



48th 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** *Towards endothelial profiling in vivo*
- 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 H₁ 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 H₄-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⁻ current by activating H₁R-G_{q/11} 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 H₁ 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 H₂ 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 H₃ 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 H₂R 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** A. Olejarz-Maciej (Jagiellonian University Medical College, Kraków, Poland)
O13 *β-arrestin recruitment by histamine H₄R 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** T. Mocking (Vrije University Amsterdam, The Netherlands)
YIA1 *Photoswitchable ligands as tools for dynamic modulation of histamine receptors*
- 09.00 – 09.20** A. Alachkar (United Arab Emirates University, Al Ain, UAE)
YIA2 *Histamine H₃ receptor antagonist E177 attenuates pentylenetetrazole-induced kindling progress and associated memory impairment and oxidative stress in rats*
- 09.20 – 09.40** R. De Luca (Harvard Medical School, Boston, USA)
YIA3 *Activation of neurokinin-1 receptor pathway in central histaminergic neurons*
- 09.40 – 10.00** M. Durante (University of Florence, Italy)
YIA4 *Cross-talk between histamine H₄ receptor (H₄R) and A₃ adenosine receptor (A₃AR) on CD4⁺ 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 H₃ 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 H₃R/H₄R 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 H₄ 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 H₃/H₄ 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