERD and Dysphagia pathogenesis and also receives funding from industry focused on the development of new technologies to investigate and treat gastrointestinal disorders. He maintains a strong clinical practice in the Northwestern Medicine Esophageal Center. He is active in multiple professional organizations, serves on multiple editorial boards.

### Nathalie Rommel

Nathalie Rommel (MSc, PhD) is appointed as Full Professor at the Faculty of Medicine at University of Leuven. She runs the deglutology research program (Neurosciences, ExpORL, Deglutology) focusing on the development of pharyngeal and esophageal motility, on the pathophysiology of dysphagia across life span, on novel diagnostic methods to assess motility disorders and on the evaluation of the currently available treatment of upper GI motility disorders, such as neuromodulation. Clinically, she focuses on pharyngeal videomanometry and esophageal manometry at Neurogastroenterology and Motility Clinic of the Gastroenterology Department, University Hospitals Leuven, offering a diagnostic service to neonatal, pediatric, adult and geriatric patients with upper gastrointestinal motility disorders such dysphagia, rumination and globus. Within the Faculty of Medicine of the KU Leuven, Professor Rommel is the program Director of the Advanced Master in Deglutology at KU Leuven, a one-year EU-accredited Master Degree program, training students in the clinical care and science of deglutition and its disorders (deglutology.com). From 2020-2023, she was President of Ethe European Society for Swallowing disorders (ESSD) (myessd.org). Her publication list can be found on <https://lirias.kuleuven.be/cv?u=U0050236>

### Peter J Kahrilas

Peter J Kahrilas is the Gilbert H. Marquardt Professor in Medicine at Northwestern University's Feinberg School of Medicine in Chicago. His esophageal research has resulted in over 450 original publications. He has been elected to the ASCI, AAP, past president of the ISDE, and immediate past president of the American Foregut Society. He was the 2020 recipient of the AGA Beaumont Prize for lifetime achievement in gastroenterology.

### Taher Omari

Flinders University, Australia. Prof Taher Omari is a GI Physiologist and Principal Research Fellow at Flinders Health and Medical Research Institute where his work has enhanced understanding of swallowing physiology, improved delivery of dysphagia diagnostic services and provided educational resources for researchers and clinicians. Prof Omari is the developer of Swallow Gateway™ ([www.swallowgateway.com](http://www.swallowgateway.com)) a web-based resource for high resolution manometry analysis, data gathering and multidisciplinary communication.

### Rena Yadlapati

Dr. Rena Yadlapati is Associate Professor in the Division of Gastroenterology and medical director of the Center for Esophageal Diseases at the University of California San Diego. After completing internal medicine residency at UCLA, Dr. Yadlapati went to Northwestern University for her gastroenterology fellowship, where she also completed a T32 research fellowship in GI physiology and psychology, an advanced fellowship in esophageal disorders, and obtained a Master of Science in health services and outcomes research.

Dr. Yadlapati specializes in esophageal conditions such as GERD and esophageal motility disorders, and has expertise in interpreting esophageal manometry, reflux monitoring and functional lumen imaging probe. Dr. Yadlapati's research program focuses on personalized care approaches for GERD and upper airway symptoms. Dr. Yadlapati is the lead author of the Chicago Classification version 4.0 for esophageal motility, and a co-author of national guidelines for achalasia, GERD, Barrett's esophagus and esophageal physiologic testing. Dr. Yadlapati serves on the board of directors of the American College of Gastroenterology (ACG) Institute and formerly on the board of directors of the American Foregut Society. She has published over 150 articles in peer-reviewed publications and is an Associate Editor of Clinical Gastroenterology & Hepatology.

### Albis Hani

Albis Hani is a Titular Professor of Medicine, gastroenterology and digestive endoscopy at Pontificia Universidad Javeriana in Bogotá- Colombia. She directs the Gastrointestinal motility Lab at Hospital Universitario San Ignacio. Her interest include gastrointestinal motility disorders, gastroesophageal reflux disease, anorectal disorders. She is involved in motility testing using high resolution manometry (esophageal and anorectal), esophageal ambulatory esophageal pH and impedance monitoring, smart pill.

**Ashli O'Rourke**

Ashli O'Rourke, M.D., began her professional career as a speech-language pathologist, earning her Master's degree in Speech-Language Pathology and Audiology from Florida State University. After more than seven years of clinical speech therapy practice at Emory University Hospital, she attended medical school at the Medical College of Georgia. She completed her residency in Otolaryngology & Head and Neck Surgery at the University of Virginia in Charlottesville and her fellowship in Laryngology & Voice and Swallowing Disorders at the Medical College of Georgia. Dr. O'Rourke is particularly interested in the diagnosis and treatment of swallowing disorders as well as laryngopharyngeal reflux disease. Her research interests include innovative technologies for the diagnosis and rehabilitation of swallowing disorders. Dr. O'Rourke is board certified through the American Board of Otolaryngology and serves as a Senior Examiner for the Board. She is a Councilor on the Board of Directors for the Dysphagia Research Society and holds the Mark & Evelyn Trammell Endowed Chair in Otolaryngology.

**Pere Clave**

Prof Pere Clavé is Director of Academic Studies and Research at the Hospital de Mataró. Catalonia. Spain and Professor of Surgery at the Universitat Autònoma de Barcelona (UAB). Founding President of the European Society for Swallowing Disorders (2020-). He served as President of ESSD for 10 years (2010-2020). Awarded in 2017 for professional excellence in research by the Official College of Physicians of Barcelona. Principal Investigator (PI) <https://orcid.org/0000-0002-0696-8560> of the Digestive Physiology Research Group Ciberehd-CSdM-UAB at the Hospital de Mataró, Catalonia, Spain. <https://www.ciberehd.org/>. Main topics of research: Gastrointestinal Physiology, Oropharyngeal Dysphagia and its complications <https://www.researchgate.net/profile/Pere-Clave> Member of the Board of Furega (Research Foundation on Gastroenterology), Acadèmia de Ciències Mèdiques de Catalunya i Balears, and Fundació InterAcSalut. Associate Editor of the journals: *Dysphagia*, *Nutrients*, and *Neurogastroenterology and Motility*. In 2016, he launched the Master on Swallowing Disorders with the UAB <https://www.dysphagiamasters.org/>. In 2017 he organized the First World Dysphagia Summit jointly organized by the ESSD, JSDR and DRS to debate and seek consensus on global issues on oropharyngeal dysphagia and its complications.

**Rami Sweis**

Rami Sweis is a Consultant in Upper GI Medicine and Upper GI Physiology Lead at University College London Hospital. He is also Associate Professor at University College London. His research is focused on trying to advance the methodology and utility of the technology used to investigate reflux and swallowing disorders, including catheter/wireless (Bravo) pH-monitoring, High Resolution Manometry, Endoscopy and Barium. Rami Sweis has a particular interest in investigating and managing complex benign disorders and offers endoscopic therapy including pneumatic dilatation, POEM, Z-POEM, TIF, RFA/EMR.

