### WCP2023 – World Congress of Basic & Clinical Pharmacology Logo

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

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**12th** **International** **Symposium** **on** **Cell/Tissue** **Injury** **and** **Cytoprotection/Organoprotection (ISCTICO)**

***Update on Gastrointestinal******injury: Mechanisms, Prevention******and******Treatment***

**Courtyard Marriott, Glasgow, Scotland**

Saturday, July 1, 2023, 8:30-17:00

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

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

**9:00-11:30** - **Session** **1 (New & old molecules)**

**Chairs: Oksana Zayachkivska (USA/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 The effect on nonsteroidal anti-inflammatory drugs on gut microbiota composition.

*Zoltan Zádori,* *Klára Gyires (Hungary)*

9:45-10:00 The first gastrosafe aspirin-PC (Vazalore) on the market & other NSAID-PCs in the pipeline.

*Len Lichtenberger (USA)*

10:00-10:15 The somatostatin sst4 receptor protects against indomethacin-induced gastrointestinal injury in mice.

*Zsuzsanna Helyes (Hungary)*

10:15-10:30 H2S-related metabolic control in mesenteric cytoprotection: A review of past and present perspectives

*Oksana Zayachkivska (USA/Ukraine)*

10:30-10:45 Sir James Black; GI-ant of Scottish Pharmacology

*Graeme Sills (Scotland)*

10:45-11:00 Update on the clinical management of upper GI bleeding.

*Adrian Stanley (Scotland)*

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

**11:30-12:45** – **Session** **2 (Mostly mechanisms - pathogenesis)**

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

11:30-11:45 Cysteamine & its derivatives: From structure-activity & secretory/motility studies to the critical role of iron in the pathogenesis of duodenal ulceration.

*Sandor Szabo (USA)*

11:45-12:00 The potential role of thiol dioxygenases in GI injury and carcinogenesis: New studies with cysteamine & its derivatives.

*John Schloss (USA)*

12:00-12:15 Mechanotransduction in the development of ileus.

*Karen Uray (Hungary)*

12:15-12:30 Gaseous mediators-based pharmacology of chronic esophageal pathologies.

*Marcin Magierowski (Poland)*

12:30-12:45 Role of miRNAs in organ protection.

Peter Ferdinandy (Hungary)

12:45-13:00 – General discussion

**13:00-14:00** **Lunch**

**14:00-16:45** – **Session** **3 (Clinical applications)**

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

14:00-14:15 New NSAIDs based on novel targets for inflammatory diseases and new biopharmaceutics.

*Kim Rainsford (UK)*

14:15-14:30 Roles of sulforaphane in the prevention of allergic diseases.

*Yanaka Akinori (Japan)*

14:30-14:45 New therapeutic options for IBD/IBS, including no-drug/vagal stimulation.

*Bruno Bonaz (France)*

14:45-15:00 Is exercise the best medication for gut health?

*Tom Brzozowski (Poland)*

15:00-15:15 The clinical reality of drugs for functional & inflammatory diseases of the GI tract: What we gained & what is still missing.

*Gaetano Iaquinto (Italy)*

15:15-15:30 New drugs for GI diseases.

*Ki-Baik Hahm (Korea)*

15:30 -15:45 New studies with stable gastric pentadecapeptide BPC 157 protecting the GI-tract.

*Predrag Sikiric (Croatia)*

15:45-16:00 Non-drug approaches to improve the working capacity of organisms, its resilience to pain stimuli & the resistance of the gastric mucosa to ulcerogenic stimuli.

*Ludmila Filaretova, Olga Komkova, Olga Morozova, Tatiana Podvigina, Polina Punina, Natalia Yarushkina (Russia)*

16:00 -16:15 The usefulness of zinc for gastrointestinal disorders.

*Kikuko Amagase (Japan)*

16:15-16:30 Study on healing of intestinal mucosal damage by 5-fluorouracil.

*Shizuka Jonan, Kikuko Amagase (Japan)*

16:30-16:45 - General discussion

**16:45-17:00 Presentation of new Andre Robert Awards**

**16:45 Closing of the symposium.**

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

**17:00-17:30 Business meeting of IUPHAR GI Section**

*Klára Gyires (Hungary*

**17:30-18:00 Inflammopharmacology Editorial Board meeting** *(Prof. Kim Rainsford)*