



## **19th World Congress of Basic & Clinical Pharmacology 2023**

### **12<sup>th</sup> International Symposium on Cell/Tissue Injury and Cytoprotection/Organoprotection (ISCTICO): Update on Gastrointestinal injury: Mechanisms, Prevention and Treatment**

Saturday, July 1, 2023, 8:30-5:00 pm

Co-Chairs: Oksana Zayachkivska (Ukraine) and Sandor Szabo (USA)

**8:30 to 9:00 am - Registration**

**9:00-11:00 am - Session 1 (New & old molecules)**

**Chairs: Oksana Zayachkivska (Ukraine), Sandor Szabo (USA)**

9:00-9:15 Welcome and opening remarks.

9:15-9:30 Search for protease inhibitors to treat visceral pain: news from the microbiota.  
*Nathalie Vergnolle (France)*

9:30-9:45 New NSAIDs based on novel targets for inflammatory diseases and new  
biopharmaceutics.  
*Kim Rainsford (UK)*

9:45-10:00 The effect on nonsteroidal anti-inflammatory drugs on gut microbiota  
composition.  
*Zoltan Zádori, Klára Gyires (Hungary)*

10:00-10:15 The first gastrosafe aspirin-PC (Vazalore) on the market & other NSAID-  
PCs in the pipeline.  
*Len Lichtenberger (USA)*

10:15-10:30 Development of safe and effective anti-inflammatory drugs.  
*John L. Wallace (Canada)*

10:30-10:45 The somatostatin sst4 receptor protects against indomethacin-induced gastrointestinal injury in mice.  
*Zsuzsanna Helyes (Hungary)*

10:45-11:00 A new look on H<sub>2</sub>S-related metabolic control in mesenteric cytoprotection in association with adipocyte changes.  
*Oksana Zayachkivska (Ukraine)*

11:00-11:30 – General discussion & coffee

**11:30-12:30 - Session 2 (Mostly mechanisms - pathogenesis)**

**Chairs: Nathalie Vergnolle (France), Klara Gyires (Hungary)**

11:30-11:45 Role of miRNAs in organ protection.  
*Peter Ferdinandy (Hungary)*

11:45-12:00 Role of iron and copper in cell injury, especially in duodenum.  
*Sandor Szabo (USA)*

12:00-12:15 The potential role of thiol dioxygenases in GI injury and carcinogenesis: New studies with cysteamine and its derivatives.  
*John Schloss (USA)*

12:15-12:30 Mechanotransduction in the development of ileus.  
*Karen Uray (Hungary)*

12:30-12:45 Gaseous mediators-based pharmacology of chronic esophageal pathologies.  
*Marcin Magierowski (Poland)*

**12:45-1:45 Lunch**

**1:45-4:30 - Session 3 (Clinical applications)**

**Chairs:**  
**Bruno Bonaz (France), Ki-Baik Hahm (Korea)**

1:45-2:00 Roles of sulforaphane in the prevention of allergic diseases.  
*Yanaka Akinori (Japan)*

2:00-2:15 New therapeutic options for IBD/IBS, including no-drug/vagal stimulation.

*Bruno Bonaz (France)*

2:15-2:30 Is exercise the best medication for gut health?

Tom Brzozowski (Poland)

2:30-2:45 The clinical reality of drugs for functional & inflammatory diseases of the GI tract: What we gained & what is still missing.

*Gaetano Iaquinto (Italy)*

2:45-3:00 New drugs for GI diseases.

*Ki-Baik Hahm (Korea)*

3:00-3:15 New studies with stable gastric pentadecapeptide BPC 157 protecting the GI-tract.

*Predrag Sikiric (Croatia)*

3:15-3:30 No-drug approaches to improve the working capacity of organisms, its resilience to pain stimuli and the resistance of the gastric mucosa to ulcerogenic stimuli.

*Ludmila Filaretova (Russia)*

3:30-3:45

The usefulness of zinc for gastrointestinal disorders.

*Kikuko Amagase (Japan)*

3:45-4:00 Study on healing of intestinal mucosal damage by 5-fluorouracil.

*Shizuka Jonan, Kikuko Amagase (Japan)*

4:00-4:30 General discussion

4: 30 Closing of the symposium

*Klára Gyires (Hungary), Oksana Zayachkivska (Ukraine), Sandor Szabo (USA)*

5:00-6:00 Inflammopharmacology Editorial Board meeting (*Prof. Kim Rainsford*)