**Gastro-Esophageal Reflux Working Group****Prakash Gyawali**

Dr. Prakash Gyawali is currently a Professor of Medicine, Director of Neurogastroenterology and Motility, and Program Director of Gastroenterology Fellowship Training at the Division of Gastroenterology, Washington University School of Medicine, St. Louis, USA. Dr. Gyawali's academic interests include esophageal motility disorders, gastroesophageal reflux disease, and functional disorders. He directs gastrointestinal motility centers affiliated with Washington University, and is involved in motility testing using high resolution manometry, esophageal ambulatory esophageal pH and impedance monitoring, wireless pH monitoring and endoscopic functional lumen imaging probe (FLIP). He is actively involved in clinical research involving neurogastroenterology and motility, and has published over 275 original articles, as well as several invited reviews and book chapters.

**Sabine Roman**

Sabine Roman, MD, PhD, is Professor of Digestive Physiology in Lyon University and Hospices Civils de Lyon. She is currently the ESNM representative in the UEG scientific committee. Her main research interest is focused on clinical application of esophageal functional testing including high resolution manometry and pH-impedance monitoring, motility disorders and gastro-esophageal reflux disease.

**Edoardo Vincenzo Savarino**

Edoardo Savarino received his Medical and Ph.D. degrees from University of Genoa in 2004 and 2009, respectively. From 2004 to 2011, he completed his residency in internal medicine and fellowship in Gastroenterology at the Azienda Ospedaliera-Universitaria San Martino of Genoa. Currently, he is Associate Professor of Gastroenterology, at University of Padua. His research is focused on gastrointestinal motility, acid-related disorders, eosinophilic gastrointestinal disorders, H2-

breath tests, inflammatory bowel diseases, microbiota and functional disorders (functional dyspepsia, irritable bowel syndrome). He has published extensively (h-index 55, published papers n=480) and He received various prizes for his work from United European Gastroenterology Federation, OESO foundation, Italian Society of Gastroenterology and Internal Medicine. He is also prominently involved in education of students, residents, fellows and peers at all levels.

**Reuben Kong Min Wong**

Reuben Wong is Associate Professor of Medicine, and adjunct faculty at the National University of Singapore. In his 18 years of public service, he introduced High Resolution Esophageal Manometry to and grew the utility of pH-Impedance testing in Singapore. He is also actively involved in drafting the new language for both upper and lower gut motility testing, and sits on both the International Anorectal Physiology Working Group, as well as Esophageal Chicago Classification Revision Committee. With his passion for education, Reuben is actively involved in post-graduate teaching, and leads GI Motility, an internationally renowned upper and lower motility hands-on teaching course. Reuben has key publications in the field of IBS, chronic constipation and gut motility, as well as being recognised for his work on quality improvement in colon cancer screening. He also lectures actively in the realm of gut microbiota, and was part of the team that introduced Fecal Transplantation to Singapore.

**Justin Wu**

Professor Wu is the Associate Dean (Health Systems) of Faculty of Medicine, The Chinese University of Hong Kong. He is currently the President of Asian Pacific Association of Gastroenterology and the Scientific Chairman of Asian Neurogastroenterology and Motility Association. His academic interests include functional gastrointestinal disorder, gastroesophageal reflux disease and esophageal motility disorder. He has over 300 peer-reviewed publications, including first-authored publications in Gastroenterology and Gut, and over 10 co-authored papers in New England Journal of Medicine, Lancet, and Annals of Internal Medicine.

**Gastrointestinal Working Group****Jutta Keller**

Jutta Keller is consultant gastroenterologist and leads the Day Clinic at the Israelitic Hospital in Hamburg, Academic Hospital University of Hamburg, Germany. Her academic and clinical interests include pathophysiology, diagnosis and therapy of motor disorders throughout the gastrointestinal tract, pancreatic exocrine insufficiency and carbohydrate intolerance. She is former president of the German Neurogastroenterology and Motility Society. Currently, she chairs the Neurogastroenterology and Motility Certificate Course of the German Gastroenterology Society and is member of the steering committee of the European Society of Neurogastroenterology and Motility.

**Daniel Pohl**

Daniel Pohl is a board-certified internist and gastroenterologist and head of the Functional Diagnostics Center in the Department of Gastroenterology at the University Hospital Zurich, Switzerland. He started his career as a fellow of the GI Functional Diagnostic Center in 2005, emphasizing clinics and research on upper gut motility and more lately, disorders of brain-gut interaction. Daniel is the Past-President of the Swiss Society of Neurogastroenterology and Motility and member of the Executive Committee of the European Society of Neurogastroenterology and Motility.

**Heinz Hammer**

Heinz Hammer is Associate Professor of Internal Medicine and Gastroenterology at the Medical University of Graz, Austria. He trained at the University of Graz, at Baylor University Medical Center Dallas, USA and Mayo Medical School Rochester, USA. He has been and remains board member of national and international professional societies including Chair of the Austrian Working Group on Functional GI Disorders, Austrian society of gastroenterology, secretary of EAGEN, UEMS-EBGH and was chair of UEG education committee and member of the UEG council. His main research interests are carbohydrate malabsorption and intolerance and related diseases, intestinal perception and symptom assessment, and other functional disorders. He has chaired the group for the creation of the European guideline for breath tests in adult and pediatric patients and currently contributes to three other European guidelines.

**Anorectal Working Group****Henriette Heinrich**

Henriette Heinrich has pursued her medical education at LMU München, Germany and has been engaged in clinical research based at the GI physiology lab of the University Hospital Zuerich since 2008 her clinical training as an internal medicine and gastroenterology specialist. Her main focus is anorectal physiology and high resolution anorectal manometry.

**Charles Knowles**

Charles Knowles is Professor of Surgery at Queen Mary University of London, Lead for Colorectal Surgery at the Cleveland Clinic London and an honorary Consultant Colorectal surgeon at Barts Health NHS Trust and St Marks Hospitals. He qualified from the University of Cambridge and undertook general surgical training and a PhD in London. His main research interests cover the development and evaluation of new technologies for the diagnosis and treatment of chronic bowel diseases (especially

neuromodulation and cell therapies). Clinically, he is a key international opinion leader on pelvic floor disorders and GI neuromuscular diseases. He was awarded an honorary fellowship of the American Society of Colon and Rectal Surgeons in 2021. Professor Knowles is the inaugural Clinical Director of Research at the Cleveland Clinic London and holds honorary chairs at University College London and the University of Antwerp. He has authored over 280 peer-reviewed publications (H-index: 65) as well as contributing to major international colorectal and general surgical texts, national guidance and health policy documents.

#### **Emma Carrington**

Emma Carrington is an Academic Consultant Colorectal Surgeon with a practice in pelvic floor disorders and neurogastroenterology at Imperial College, London. Following her undergraduate studies at Imperial College School of Medicine, she stayed in London to complete her surgical training as an NIHR Clinical Lecturer. She was supported by the Royal College of Surgeons during her PhD which explored the utility of high-resolution anorectal manometry in patients with faecal incontinence. Subsequent post-doctoral research led to the publication of the highly cited London Classification in 2019. In 2020 she was awarded post CCT fellowships from the ESCP and ACPGBI. She returned to her alma mater as a Clinical Senior Lecturer in 2021. She is widely published in the field of neurogastroenterology particularly with regards to the mechanisms of faecal incontinence and development of new techniques to describe anorectal function. She is the current Co-Chair of the Anorectal section of the Rome V Committee, and the Research and Development Chair for The Pelvic Floor Society.

