15th May (Wednesday)

15.00 - Registration & poster mounting  
International Cultural Centre, Rynek Główny 25

16.00 – 17.30  EHRS 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 EHRS.

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)  
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)  
Combination therapy of allergic rhinitis to a high-degree by suppressing histamine $H_1$ 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)  
The role of the gastrointestinal barrier in sepsis

10.45 – 11.00 M.A. Mateescu (Université du Québec à Montréal, Canada)  
Vegetal diamine oxidase to control the intestinal level of histamine

11.00 – 11.15 D. Neumann (Medizinische Hochschule Hannover, Germany)  
Lack of histamine $H_4$-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)  
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)  
Pharmacological modulation of glia attenuates neuropathic pain and enhances opioid effectiveness

12.30 – 12.45 B. Rani (University of Florence, Italy)  
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)  
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)  
Histamine stimulates CFTR CL current by activating $H_1R-G_{q/11}$ 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)  
Plasticity of the brain histamine system in health and disease
<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker</th>
<th>Title</th>
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<tbody>
<tr>
<td>14.30 – 14.45</td>
<td>H.L. Haas (Heinrich-Heine University, Düsseldorf, Germany)</td>
<td>Histamine-induced plasticity and gene expression in a mouse model with inborn hyperammonemia</td>
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<td>14.45 – 15.00</td>
<td>O.A. Sergeeva (Heinrich-Heine University, Düsseldorf, Germany)</td>
<td>Wakening cocktail and noradrenergic modulation of histaminergic and dopaminergic neurons</td>
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<tr>
<td>15.00 – 15.15</td>
<td>Z. Chen (Zhejiang University, Hangzhou, China)</td>
<td>Novel and specific target for schizophrenia-like negative symptoms: histamine H₁ receptor in basal forebrain cholinergic neurons</td>
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<tr>
<td>15.15 – 16.00</td>
<td>V Scientific Session - Neuronal histamine (part 3)</td>
<td>Chairs: P. Panula &amp; O.A. Sergeeva</td>
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<tr>
<td>15.15 – 15.45</td>
<td>Invited Lecture – K. Yanai (Tohoku University, Sendai, Japan)</td>
<td>Histamine N-methyltransferase in the brain</td>
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<tr>
<td>15.45 – 16.00</td>
<td>W. Hu (Zhejiang University, Hangzhou, China)</td>
<td>Histamine H₂ receptor in oligodendrocyte inhibits its differentiation in hypoxic-ischemic white matter injury in neonatal mice</td>
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<tr>
<td>16.00 – 16.15</td>
<td>X. Zhang (Zhejiang University, Hangzhou, China)</td>
<td>Histamine H₃ receptors aggravate cerebral ischemic injury by histamine-independent mechanisms</td>
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<td>16.15</td>
<td>“Meet the Experts” - An informal session for Young Investigators to interact with experts and ask questions</td>
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<td>16.20 – 17.00</td>
<td>Jagiellonian University Collegium Maius</td>
<td>guided tour for first group of participants</td>
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<td>16.40 – 17.20</td>
<td>Jagiellonian University Collegium Maius</td>
<td>guided tour for second group of participants</td>
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<td>16.45 – 17.25</td>
<td>Jagiellonian University Collegium Maius</td>
<td>guided tour for third group of participants</td>
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<tr>
<td>17.00 – 17.40</td>
<td>Jagiellonian University Collegium Maius</td>
<td>guided tour for fourth group of participants</td>
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<tr>
<td>17.00 – 19.00</td>
<td>Museum of Pharmacy – individual tour for participants</td>
<td>Floriańska Street 25</td>
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<tr>
<td>19.30</td>
<td>Dinner at “CC Stefan Batory” Boat Restaurant</td>
<td>Czerwieński Blvd. (on the Vistula River bank, next to the Wawel Hill)</td>
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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

09.30 – 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. Dyhrfjeld-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, Zwierzyniecka Street 1

18th May (Saturday)
08.40 – 10.20  Young Investigator Awards
Chairs: M. Ennis & J. Dyhrfjeld-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 pentylentetrazole-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*