



# 48<sup>th</sup> EHR S Meeting PROGRAMME

May 15-18, 2019, Kraków, Poland



Established 1971

## 15th May (Wednesday)

- 15.00 - Registration & poster mounting**  
International Cultural Centre, Rynek Główny 25
- 16.00 – 17.30** EHR S Council Meeting
- 18.00 – 19.15** **Inaugural session**  
Chair: K. Kieć-Kononowicz
- 18.00 - 18.45** **Opening Lecture - S. Chłopicki** (Jagiellonian Centre for Experimental Therapeutics, Kraków, Poland)
- L1** *Pharmacology of Endothelium; Bench-to-Bedside Gap*
- 18.45 – 19.15** **Invited Lecture – H. Timmerman** (Vrije University Amsterdam, The Netherlands)
- L2** *Histamine, an unfinished symphony or how an ugly duckling became an attractive swan*
- 19.30 -** **Welcome reception**  
International Cultural Centre, Rynek Główny 25

## 16th May (Thursday)

- 08.30** **Registration & poster mounting**
- 09.00 – 09.30** **Opening Ceremony**  
K. Kieć-Kononowicz – Head of the Organizing Committee; J. Sapa - the Dean of Faculty of Pharmacy UJ CM; W.A. Fogel - President of the Polish Histamine Research Society; K. Tiligada - President of the EHR S.  
  
Students Bursary certificates
- 09.30 – 10.15** **I Scientific Session – *Histamine and allergy***  
*Session dedicated to the memory of Prof. Kenji Tasaka†*  
Chair: W.A. Fogel & H. Timmerman

- 09.30 – 09.45** M. Mio (Shujitsu University, Okayama City, Japan)  
**L3** *Kenji Tasaka, a pioneer of histamine research in Japan*
- 09.45 – 10.15** **Invited Lecture** – H. Fukui (Tokushima University Graduate School of Biomedical Sciences, Japan)  
**L4** *Combination therapy of allergic rhinitis to a high-degree by suppressing histamine H<sub>1</sub> receptor-PKC delta and NFAT signaling*
- 10.15 – 11.15** **II Scientific Session - Histamine in gastrointestinal tract**  
 Chairs: S. Mommert & A.C. Rosa
- 10.15 – 10.45** **Invited Lecture** – B.Y. De Winter (University of Antwerp, Belgium)  
**L5** *The role of the gastrointestinal barrier in sepsis*
- 10.45 – 11.00** M.A. Mateescu (Université du Québec à Montréal, Canada)  
**O1** *Vegetal diamine oxidase to control the intestinal level of histamine*
- 11.00 – 11.15** D. Neumann (Medizinische Hochschule Hannover, Germany)  
**O2** *Lack of histamine H<sub>4</sub>-receptor expression protects mice from chemically induced inflammation-associated colon carcinoma*
- 11.15 – 11.30** **Coffee break + poster viewing**
- 11.30 – 13.15** **III Scientific Session - Neuronal histamine (part 1)**  
 Chairs: H. Haas & B. Sadek
- 11.30 – 12.00** **Invited Lecture** – B.M. Passani (University of Florence, Italy)  
**L6** *What's histamine got to do with memory stress and appetite?*
- 12.00 – 12.30** **Invited Lecture** – J. Mika (Polish Academy of Sciences, Kraków, Poland)  
**L7** *Pharmacological modulation of glia attenuates neuropathic pain and enhances opioid effectiveness*
- 12.30 – 12.45** B. Rani (University of Florence, Italy)  
**O3** *Diet prevents social defeat stress-induced cognitive and neurophysiologic modifications by activating the central histamine system*
- 12.45 – 13.00** I. Alrashdi (Newcastle University, UK)  
**O4** *Local administration of histamine-binding protein EV131 attenuates neuropathic pain and itch in mice: comparison to systemic effects*
- 13.00 – 13.15** V. Telezhkin (Newcastle University, UK)  
**O5** *Histamine stimulates CFTR CL<sup>-</sup> current by activating H<sub>1</sub>R-G<sub>q/11</sub> alpha pathway in human retinal glial Muller cells*
- 13.15 – 14.00** **Lunch**
- 14.00 – 15.15** **IV Scientific Session - Neuronal histamine (part 2)**  
 Chairs: K. Yanai & I. Obara