#### **Mark Scott**

Dr Mark Scott, PhD is a Principal Investigator within the Blizard Institute at Queen Mary University of London, and is Director and one of the founders of the internationally-renowned GI (Colorectal) Physiology Unit at Barts and The London School of Medicine and Dentistry / Barts Health NHS Trust. He has around 30 years' experience, both clinical and academic, and has authored 200 original articles and 13 book chapters. Mark is one of the Leads of the International Anorectal Physiology Working Group into standardisation of diagnostic testing. His research interests are focused on normal colorectal function in health, and the pathophysiology and treatment of functional colorectal disorders (primarily constipation and faecal incontinence), including: visceral hyposensitivity; assessment of colonic motor function; diagnostic device development; and evaluation of novel therapies.

#### **Satish Rao**

Dr. Satish Rao is the J. Harold Harrison, MD, Distinguished University Chair in Gastroenterology at Augusta University, and past president of American Neurogastroenterology and Motility Society. He graduated from Osmania Medical College, Hyderabad, India and completed his PhD from the University of Sheffield, U.K., and the Fellowship of the Royal College of Physicians (FRCP) in London, U.K. Dr. Rao has an international reputation as an outstanding researcher, distinguished educator and Master Clinician who has received 4 meritorious honors from the AGA: the AGA Distinguished Clinician Award, AGA Masters Award for Outstanding Clinical Research, the AGA Distinguished Educator Award and recently the AGA Distinguished Mentor Award. He has published over 550 articles, 10 books and delivered 300 distinguished lectures worldwide.

#### **Jose M Remes-Troche**

Jose M Remes-Troche is a Full Time Researcher and Associate Professor of Gastroenterology, and since 2019 is the Director of the Medical Biological Research Institute at the Universidad Veracruzana, in Veracruz, Mexico. He is a Level III National Researcher in Mexico and Member of the National Academy of Medicine. He is part of the International Anorectal Working Group as well Member of the Anorectal Board for Rome V. Also, he is member of multiple national and international professional associations and currently serves on several Editorial Boards and national professional committees. Dr. Remes-Troche is committed to patient-care, research and education. He has written numerous articles and book chapters, and his clinical and research interests include functional gastrointestinal disorders, functional constipation and anorectal disorders.

#### **Giuseppe Chiarioni**

Dr Giuseppe Chiarioni is senior staff at the Gastroenterology Division of the University of Verona, Verona, Italy and Adjunct Associate Professor of Medicine at the Gastroenterology and Hepatology Division of the University of North Carolina at Chapel Hill, Chapel Hill, NC, USA. He is member of: the Anorectal Committee of the Rome Foundation, the Committee for Assessment and Conservative Management of Faecal Incontinence and Quality of Life in Adults of the International Consultation on Continence, and the International Anorectal Physiology Working Party Group (IAPWG). He trained at Johns Hopkins University on GI Motility and Rehabilitation with Prof MM Schuster and Prof WE Whitehead on 1987. Since then he developed a number of cooperative research projects focused on diagnosis and treatment of functional gastrointestinal disorders which have been mostly published on leading Gastroenterology Journals as Gastroenterology, Gut and The American Journal of Gastroenterology. His major includes biofeedback therapy for defecation disorders and hypnotherapy for functional gastrointestinal disorders.

#### **Hans Gregersen**

Dr. Gregersen is a MD, PhD and currently President and professor at the California Medical Innovations Institute in San Diego, California. Professor Gregersen established the GIOME network in 2008 that has facilities in four countries including USA. He served as the Chief Executive of the Sino-Danish University in Beijing from 2010-2013 where he also served as Vice-Dean at the Chinese Academy of Sciences. Dr. Gregersen is the recipient of the AGA Masters Award in Gastroenterology for Basic

Research and the Irish Walton Award named after Nobel Laureate ETS Walton. He is also recipient of the Chinese National Friendship Award. Dr. Gregersen is an internationally recognized investigator of gastrointestinal mechanics and mechanosensation. He has applied engineering and mechanical principles in gastroenterology and developed several bioengineering models for predicting behavior of gastrointestinal function. Professor Gregersen is the author of the books *Gastrointestinal Biomechanics* (2002) and *An Introduction to Gastrointestinal Mechanics* (2016). He authored many original research papers and reviews. Professor Gregersen's team developed several innovative technologies and medical devices. Among others, he developed impedance planimetry, the multimodal probe and the Functional Luminal Imaging probe (FLIP). The latter was commercialized in 2009, acquired by Medtronic in 2017, and commercialized in most countries. The most recent invention named Fecobionics, a simulated stool, that integrates several technologies used in anorectal laboratories, has shown great promise and is currently being tested in seven clinical trials.

#### **Kee Wook Jung**

Kee Wook Jung is a Clinical Professor of Gastroenterology at Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea. He performed his GI fellow training at Asan Medical Center, Seoul, Korea and Mayo Clinic in Rochester, Minnesota. He serves as the director of education of Korean Society of Neurogastroenterology and Motility and editorial committee of *Journal of Neurogastroenterology and Motility*. His research interest is functional gastrointestinal disorder. He has written numerous articles and book chapters including novel parameters in high-resolution manometry in anorectum and esophagus, behavioral therapy in functional GI disorders, achalasia and eosinophilic esophagitis.

## **Other Speakers**

#### **Greg O'Grady**

Greg O'Grady is a Professor of Surgery at the University of Auckland, New Zealand. His interests include gastrointestinal motility, intestinal failure, and bioengineering / medical devices. He has published extensively on novel technologies for monitoring human motility, neuromodulation, colorectal diseases and clinical trials. He also has a strong interest in commercialisation, and currently leads a spin-out company called Alimetry that is focused on wearable and digital technologies for non-invasively monitoring gut motility.

#### **Giulio A. Santoro**

Dr. Giulio A. Santoro was educated at the University of Naples and at the University of Siena, Italy. He is the Chief of the Tertiary Referral Pelvic Floor Center and Consultant Colorectal Surgeon, I<sup>o</sup> Department of Surgery at Treviso Regional Hospital, Italy. He was Consultant Colorectal Surgeon at Cleveland Clinic Abu Dhabi for 1 year from August 2014 to 2015. He holds academic appointments as Professor of Gastrointestinal Surgery at University of Padua, Italy and Honorary Professor of Surgery at Shandong University, China. Dr. Santoro is Director of the Italian School of Pelvic Floor Ultrasonography and Past-President of the Italian Society of Colorectal Surgery (SICCR). He is Associate Editor of *Techniques in Coloproctology* and is in the editorial board of *World Journal of Gastrointestinal Surgery*, *Female Pelvic Medicine Reconstructive Surgery*, *Journal of Ultrasonography and Pelviperineology*. He is also author of more than 300 chapters and articles published on peer-review journals as well as author of five books (*Atlas of Endoanal and Endorectal Ultrasonography*; *Benign Anorectal Diseases*; *Pelvic Floor Disorders* (2 editions); *Rectal Cancer*). He was in the faculty of more than 300 international congresses, workshops and courses.

