



Established 1971

European Histamine Research Society

<https://www.ehrs.org.uk/>

49th Annual Meeting

Online Symposium 1-2 July 2020

Dear Friends,

The planning of the 49th Annual Meeting of the European Histamine Research Society (EHRS) to be held in the 'Wolfsburg' in Düsseldorf/Mühlheim an der Ruhr (Germany) was well under way, when we were all met with the challenge of adapting our lives to the new measures set by the Covid-19 pandemic. There are many challenges we are facing everyday, however, keeping the good spirit of histamine lovers is not one of them. Together with EHRS Council, we would like to express our most sincere welcoming greetings to you for the *Online Symposium of the 49th Annual EHRS Meeting*.

Within the Symposium, there are two 2 h sessions held on the 1st and 2nd July 2020. We have selected *Blackboard Collaborate* as a platform to hold the Online Symposium. The link and details on how to join the Symposium are stated within the program of each session. In order to help things run smoothly, the same link will work for both sessions. The sessions will begin at 13:00 CEST¹, however you will be able to join the Symposium 30 minutes prior to commencement.

The Symposium will cover a range of interesting topics around the molecular and clinical pharmacology of histamine. All presenters are sincerely welcome, as well as all other participants who are interested in these topics. We invited young members of our Society to share with us their research findings in oral presentations. The *Bursary Award Committee* will select the best and most enthusiastic young presenter who will receive a Bursary Award towards next years' 50th Annual EHRS Meeting in Hannover, Germany. We hope everyone will be in high spirits, supporting and encouraging our young members during their presentations whilst also challenging them with questions during the discussion.

We hope this will be a memorable and successful Symposium due to the wonderful science and our drive to keep learning about histamine and not due to the current unprecedented circumstances.

Sincerely,

The Organizing Committee

Ilona Obara, Newcastle University, Newcastle upon Tyne, UK

Astrid Sasse, Trinity College Dublin, Dublin, Ireland

¹ CEST *Central European Summer Time*

General Information

The Online Symposium will be held *via* **Blackboard Collaborate**. For the best experience, we recommend using *Google Chrome* or *Safari*. To join the sessions please follow the link:

<https://eu.bbcollab.com/guest/4a600fd877a24631b137495515e0a3a3>

This link will be active for both days. You will be able to join the sessions 30 minutes prior to commencement. All attendees will automatically have the role of a 'participant' and technical support will be there to give everyone 'presenter' status who will need it.

Anyone on a Computer that does not have loudspeakers can use the dial-in option to get the audio *via* phone: +442033189610; PIN: 246 718 5542.

We will be recording the Symposium and therefore any forms of recordings and/or screenshots during the Symposium are strictly prohibited. You will receive a link to the recordings after the Symposium *via* email. You will also be able to access the link *via* EHRS website. Your cooperation is greatly acknowledged.

All presenters and participants may receive a certificate confirming their attendance and participation at the Online Symposium of the 49th Annual EHRS Meeting upon request from ilona.obara@ncl.ac.uk

Oral Communications

Oral presentations are scheduled for 20 min, which includes a 5-min discussion. The presentation itself should be no longer than 15 min. The presenter will be able to share their screen with all participants.

As a backup, all presenters should email a .pdf version of their presentation to sassea@tcd.ie ahead of the meeting, not later than 1 h before the session.

Committees

Scientific Committee

Ilona Obara, Newcastle University, Newcastle upon Tyne, UK

Astrid Sasse, Trinity College Dublin, Dublin, Ireland

Holger Stark, Heinrich Heine University Düsseldorf, Düsseldorf, Germany

Katerina Tiligada, National and Kapodistrian University of Athens, Athens, Greece

Bursary Award Committee

Dorota Lazewska, Jagiellonian University Medical College, Krakow, Poland

Mitsunobu Mio, Shujitsu University, Okayama, Japan

Olga Sergeeva, Heinrich Heine University Düsseldorf, Düsseldorf, Germany

1st July 2020

SESSION 1: Molecular and Clinical Pharmacology – Part 1

Via Blackboard Collaborate: <https://eu.bbcollab.com/guest/4a600fd877a24631b137495515e0a3a3>

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13.00 – 13.10 CEST (recording time stamp 00:00)

12.00-12.10 UK; 08.00-08.10 Brazil; 20:00-20.10 Japan

Welcome and introduction from the EHRS President, Prof. Katerina Tiligada

Session Chairs (recording time stamp 03:15)