- 14.00 – 14.30** **Invited Lecture – P. Panula (University of Helsinki, Finland)**  
**L8** *Plasticity of the brain histamine system in health and disease*
- 14.30 – 14.45** **H.L. Haas (Heinrich-Heine University, Düsseldorf, Germany)**  
**O6** *Histamine-induced plasticity and gene expression in a mouse model with inborn hyperammonemia*
- 14.45 – 15.00** **O.A. Sergeeva (Heinrich-Heine University, Düsseldorf, Germany)**  
**O7** *Wakening cocktail and noradrenergic modulation of histaminergic and dopaminergic neurons*
- 15.00 – 15.15** **Z. Chen (Zhejiang University, Hangzhou, China)**  
**O8** *Novel and specific target for schizophrenia-like negative symptoms: histamine H<sub>1</sub> receptor in basal forebrain cholinergic neurons*
- 15.15 – 16.00** **V Scientific Session - *Neuronal histamine (part 3)***  
 Chairs: P. Panula & O.A. Sergeeva
- 15.15 – 15.45** **Invited Lecture – K. Yanai (Tohoku University, Sendai, Japan)**  
**L9** *Histamine N-methyltransferase in the brain*
- 15.45 – 16.00** **W. Hu (Zhejiang University, Hangzhou, China)**  
**O9** *Histamine H<sub>2</sub> receptor in oligodendrocyte inhibits its differentiation in hypoxic-ischemic white matter injury in neonatal mice*
- 16.00 – 16.15** **X. Zhang (Zhejiang University, Hangzhou, China)**  
**O10** *Histamine H<sub>3</sub> receptors aggravate cerebral ischemic injury by histamine-independent mechanisms*
- 16.15** **“Meet the Experts” - An informal session for Young Investigators to interact with experts and ask questions**
- 16.20 – 17.00** **Jagiellonian University Collegium Maius**  
*guided tour for first group of participants*
- 16.40 – 17.20** **Jagiellonian University Collegium Maius**  
*guided tour for second group of participants*
- 16.45 – 17.25** **Jagiellonian University Collegium Maius**  
*guided tour for third group of participants*
- 17.00 – 17.40** **Jagiellonian University Collegium Maius**  
*guided tour for fourth group of participants*
- 17.00 – 19.00** **Museum of Pharmacy – individual tour for participants**  
*Floriańska Street 25*
- 19.30 –** **Dinner at “CC Stefan Batory” Boat Restaurant**  
*Czerwieński Blvd. (on the Vistula River bank, next to the Wawel Hill)*

## 17th May (Friday)

- 08.30 – 09.15**     **Flash Poster Presentations (part 1) (Posters 1- 11)**     **Time max 3 min**  
Chairs: H. Stark & M. Grosicki
- 09.15 – 10.45**     **VI Scientific Session – *Biologically active compounds (part 1)***  
Session dedicated to the memory of Prof. Armin Buschauer†  
Chairs: S. Filipek & R. Leurs
- 09.15 – 09.30**     S. Pockes (University of Regensburg, Germany)  
**L10**     *Armin Buschauer - an interdisciplinary-minded pharmaceutical researcher and mentor*
- 9.30 – 10.00**     **Invited Lecture – H. Stark** (Heinrich-Heine University, Düsseldorf, Germany)  
**L11**     *Pitolisant treatment for children with Prader-Willi Syndrome – a patient study*
- 10.00 – 10.30**     **Invited Lecture - F. Borges** (University of Porto, Portugal)  
**L12**     *Exploiting multiple trials as a turning point for drug discovery and development for neurodegenerative diseases*
- 10.30 – 10.45**     S. Pockes (University of Regensburg, Germany)  
**O11**     *Synthesis and pharmacological characterization of CNS-penetrating H<sub>2</sub>R agonists and their possible use for neurodegenerative diseases*
- 10.45 – 11.00**     **Coffee break + poster viewing**
- 11.00 – 11.45**     **Flash Poster Presentations (part 2) (Posters 12 - 21) - Time max 3 min**  
Chairs: J. Jochem & L. Lucarini
- 11.45 – 13.15**     **VII Scientific Session – *Biologically active compounds (part 2)***  
Chairs: K. Walczyński & D. Neumann
- 11.45 – 12.15**     **Invited Lecture – R. Leurs** (Vrije University Amsterdam, The Netherlands)  
**L13**     *New tools for histamine receptor research*
- 12.15 – 12.45**     **Invited Lecture – J. Dyhrfeld-Johnsen** (Sensorion Pharma, Montpellier, France)  
**L14**     *Translational development of seliforant for the treatment of vertigo*
- 12.45 – 13.00**     L. Grätz (University of Regensburg, Germany)  
**O12**     *BRET-based binding assays: pyrylium-labeled histamine receptor ligands allow for the determination of binding constants at equilibrium and in real time*

- 13.00 – 13.15** **O13** A. Olejarz-Maciej (Jagiellonian University Medical College, Kraków, Poland)  
*β-arrestin recruitment by histamine H<sub>4</sub>R ligands from the group of novel aryl-1,3,5-triazine derivatives*
- 13.15 – 14.00** **Lunch**
- 14.00 – 15.00** **Flash Poster Presentations (part 3) (Posters 22 - 41) - Time max 3 min**  
Chairs: B.M. Passani & A. Sasse
- 15.00 – 16.00** **Poster sessions + Coffee break (21 posters in 2 parallel sessions)**  
**Poster session I (posters 1-11)**  
Chairs: H. Stark & M. Grosicki  
**Poster session II (posters 12 -21)**  
Chairs: J. Jochem & L. Lucarini
- 16.00 – 18.00** **City Tour of Kraków (ca. 2h of walking)**  
**19.30** **Symphonic Concert**  
*Karol Szymanowski Philharmonic of Kraków, Zwirzyńska Street 1*