#### **John C. Lipham**

John C. Lipham, M.D. is Chief of the Division of Upper GI and General Surgery and Professor of Surgery at the Keck School of Medicine of USC. He was the Inaugural President of the American Foregut Society and is currently the Chairman of the Board. Dr. Lipham also serves as the Foregut Cancer Program Director and Chief of USC Affiliated Academic Programs at Hoag Hospital and is the James & Pamela Muzzy Endowed Chair in GI Cancer. He focuses on benign and malignant diseases of the esophagus and stomach. His clinical interests include the diagnosis and treatment of GERD, hiatal hernias, Barrett's esophagus, esophageal motility disorders, achalasia, malignant diseases of the esophagus and stomach. His current research interests include developing minimally invasive methods of diagnosing and treating gastroesophageal reflux disease, Barrett's, esophageal cancer and gastric cancer.

#### **Anne Christin Meyer-Gerspach**

PD Dr. phil. II Anne Christin Meyer-Gerspach studied 'Nutritional Sciences' at the Technical University of Munich in Germany and graduated with a Master of Science in 2009. From 2009 to 2012, she did the PhD in 'Nutritional Physiology' at the University of Basel (Prof. Christoph Beglinger) in Switzerland. A grant from the Swiss National Science Foundation enabled her to carry out a postdoctoral research project at the Catholic University of Leuven (Prof. Jan Tack) in Belgium (2014-2016). Since her return to Switzerland, Anne Christin Meyer-Gerspach has been working in the research department of St. Clara Hospital and completed her Habilitation in 'Experimental Medicine' at the University of Basel (2019). Since 2019, Anne Christin Meyer-Gerspach is head of the 'Metabolic Research Group' and deputy head of the St. Clara Research Ltd. Her research interests are in the field of nutritional physiology and nutritional medicine, focusing on 'satiety regulation', 'glucose metabolism', 'gut-brain axis' and 'overweight/obesity'.

**Paul Vollebregt**

Paul Vollebregt studied medicine at the VU University of Amsterdam. In 2016 he started a combined PhD under supervision of Dr. Scott and Prof. Knowles (London), and Dr. Felt-Bersma (Amsterdam) on pathophysiology and treatment of faecal incontinence and constipation, which he completed in June 2022. In 2020 he started as a gastroenterology resident at Noordwest Hospital Alkmaar and Amsterdam University Medical Center, the Netherlands. He has an ongoing interest in research focussing on functional gastro-intestinal disorders.

**Enrique Coss-Adame**

Dr. Enrique Coss-Adame is a professor of medicine (full) in Neurogastroenterology and Motility postgraduate course for the Universidad Nacional Autónoma de México. He works at Department of Gastroenterology and Leading the GI Motility Unit in the Instituto Nacional de Ciencias Médicas y Nutrición "Salvador Zubirán", in México City, México. Dr Coss-Adame is a Level I researcher for the National Investigators System, CONACyT. Dr Coss-Adame has participated in the Chicago 4.0v classification, has been co-author in several papers and book chapters and also editor for several books and his clinical and research interests include functional gastrointestinal disorders including Achalasia, functional constipation and anorectal disorders.

**Daniel Sifrim**

Daniel Sifrim is a Gastroenterologist, trained in Argentina and Belgium, with both clinical and scientific interest in oesophageal benign disorders. He contributed with the development of diagnostic techniques for oesophageal motility disorders and gastro-oesophageal reflux disease (high resolution manometry, oesophageal impedance and salivary pepsin measurements). He is Emeritus Professor of Gastrointestinal Physiology at Barts and the London School of Medicine, Queen Mary University. He is co-director of the Neuro-gastroenterology Department at Princess Grace Hospital, London. He has published more than 250 articles in international peer reviewed journals and is an opinion leader in pathophysiology, diagnostic techniques and management of benign esophageal disorders.

**Asbjørn Mohr Drewes**

Asbjørn Mohr Drewes is Professor (Chair) at the Department of Gastroenterology and Hepatology, Aalborg University Hospital. He is also the Director of the research group Mech-Sense and of the Centre for Pancreatic Diseases at Aalborg University Hospital. Prof Drewes is a member of the Scientific Board of ESNM and President of the Scandinavian Association for Neurogastroenterology and Motility. As the author of more than 700 publications, Prof Drewes' current research interests include gastrointestinal pain, motility disorders, brain-gut axis, imaging, diseases of the pancreas, electrophysiology, pharmacological studies, and technological development to understand gastrointestinal physiology and pathophysiology.

**Matthias Turina**

Matthias Turina serves as section head of colorectal surgery and proctology at the University of Zurich hospital. He completed his basic surgical training in Zurich before pursuing a Ph.D. program in physiology during his research fellowship at the Department of Surgery, University of Louisville, KY USA. Having spent several years as general and trauma surgeon in Zurich, he completed a clinical fellowship in colorectal surgery at the Cleveland Clinic in Ohio, USA, before returning to the University of Zurich hospital to become professor of surgery and head of colorectal surgery. He currently also serves as the head of the robotic surgery center in this hospital. His main clinical and research interests are in the minimally-invasive treatment of both benign and malignant colorectal disorders, including colorectal cancer, inflammatory bowel disease, and functional benign anorectal disorders.

**Kristin Verbeke**

Kristin Verbeke graduated from the KU Leuven, Belgium as a pharmacist in 1991. She obtained a PhD in Pharmaceutical Sciences at the Laboratory of Radiopharmaceutical Chemistry in 1995 and subsequently spend a postdoctoral period in developing radioactively labelled compounds. In 2002, she was appointed at the department of gastroenterology of the Medical Faculty of the Leuven University where she got involved in the use of stable isotope labelled compounds to evaluate gastrointestinal functions. Within the University Hospitals Leuven, she is responsible for the clinical application of diagnostic  $^{13}\text{C}$ - and  $\text{H}_2$ -breath tests.

**Rebecca Burgell**

Prof Rebecca Burgell is a consultant gastroenterologist at Alfred Health and Monash University in Melbourne with an interest in functional gastrointestinal disorders, clinical nutrition, inflammatory bowel disease and pelvic floor dysfunction. She is the Head of the Functional Gastrointestinal disorders service at Alfred Health and medical lead of the Home Enteral Nutrition Program. Dr Burgell is passionate about advancing the multi-discipline care of patients with Functional GI disorders and improving our understanding of the contributing factors to symptom generation and impact on quality of life. Her research interests include exploring novel models of care for patients with functional bowel disorders, non-invasive neuromodulation techniques, exploring the intraluminal environment in health and disease and the use of intestinal ultrasound in patients with functional bowel disorders.