João Paulo Fernandes, Universidade Federal de São Paulo, Diadema-SP, Brazil

Susanne Mommert, Hannover Medical School, Hannover, Germany

13.10 – 13.40 CEST (recording time stamp 08:30)

12.10-12.40 UK; 08.10-08.40 Brazil; 20.10-20.40 Japan

Histamine H₂ receptor and COVID-19

Madeleine Ennis, Queens University Belfast, Belfast, UK

13.40 – 14.00 CEST (recording time stamp 45:30)

12.40-13.00 UK; 08.40-09.00 Brazil; 20.40-21.00 Japan

Histamine H₄ receptor antagonist inhibits pro-inflammatory microglia and prevents the progression of Parkinson-like pathology: a new therapeutic strategy

Ling Shan, Netherlands Institute for Neuroscience, Amsterdam, The Netherlands

14.00 – 14.20 CEST (recording time stamp 01:05:35)

13.00-13.20 UK; 09.00-09.20 Brazil; 21.00-21.20 Japan

Histaminergic itch and the role of histamine H₁ and H₄ receptors in mice

Ibrahim Alrashdi, Newcastle University, Newcastle upon Tyne, UK

14.20 – 14.40 CEST (recording time stamp 01:26:40)

13.20-13.40 UK; 09.20-09.40 Brazil; 21.20-21.40 Japan

Pharmacological impact of missense variants in human histamine H₁ receptor

Xiaoyuan Ma, Vrije Universiteit Amsterdam, Amsterdam, The Netherlands

14.40 – 15.00 CEST (recording time stamp 01:46:20)

13.40-14.00 UK; 09.40-10.00 Brazil; 21.40-22.00 Japan

Histamine levels are connected to the pharmacological properties of the drug in NSAID-induced hypersensitivity reactions

Maria Kakolyri, National and Kapodistrian University of Athens, Athens, Greece

2nd July 2020

SESSION 2: Molecular and Clinical Pharmacology – Part 2

Via Blackboard Collaborate: <https://eu.bbcollab.com/guest/4a600fd877a24631b137495515e0a3a3>

Anyone on a Computer that does not have loudspeakers can use the dial-in option to get the audio via phone: +442033189610; PIN: 246 718 5542

13.00 – 13.05 CEST (recording time stamp 00:40)

12.00-12.05 UK; 08.00-08.05 Brazil; 20:00-20.05 Japan

Welcome and introduction from the EHRS President, Prof. Katerina Tiligada

Session Chairs (recording time stamp 01:10)

Wiesława Agnieszka Fogel, Medical University of Lodz, Lodz, Poland

Pertti Panula, University of Helsinki, Helsinki, Finland

13.05 – 13.40 CEST (recording time stamp 03:55)

12.05-12.40 UK; 08.05-08.40 Brazil; 20.05-20.40 Japan

The discovery of LML134, a histamine H₃ receptor inverse agonist for the clinical treatment of excessive sleep disorders

Yves Auberson, Novartis Institutes for BioMedical Research, Basel, Switzerland

13.40 – 14.00 CEST (recording time stamp 40:00)

12.40-13.00 UK; 08.40-09.00 Brazil; 20.40-21.00 Japan

LINS05 compounds as potential multitarget agents: screening assessment of H₃R, D₃R and AChE

Cecilia M. Aranha, Universidade Federal de São Paulo, Diadema-SP, Brazil

14.00 – 14.20 CEST (recording time stamp 57:53)

13.00-13.20 UK; 09.00-09.20 Brazil; 21.00-21.20 Japan

Histone H₃ methyltransferases and histamine H₃ receptors as targets for Prader-Willi syndrome

David Reiner, Heinrich Heine University Düsseldorf, Düsseldorf, Germany.

14.20 – 14.40 CEST (recording time stamp 01:28:06)

13.20-13.40 UK; 09.20-09.40 Brazil; 21.20-21.40 Japan

Histamine H₃ receptor and dopamine D₂R/D₃R antagonist ST-713 palliates autism-like behavioural features in BTBR T+tf/J mice by multiple actions

Mohamed Alawad, United Arab Emirates University, Abu Dhabi, United Arab Emirates.

14.40 – 15.00 CEST (recording time stamp 01:51:55)

13.40-14.00 UK; 09.40-10.00 Brazil; 21.40-22.00 Japan

Concluding remarks and closing of the Symposium by the EHRS President, Prof. Katerina Tiligada