## 18th May (Saturday)

- 08.40 – 10.20** **Young Investigator Awards**  
Chairs: M. Ennis & J. Dyhrfeld-Johnsen
- 08.40 – 09.00** **YIA1** T. Mocking (Vrije University Amsterdam, The Netherlands)  
*Photoswitchable ligands as tools for dynamic modulation of histamine receptors*
- 09.00 – 09.20** **YIA2** A. Alachkar (United Arab Emirates University, Al Ain, UAE)  
*Histamine H<sub>3</sub> receptor antagonist E177 attenuates pentylentetrazole-induced kindling progress and associated memory impairment and oxidative stress in rats*
- 09.20 – 09.40** **YIA3** R. De Luca (Harvard Medical School, Boston, USA)  
*Activation of neurokinin-1 receptor pathway in central histaminergic neurons*
- 09.40 – 10.00** **YIA4** M. Durante (University of Florence, Italy)  
*Cross-talk between histamine H<sub>4</sub> receptor (H<sub>4</sub>R) and A<sub>3</sub> adenosine receptor (A<sub>3</sub>AR) on CD4<sup>+</sup> T cells in resolution of neuropathic pain states*
- 10.00 – 10.20** K. Popiołek-Barczyk (Polish Academy of Sciences, Kraków, Poland)

- YIA5** *Antinociceptive effects of a novel histamine H<sub>3</sub> receptor antagonists in mouse model of neuropathic pain*
- 10.20 – 11.15** **Poster sessions + *Coffee break* (20 posters in 2 parallel sessions)**  
**Poster session III (Posters 22 - 32)**  
 Chairs: B. Passani & V. Telezhkin
- Poster session IV (Posters 33-41)**  
 Chairs: A. Sasse & J.P. Fernandes
- 11.15 – 13.15** **VIII Scientific Session – *Allergy and Inflammation* (part 1)**  
 Chairs: E. Masini & K. Tiligada
- 11.15 – 11.30** K. Tiligada (National and Kapodistrian University of Athens, Greece)  
*Introduction of the GB West Speaker*
- 11.30 – 12.15** **GB West Lecture – F. Levi-Schaffer** (Hebrew University of Jerusalem, Israel)  
**GB** *Inhibit activation or activate inhibition of mast cells and eosinophils: which weapon is better to fight allergic diseases?*
- 12.15 – 12.30** B.F. Gibbs (Carl von Ossietzky University of Oldenburg, Germany)  
**O14** *Lysophosphatidic acid induces histamine release from human basophils*
- 12.30 – 12.45** J. P. S. Fernandes (Federal University of São Paulo, São Paulo, Brazil)  
**O15** *Modulatory effects of H<sub>3</sub>R/H<sub>4</sub>R antagonists LINS01005 and LINS01007 on the inflammatory response in murine asthma model*
- 12.45 – 13.00** S. Sgambellone (University of Florence, Italy)  
**O16** *Gilz and histamine H<sub>4</sub> receptor inhibition in an inflammatory model of lung fibrosis in mice*
- 13.00 – 13.15** R. Khanferyan (Peoples' Friendship University of Russia, Moscow, Russia)  
**O17** *Histamine H<sub>3</sub>/H<sub>4</sub> antagonists have an impact on the synthesis of cytokines, chemokines and growth factors by peripheral blood mononuclear cells*
- 13.15- 14.00** ***Lunch***
- 14.00 – 15.45** **IX Scientific session – *Allergy and Inflammation* (part 2)**  
 Chairs: B. Gibbs & C. Chliva
- 14.00 – 14.30** **Invited Lecture – L. O'Mahony** (University College Cork, Ireland)  
**L15** *Role of microbial-derived histamine in mucosal inflammation*
- 14.30-14.45** W. Dathe (Heck Bio-Pharma GmbH, Winterbach, Germany)  
**O18** *Natural Cuban zeolite and its histamine binding capacity as well as its effect for oral and topical application in human beings*

- 14.45 – 15.00** R. Verta (University of Turin, Italy)  
**O19** *Effect of bilastine on the progression of diabetic nephropathy in DBA2/J mice*
- 15.00 – 15.15** L. Lucarini (University of Florence, Italy)  
**O20** *A new class of hybrid compounds with anti-inflammatory and carbonic anhydrase inhibition effects*
- 15.15 – 15.30** S. Mommert (Hannover Medical School, Germany)  
**O21** *Histamine up-regulates Oncostatin M expression in human macrophages*
- 15.30 – 15.45** K. Gerasimidou (National and Kapodistrian University of Athens, Greece)  
**O22** *Implication of circulating histamine in psoriasis: basic and clinical perspective*
- 15.45 – 16.00** ***Coffee break and viewing of selected posters***
- 16.00 – 18.00** **Closing of the meeting and General Assembly of the EHRS**
- 20.00** ***Gala Dinner in the “MORSKIE OKO” Restaurant***  
*Plac Szczepański 8, Kraków*