**Ronnie Fass**

Ronnie Fass, MD, is the Medical Director of the Digestive Health Center, Chairman of the Division of Gastroenterology and Hepatology, and head of the Esophageal and Swallowing Program at the MetroHealth Medical Center, Cleveland Ohio. He is also a tenured professor of medicine at Case Western Reserve University. Dr. Fass did his internship and residency in internal medicine at the University of Arizona Health Sciences Center, where he later became a Chief Resident. He then completed a fellowship in gastroenterology at the University of California in Los Angeles where he focused on GI motility and disorders of gut-brain interaction. Dr. Fass has served in leadership positions in many societies. He is the former treasurer of the American Neurogastroenterology and Motility Society as well as the chair of the education committee. The former member of the Nominating Committees of the Upper GI Section and Neurogastroenterology and Motility of the American Gastroenterological Association (AGA). He has served as the chair of the Functional Esophageal Disorders committee for Rome IV, Membership committee of the American Neurogastroenterology and Motility Society, Practice Parameter Committee and Audio Committee of the American College of Gastroenterology (ACG) and the Publication Committee of the American Society of Gastrointestinal Endoscopy (ASGE). He has also served as a member of the management committee of the journal Neurogastroenterology and Motility. Moreover, Dr. Fass has served as a member of many committees in different GI societies. Currently Dr. Fass serves as a member of the World Gastroenterology Organization (WGO) Guidelines and Publications committee, member of the ACG Digital communications and publications committee, member of The American Forgut Society (AFS) research committee, member of the International Society of Diseases of the esophagus (ISDE), education committee and the ACG GI on demand task force steering committee. In addition, Dr. Fass has served on the ANMS/EMS consensus group for Refractory GERD and as a core team member of Chicago Classification 4.0. He is currently a member of the EndoFlip experts panel working group, Rome V for functional esophageal disorders, Lyon 2.0 for GERD metrics (core member) and the multi-society guidelines for endoscopy credentialing. (Representative of the AFS). Currently, he is leading the AFS consensus group for Nonerosive reflux disease (NERD). Dr. Fass is the editor-in-chief of the Journal of Clinical Gastroenterology and he is the editor-in-chief of the Journal of Neurogastroenterology and Motility. Dr. Fass is a frequent lecturer and presenter and is a reviewer for more than 70 journals. He is and has served on the editorial board of 27 journals. Dr. Fass is the recipient of the American Gastroenterological Association Award for Digestive Sciences in Clinical Research, the Southern Arizona VA Health Care System Investigator of the Year Award, and the International Foundation of Functional Gastrointestinal Disorders Senior Clinical Investigator Award. He has received the University of Arizona Dean's Research Award, the Glaxo Institute of Digestive Health Clinical Research Award twice, the American College of Gastroenterology Research Award three times, the American Medical Association Resident-Mentor Award twice, and the American Journal of Gastroenterology Outstanding Reviewer Award. Dr. Fass has been selected as one of the Best Doctors in Arizona between 2004 and 2011, Best Doctor in Northern Ohio between 2012 and 2016, Castle Connolly Top Doctor from 2015-2023 and America's Top Doctor in 2021-2023. Dr. Fass was named World's Leading Expert in the research and treatment of GERD (press release 11/2013) and World's expert in esophageal motility disorders (Press release 7/2019) by Expertscape.com. He is one of the 5 recipients of Mastership in Gastroenterology (MACG) for 2021 by the American College of Gastroenterology. Dr. Fass has published more than 400 articles, editorials, and commentaries in journals such as New England Journal of Medicine, Gastroenterology, Gut, American Family Physician, American Journal of Gastroenterology, Archives of Internal Medicine, Lancet Gastroenterology and Hepatology and Nature reviews Primer. He has published three books and has written 62 book chapters, including 2 chapters in UpToDate.

**Jens Brøndum Frøkjær**

Jens Brøndum Frøkjær, Professor in Radiology, MD, PhD. Head of Radiology Research Center in Aalborg, Denmark, and specialized in quantitative imaging-based biomarkers including magnetic resonance imaging for assessment of gastrointestinal structure and function. Furthermore, a focus areas is the interaction between visceral organs and the brain assessed by functional, structural and metabolic brain scanning methods.

**Claudia Defilippi**

Claudia Defilippi is a Chilean gastroenterologist with interest in neurogastroenterology and oesophageal motor disorders. She completed her medical training in 1994 at the University of Chile. She did her Internal Medicine (1994-1997) and Gastroenterology training (1998-2000) at the University Hospital, University of Chile, in Santiago. Her area of interest lies in the field of digestive motility and functional digestive disease, promoting the development of the neurogastroenterology in her country. Dr Defilippi has expertise in performing and interpreting high resolution esophageal manometry, reflux monitoring (pH studies, pH Impedance) and anorectal manometry. Now she is the chief of the Esophagus and Anorectal Motility Laboratory of the University Hospital, University of Chile and also works at Clinica Las Condes. She is Associate Professor of the University of Chile, member of the Latinamerican Neurogastroenterology Society and currently the President of the Chilean Gastroenterology Society (2022-24).

**Charlotte Desprez**

Dr Charlotte Desprez, MD, PhD, is a senior consultant and a clinical researcher at the Digestive Physiology Department of the University Hospital of Rouen in France. Her research interests are the assessment of new devices in the exploration of functional GI disorders (EndoFLIP® system, high-resolution colonic manometry) and the development of new therapies for fecal incontinence (intra-rectal botulinum toxin injections, cellular therapy). She performed her fellowship at the University College of London on cellular therapy for fecal incontinence (ABEG Group). She is member of the ESNM social media faculty.

**Charles Cock**

Prof Charles Cock is a gastroenterologist in the Southern Adelaide Local Health Network (Flinders Medical Centre) in Adelaide, Australia. He is the Head of Luminal Gastroenterology & Endoscopy. He collaborates in the combined Swallowing Disorders Clinic service with Speech Pathology. He has Higher Degrees in Education and Gastrointestinal Motility and a research interest in normal and disordered swallowing, gastrointestinal symptom generation, motility and gastrointestinal cancer prevention.

**Johann Hammer**

Johann Hammer is Associate Professor of Internal Medicine, Gastroenterology and Hepatology at the Medical University of Vienna, Austria and is the head of the Functional Diagnostics Center and of Nutritional Medicine in the Department of Gastroenterology and Hepatology. He has completed extended stays abroad for postdoctoral training, research and clinical work at Mayo Medical School, Rochester, MN, USA, University of Sydney, Australia and University of Queensland, Brisbane, Australia and was head of endoscopy at Vincent Health Group Vienna. Professor Hammer is committed to patient care, research and education. His research interests include gastrointestinal pathophysiology and epidemiology in adults and the paediatric population.

**Peter Gibson**

Peter Gibson is Professor of Gastroenterology at the Central Clinical School, Monash University, having previously been Director of Gastroenterology at Alfred Health. From a background of research in epithelial cell biology, he directs a program of translational research in IBS and IBD with major attention to novel methods to assess structure and function of the intestine, and to the use of diet and other non-pharmacological strategies to improve patient outcomes. He has received many awards that include the Distinguished Research Prize by the Gastroenterological Society of Australia in 2010 and the Web of Science Highly Cited Researchers Award in 2020-2.

**Christine Feinle-Bisset**

Prof Christine Feinle-Bisset is a nutritional scientist with an undergraduate degree and a PhD from the University of Stuttgart-Hohenheim (Germany). Following studies at the University of Sheffield, UK, and a post-doc at the University of Zurich, Switzerland, she joined the University of Adelaide in 2000, where she holds the position of Professorial Research Fellow. She is the current President of the Australasian Neurogastroenterology and Motility Association Inc (2022-24). Her research is clinical and relates to the impact of nutrients on appetite, GI motor and hormone function and perception, in health, obesity and functional dyspepsia. It has contributed significantly to current concepts of the role of GI mechanisms in the regulation of energy intake in health and obesity, and symptom generation in functional dyspepsia.

**Joan Chen**

Dr. Joan Chen is an Assistant Professor at the University of Michigan, where she is the Director of Esophageal Motility since 2017. Her clinical and research interests include swallowing disorders, gastroesophageal reflux disease, eosinophilic esophagitis, and esophageal motility disorders. Her research project on the association between reflux and disordered sleep was awarded by an institutional philanthropy grant, as well as by a Rome-AGA pilot study grant. She is the site PI for several EoE clinical trials. Recently, she participated in the development of the latest Chicago Classification for esophageal motility disorders, the ACG guideline for clinical use of esophageal physiology testing, and the AGA Clinical Practice Update on extraesophageal gastroesophageal reflux disease.

**Marcin Banasiuk**

Dr Marcin Banasiuk is a specialist in pediatric gastroenterology and Head of Pediatric GI Motility Lab, Medical University of Warsaw. He was a chair and since this year the secretary of Motility Section of Polish Society for Pediatric Gastroenterology, Hepatology and Nutrition. His main areas of interest are the functional gastrointestinal disorders in children with a special interest in motility disorders and motility tests in children after surgery for congenital disorders. His main research aim is the implementation of new technologies in motility testing and their standardization in the pediatric population. He provides courses on motility testing in children in Poland. Currently, he is involved in UEG Activity Grants on the dissemination of guidelines for motility tests, and coordinating pediatric input of the content (EUGIM-Hub). He is the co-first author of the most recent guidelines on anorectal manometry procedures in children.

**Shaheen Hamdy**

Prof Shaheen Hamdy is currently Professor of Neurogastroenterology based in the Centre for GI Sciences, within the Division of Diabetes, Endocrinology and Gastroenterology, Faculty of Biology, Medicine and Health, University of Manchester. His research interests include neural mechanisms within the gastrointestinal system, with a particular focus on neuroplasticity and functional recovery following brain injury using human swallowing as an experimental model. This work has provided new knowledge about the cortical control of swallowing in man, and defined which aspects of its organisation are important for recovery after stroke. Prof Hamdy has prominence in most aspects of TMS, and has utilised a number of complimentary imaging modalities including PET and fMRI. His most recent work has begun characterising the role of therapeutic interventions in driving cortical plasticity and recovery after neurologic disease, with a particular interest in neurostimulation. His research has attracted over £4 million in external grant income from research council, Wellcome Trust and medical charities. He has published over 90 peer-reviewed research papers and has contributed to over 10 books.

**Renato Salvador**

Renato Salvador received his Medical degree from University of Padova in 2005. From 2006 to 2011, he completed his residency in Surgery at the University of Padova. From 2007-2008, he had an Esophageal Research Fellow at the University of Rochester, New York, USA. Jeffrey H. Peters, MD, FACS. Department of Surgery, Division Thoracic and Foregut. Currently, he is Associate Professor of Surgery, at the University of Padova. His research is focused on esophageal surgery (benign, malignant and emergency), gastrointestinal motility disorders, surgical endoscopy, esophageal pathophysiology and trauma. He performed (as first operator) more than 1000 esophageal surgeries and more than 3000 endoscopic dilations. He received various prizes for his work from ISDE, EAES, Journal Gastrointestinal Surgery SINGEM, SIC. He is also prominently involved in education of students, residents, fellows and peers at all levels. He has a Professional Bocce players with a strong Palmares of Medals at the Italian Championship.

**Santosh Sanagapalli**

Santosh Sanagapalli is a consultant Gastroenterologist. Following a clinical research fellowship in GI physiology at University College London, he was awarded a PhD in 2020 for his thesis examining the utility of provocative testing to improve the diagnostic accuracy of oesophageal high-resolution manometry. Upon return to Australia, he established and presently directs the Swallowing Centre at St. Vincent's Hospital Sydney, and is a national committee member of ANGMA (Australasian Neurogastroenterology & Motility Association). His ongoing clinical research program is focused on the diagnostic methodology used to assess oesophageal motor function, gastro-oesophageal reflux disease particularly with regards to its effects on lung allograft function, novel treatment paradigms in eosinophilic oesophagitis, and complex oesophageal stricture management.

**Oswaldo Borrelli**

Dr Oswaldo Borrelli is the Lead of Gastroenterology Department at Great Ormond Street Hospital. His clinical interests embrace gastrointestinal motility disorders, including gastroesophageal reflux disease, cyclic vomiting syndrome, chronic constipation, functional gastrointestinal disorders and chronic intestinal pseudo-obstruction as well as food-related disorders. Together with Dr Lindley, Dr Rybak and Dr Nikaki he runs a specialist motility centre for children with severe congenital and acquired gut motility disease, including Paediatric Intestinal Pseudo-obstruction (PIPO). Currently, he is member of GI Committee of European Society of Paediatric Gastroenterology, Hepatology and Nutrition (ESPGHAN). He is also member of different international working groups on the development of new clinical guidelines for the diagnosis and management of PIPO, and on the standardization of complex motility investigations.

**Dustin Carlson**

Dr. Dustin Carlson is an Assistant Professor of Medicine at the Northwestern University Feinberg School of Medicine. He is the Director of the Esophageal Center of Northwestern, as well as the Director of their Motts Tonelli Esophageal Function Lab. He is a proud member of the International High Resolution Manometry Working Group and also the chair of the American FLIP Panometry Working Group. His clinical and research interests are in benign esophageal disorders, in particular achalasia and esophageal motility disorders, on which he has authored over 100 peer-reviewed publications.

**Nicola de Bortoli**

Nicola de Bortoli, M.D., Professor of Gastroenterology, Department of Translational Research and New Technologies in Medicine and Surgery, University of Pisa. Head of Gastroenterology Training Program, University of Pisa. Expert in the field of esophageal motility disorders, GERD, impedance and pH monitoring and prolonged wireless pH monitoring. Active clinical research activity on the adjunctive metrics for improving the diagnostic performances of impedance and pH monitoring such as mean nocturnal baseline impedance (MNBI) and post-reflux swallowed induced peristaltic wave (PSPW) index. Recently a growing interest in clinical nutrition (vice-director of NOTRAFOOD, interdepartmental center for nutraceutical products and foods, in University of Pisa) and in eosinophilic esophagitis.

**Tilo Hühn**

Tilo Hühn is FoodArchitect, inventor, developer and implementer of regenerative technological processes in companies. With his team at the ZHAW in Wädenswil and in cooperation with partners from science and industry, they create, modify, expand and reproduce information pathways to explore functional solutions for the food world and implement the jointly obtained results. In doing so, they are on the path to creating the basis for the development of transformative and regenerative food processes. He is referred to behave as a "free radical" by his friends. He participates, responds, recharges, and disappears again to get involved elsewhere. Acting responsibly together, reflecting and making a difference are cornerstones in the professor's periodic table. He draws his activation energy from discourse with students. He is currently head of the Center for Food Composition and Process Design at ZHAW and involved in a radical ecosystem innovation, FoodCampus.Berlin. "I try to cultivate the unknown and love to dive into chaos with other people to find new compositions for products and possibilities for transformation in the form of regenerative processes. It's not about being innovative or not - it's about the how and the impact."

**Nogah Nativ-Zeltzer**

Nogah Nativ-Zeltzer is an Assistant Professor at the Sackler Faculty of Medicine at Tel Aviv University. Dr. Nativ-Zeltzer holds a BA from Haifa University and Ph.D. from Northwestern University. She conducted her postdoctoral training at the University of California Davis Department of Otolaryngology-Head and Neck Surgery, focusing on deglutology. Dr. Nativ-Zeltzer's research focuses on the prevention and treatment of swallowing disorders and aspiration pneumonia in the elderly. She utilizes high-resolution manometry and videofluoroscopic biomechanical analysis of the swallow to characterize physiological components of both normal and disordered swallowing, with the goal of designing accurately targeted preventative and rehabilitative treatment for adults with dysphagia.

#### **Mario Costantini**

Prof. M. Costantini graduated in 1980 at the University of Padua Medical School, Italy. He completed his Residency in General Surgery (1985) and in Gastroenterology (1989) at the same University. In 1991-92 he was "Esophageal Fellow" at the Department of Surgery, University of Southern California, Los Angeles, CA, under the leadership of prof. Tom R DeMeester. During this period he validated a system for the 24-h motility monitoring of the esophagus. He is Associate Professor of Surgery at the Department of Surgical, Oncological and Gastroenterological Sciences, University of Padua, Italy, where he worked from 1989 to 2021. He retired from clinical practice at the end of 2021, remaining fully involved in esophageal function research. His main interest lies in the diagnosis of functional diseases of the esophagus and their surgical treatment. At present, he is a Senior Scholar of the University of Padua, Italy. He is author or co-author of 130+ studies published in peer reviewed journals, mostly as first, corresponding or last author. His H-index is 40. Since November 2021 he is President of the Italian Society for Neuro-Gastro-Enterology and Motility (SINGEM).

#### **Marcelo F. Vela**

Dr. Vela is Professor Medicine, Director of Esophageal Disorders, and Program Director for the Advanced Fellowship in Esophageal Diseases at Mayo Clinic in Arizona. He is a frequent speaker at national and international conferences. He has more than 100 publications to his name in peer reviewed journals, including guidelines and consensus papers in esophageal disorders.

#### **Ugo Grossi**

Dr. Grossi is a consultant colorectal surgeon at Regional Hospital Treviso and assistant professor of surgery at University of Padua, Italy. He received his Medical Degree with academic honours from the Catholic University of Rome, where he completed his residency program in General Surgery. Dr. Grossi achieved a PhD in Digestive Disease at Queen Mary University of London under the supervision of Prof. Charles Knowles and Dr. Mark Scott. His main research interests are in the surgical management of benign coloproctological conditions as well as the role of colorectal physiological tests in guiding therapy. Dr. Grossi is author of more than 100 publications in peer-reviewed journals with impact factor.

#### **Nikhil Thapar**

Professor Nikhil Thapar is Director of Gastroenterology, Hepatology and Liver Transplant at Queensland Children's Hospital, leading a specialist neurogastroenterology and motility clinical service. He is co-editor of the textbook of Paediatric Neurogastroenterology and associate editor (motility) of the Journal of Pediatric Gastroenterology and Nutrition. He chairs the paediatric faculty of the Gastroenterology Society of Australia and the Neurogastroenterology and Motility committee of the Asia Pan-Pacific Society of Paediatric Gastroenterology, Hepatology and Nutrition and sits on the Rome V paediatric committee. He was previously head of the Neurogastroenterology and Motility service at Great Ormond Street Hospital (London, UK) and chair of the gastroenterology committee of ESPGHAN. Within ESPGHAN Professor Thapar has been an integral part of the development of guidelines for the performance of the range of paediatric GI manometric and motility tests as well as of clinical guidelines and consensus papers for the key GI motility disorders. His academic research also relates to the development of neural stem cell therapies for the most severe motility disorders.

#### **Shobna Bhatia**

Dr Professor) Shobna Bhatia is currently the Director of Motility Services, and a Consultant in the Department of Gastroenterology at Sir H. N. Reliance Foundation Hospital and Research Centre, Mumbai, India. She was superannuated as Head, Gastroenterology at Seth GS Medical College and KEM Hospital, Mumbai in 2019. She has been a member of World Gastroenterology Organisation guidelines committee for Gastro-esophageal Reflux Disease and Irritable Bowel Syndrome. She was a member of the Asian Barrett's Consortium for Barrett's Esophagus and Asian Pacific Consensus Meetings on the management of Gastro-esophageal reflux disease, 2016 and for the Chicago Classification of Esophageal Motility Disorders, v3.0 and 4.0, BOB-CAT consortium for Barrett's esophagus and International GERD Consensus Working Group. She is a member of the Functional Esophageal Disorders of Rome V committee. Professor Bhatia has vast experience in management of functional gastrointestinal diseases, solid-state manometry with impedance, pHmetry and breath-testing. She has authored many important papers and book chapters on esophageal motility, gastro-esophageal reflux disease, irritable bowel syndrome, esophageal diseases and dyspepsia. As the coordinator of Indian Society of Gastroenterology Task Force on Gastro-esophageal Reflux Disease, she oversaw data collation and publication on GERD epidemiology from more than 20 centres across the country and was also associated with the publishing of guidelines for GERD, 2018. She is the Chairperson for the Task Force on Dyspepsia and a core group member for the Task Force on Irritable Bowel Syndrome. She has served as Editor-in-chief of the Indian Journal of Gastroenterology, which is the official publication of Indian Society of

Gastroenterology. As Editor Emeritus she still continues to serve on the Editorial Board. She is also an editorial board member and reviewer

in many international journals in Gastroenterology. As a subject expert, she has been involved as faculty in numerous workshops on Scientific Communication and Research Methodology over the years. Prof. Bhatia has been a recipient of Unichem Lectureship in Gastroenterology and Indian Society of Gastroenterology Olympus Mitra Award for Endoscopy. She has also been honoured with the NBE excellence award by the Honourable Vice President of India, Shri Venkiah Naidu.

#### **Timothy McCulloch**

Dr. Timothy McCulloch is currently a tenured Full Professor and the Charles Ford endowed Professor of the Division of Otolaryngology Head & Neck Surgery at the University of Wisconsin - Madison. Dr. McCulloch has been in academic medicine for over 30 years, He was the Chair of Otolaryngology Head & Neck Surgery at the University of Wisconsin-Madison for 13 years (2017 to 2020). Dr. McCulloch has over 25 years of research experience focusing primarily on cancer care, voice and swallow related disorders. His work has incorporated both animal and human studies with significant contributions centered on neuromuscular control of swallowing and voice. He is a past President of the Dysphagia Research Society. He has been continuously funded for the last 16 years, via the NIH, PCORI, and VA.

#### **Nogah Nativ-Zeltzer**

Nogah Nativ-Zeltzer is an Assistant Professor at the Sackler Faculty of Medicine at Tel Aviv University. Dr. Nativ-Zeltzer holds a BA from Haifa University and Ph.D. from Northwestern University. She conducted her postdoctoral training at the University of California Davis Department of Otolaryngology-Head and Neck Surgery, focusing on deglutology. Dr. Nativ-Zeltzer's research focuses on the prevention and treatment of swallowing disorders and aspiration pneumonia in the elderly. She utilizes high-resolution manometry and videofluoroscopic biomechanical analysis of the swallow to characterize physiological components of both normal and disordered swallowing, with the goal of designing accurately targeted preventative and rehabilitative treatment for adults with dysphagia.

#### **Clive H. Wilder-Smith**

Dr. med. (Heidelberg), MD, AGAF (USA), FRCP (Edinburgh, UK)

##### A. Positions: Current

- Clinical gastroenterologist. Senior partner in private gastroenterology group practice and consultant in private hospital group (BeauSite Clinic, MediClinic Hirslanden Group, Bern).
- Consultant, Department of Preventive, Restorative and Paediatric Dentistry, Bern University, Bern, Switzerland.
- Academic researcher in gastroenterology and pain. Director of Brain-Gut Research Group: international academic research institute with focus on gastroenterology, neuroimmunology, pain and metabolic syndrome.
- Food Intolerance Diagnostics: commercial, applied science entity for researching health effects of food and for developing new procedures for the diagnosis and treatment of adverse food reactions.
- Functional Food Development: JCBerries Ltd Pty, Niqui®

##### B. Positions: Past

- 2004-2013: Visiting Professor, Director of Neurogastroenterology Research Group, Dept. of Medicine (Gastroenterology), National University, Singapore. Ongoing collaboration.
- 2008-2013. Visiting Professor, Beckman Laser Institute, University of California, Irvine, USA.
- 2001-present: Founder and Co-Director of Centre for Neuromodulation, Berne, Switzerland
- 1995-2009 : Commercial contract research organisation (CRO). Founder and Managing Director of 46-bed CRO with international presence, >100 phase I and II studies in pain, gastroenterology and metabolic syndrome.
- 1995-1997: Consultant Gastroenterologist, GI Clinic, Groote Schuur Hospital, University of Cape Town, South Africa
- 1993-1995: Founder and Head of Colorectal Unit at Visceral Therapeutic Centre, BeauSite Private Hospital, Berne, Switzerland
- 1993: Sabbatical, St. Marks Hospital, London, UK

#### **Roberto Penagini**

Currently works in the Department of Gastroenterology, Fondazione IRCCS Ca'Granda Ospedale Maggiore Policlinico, Milan, Italy, where he has been Head of the Endoscopy Unit until 2022. His main activities include clinical gastroenterology with particular experience in managing patients with esophageal disorders, diagnostic and therapeutic endoscopy, HRM and reflux testing, gastroenterology teaching. He has worked in the Department of Gastroenterology, Central Middlesex Hospital, London, UK (1985-1987) and in the Gastroenterology Unit, Royal Adelaide Hospital, Adelaide, South Australia (1993). Main research interests Pathophysiology, diagnosis and treatment of esophageal diseases. He has been particularly interested in motor function of the esophagogastric junction and esophageal body, starting his research in 1985 when in London and engaging in national and international collaborative studies.

#### **Phil Dinning**

Dr Phil Dinning is a Senior Hospital Scientist in the department of Surgery and Gastroenterology at Flinders Medical Centre where he heads the GI Motility Research Unit and the Anorectal Manometry Clinic. He holds Professorial academic status in the College of Medicine and Public health at Flinders University. He has research interests in colonic and anorectal motility

disorders. Collectively, he has published over 170 peer reviewed papers, invited reviews and book chapters on Gastrointestinal Motility.

**Adil E. Bharucha**

Dr. Adil E. Bharucha, MBBS, MD, AGAF is a Consultant in Gastroenterology and Hepatology, Professor of Medicine, and Chair of the Research Compliance Subcommittee at Mayo Clinic, Rochester, MN. He is actively engaged in clinical practice, research and education. He is a clinician-investigator with a keen interest in gastrointestinal motility disorders and particularly in pelvic floor disorders in women and diabetic gastroenteropathy. His work is driven by a singular focus on doing better for patients. His research is supported by a NIH RO1 grant to understand the pathophysiology, and develop novel approaches for managing defecatory disorders, a UO1 grant for a multi-center Fecal Incontinence Treatment Trial, and a RO1 grant to study single cell epigenomics and transcriptomics in diabetic enteropathy. Dr. Bharucha is President-Elect of the American Neurogastroenterology and Motility Society, a member of the Rome 5 Committee on Anorectal Disorders, and a member of the Editorial Board of the journal Neurogastroenterology and Motility.

**Salvatore Tolone**

Salvatore Tolone is Associate Professor of Surgery at the University of Campania, Naples, Italy. He is Chief of the Esophageal Motility and Reflux lab. His research and practice are focused on the Foregut Surgery (Esophageal, Gastric and Bariatric procedures) with particular interest in Digestive Surgery Pathophysiology.

**Allison Malcolm**

Clinical Professor Allison Malcolm is a teacher, researcher and Gastroenterologist at the Royal North Shore Hospital and the University of Sydney in Sydney, Australia. She is the Director of a major tertiary referral Neurogastroenterology Unit with a particular interest in anorectal biofeedback therapy and pelvic floor disorders.

**Peter Wu**

Dr Peter Wu completed his specialist training in adult gastroenterology at St George Hospital (Sydney, Australia) in 2014. He was awarded a PhD (UNSW) in 2018 for thesis where he investigated several novel diagnostic and therapeutic tools in the management of dysphagia disorders. In 2019, Peter undertook a third-space endoscopy fellowship at the Prince of Wales Hospital, Chinese University of Hong Kong. During the same year, he commenced several ongoing collaborative research projects evaluating a novel endoscopic procedure (C-POEM) as a treatment for neuromyogenic dysphagia resulting in cricopharyngeal dysfunction. He is the director of the St George Motility Services, and a senior lecturer (conjoint) at the University of NSW.

**Guillaume Gourcerol**

Prof. Guillaume Gourcerol received his Medical Degree and completed his Residency in Gastroenterology at the University of Rouen, France (2004). After a research fellowship at UCLA under the supervision of Prof Taché, he was appointed as an Associate Professor then Professor in Physiology at Rouen University Hospital, France (2013). He is currently heading the Digestive and Respiratory Physiology Department at Rouen University Hospital. His research is focused on functional dyspepsia and gastroparesis. He authored more than 100 publications in peer reviewed journals, and he was the past president of the French Society of Neurogastroenterology (GFNG).

**Adam Farmer**

Dr Adam Farmer was raised in Shropshire and educated at Stonyhurst College in Lancashire. He undertook his medical training at University College London, qualifying with the degrees of MB BS BSc (Hons) in 2001. He became a member of the Royal College of Physicians in 2004. Subsequently, he undertook his specialist training in gastroenterology and general medicine in the West Midlands before moving to the Wingate Institute of Neurogastroenterology, Barts and the Royal London School of Medicine, where he undertook a body of research funded by the Medical Research Council. He is currently a consultant gastroenterologist, senior lecturer and clinical director of specialized medicine at University Hospitals of North Midlands. During this time, he was awarded the degree of PhD at the University of London entitled "Human Psychophysiological Responses to Pain – The Development of Human Pain Endophenotypes". This work was awarded a prestigious prize by the American Neurogastroenterology & Motility Society. He was named as a UEG rising star in 2018. He has authored over 100 peer reviewed papers, written 8 book chapters and has given lectures both nationally and internationally. His work has been cited in excess of 7,500 times. His main clinical and academic interests concern all aspects of functional gastrointestinal disorders and the management of chronic abdominal pain, including irritable bowel syndrome.