

**EHR3 39th Conference Durham April 21st-25th April 2010
Hatfield College, Durham University**

Preliminary Programme

Wednesday April 21st

10.00-16.00

COST ESR WG1 Methods Workshop

Professor Rob Leurs - Medicinal Chemistry & receptor modelling

Professor Andras Falus – Genomics & bioinformatics

Dr Abdel Ennaceur – In vivo preclinical studies

Dr Paul L Chazot – Antibody production & validation

Professor Ralf Gutzmer – Inflammation models

15.00 onwards Registration

16.00-18.00 EHR3 Council Meeting (Birley room, Hatfield College)

18.30-19.30 COST Public Lecture Professor JC Schwartz (Calman Building, University of Durham)

19.30 onwards Welcome Party

Thursday 22nd April

8.30 Opening session

9.30-10.30 GB West Lecture Professor JC Schwartz (Bioprojet, France)

10.30-10.45 Coffee Break

Oral session I COST ACTION Histamine H4 receptors

Thursday April 22nd 10.45 – 12.00

Nijmeijer	Protein Fragment Complementation, A New Way To Look At Human H ₄ Receptor Oligomerization
Diel	H4R ligands induce STAT downstream phosphoregulation
Simon	Role of histamine H4 receptor in murine dendritic cell functions

Mommert	Human memory Th17 cells express a functional H4 receptor.
Rivera I	JNJ7777120 Compound: a Potential Candidate for Use as Radioprotector

Oral session II COST ACTION Histamine H4 receptors

Thursday April 22nd 12.00 – 13.00

Khanferyan	Impact of H3/H4 antagonists on IgE and IgE-regulatory cytokine's synthesis
Gschwandtner	Histamine H ₄ Receptor activation on human 6-sulfo LacNAc-expressing dendritic cells downregulates their proinflammatory capacity
Masini	Anti-inflammatory effects of a selective histamine H ₄ R antagonist in a rat model of carrageenan-induced pleurisy.
Gutzmer	Histamine downregulates IL-27, another member of the IL-12 family, via H ₂ R and H ₄ R on human monocytes.

13.00-14.00 Lunch

14.00-15.00 Professor Patrizio Blandina (Florence, Italy)

Oral session III General Histamine topics

Thursday April 22nd 15.00 – 16.00

Gibbs	Differential Modulation of Human Basophil Function by Ambroxol and Related Secretolytic Analogues.
Peachell	Heterogeneity in the responses of human lung mast cells to Stem Cell Factor
Schwelberger	Histamine Signaling And Metabolism In Solid Organ Transplantation
Szukiewicz li	Increased Pyroptosis in Human Amniotic Epithelial Cells (HAEC) in Chorioamnionitis (CHA) May be Related to Histamine Acting via its H2 Receptor.

16.00-19.00 Poster session/Refreshments

19.00-20.00 COST WG1/2 meeting

20.00 Dinner

8.30-9.30 Plenary Lecture Dr Nick Curruthers (J&J, USA)

Oral session IV Histamine in the Brain

Friday April 23rd 9.30 – 11.00

Lin	Evidence for a role of histamine in motivation-driving wakefulness, study using knock-out mouse models.
Sundvik	The Histaminergic System Regulates Wakefulness Through a Hypothalamo-telencephalic System and Orexin Cells in Zebrafish
Ling	The Histaminergic system in Parkinson's Disease
Vanhanen	H3 receptor-dependent regulation of conditioned reward by ethanol
Jochem	Involvement of the brain histaminergic system in the melanocortin MC4 receptor agonist RO27-3225-induced resuscitating effect in haemorrhage-shocked rats – haemodynamic studies
Carman-Krzan	Histaminergic stimulation of astrocytic NT-3 synthesis: Mediation via histamine H ₁ , H ₂ and H ₃ receptors

11.00-11.30 Coffee break

Oral session V H3 receptors in the periphery

Friday April 23rd 11.30 – 12.15

Coruzzi	Involvement of histamine in the gastroprotection induced by ghrelin in the conscious rat
Vogel	Histamine H ₃ , rather than H ₄ receptors participate in regional blood flow regulation in rat model of ulcerative colitis
Kyriakidis	Effects of the H ₃ Receptor Inverse Agonist GSK334429 on the Histamine Levels of Cartilage, Oesophagus and Peripheral Blood Vessels in Rats with Adjuvant Arthritis

12.15-13.15 Plenary Lecture Drs Jorge Brioni & Marlon Cowart (Abbott, USA)

13.15 Lunch

14.00 onwards Excursion (Beamish) & Dinner (Lumley Castle)

Saturday April 24th

8.30-9.30 Dr Steve Liu (Pfizer, UK)

9.30-10.30 Oral session VI – Young Investigator histaminologist

Lethbridge I	MAJOR HUMAN HISTAMINE H ₃ RECEPTOR ISOFORMS DISPLAY PHARMACOLOGICAL DIFFERENCES
Anaclet	Complementary and Synergistic Control of Wakefulness by Orexins and Histamine, Demonstrated Using a Double Knockout Mouse Model
Nuutinen	Histamine and Dopamine in Alcohol Addiction: Friends or Enemies?

10.30-11.00 Coffee break & final poster viewing

Oral session VII Histamine in the brain II

Saturday April 24th 11.00 – 12.00

Passani	Oleoylethanolamide and Brain Histamine Interact to Regulate Feeding Behaviour
Munari	Effects Of Citalopram On Tail Suspension Test Require The Presence Of Neuronal Histamine
Haas	Dopamine-induced arousal depends on the histaminergic system
Ruitenbeek	CENTRAL H1-RECEPTOR BLOCKADE INCREASES SEDATION, BUT DOES NOT AFFECT MEMORY IN HEALTHY HUMANS

Oral session VIII COST ACTION Histamine Medicinal Chemistry I

Saturday April 24th 12.00 – 13.15

Thurmond	Pharmacological Characterization of Oxime Agonists of the Histamine H ₄ Receptor
Karcz	2-Amino-4-(4-methylpiperazin-1-yl)-1,3,5-triazine Derivatives as Ligands of Histamine H ₄ Receptor.
Savall	Discovery and SAR of Pyrimidine Derived Histamine H ₄ Receptor Antagonists

Guccione	Is it possible to increase hit rates in virtual screening by multiple focusing? Indexing chemicals for their H4 receptor antagonism
Leurs	Fragment optimization leading to H ₄ receptor ligands with differential pharmacology

13.15-14.00 Lunch

Oral session IX Histamine Medicinal Chemistry II

Saturday April 24th 14.00 – 15.15

Sander	Acidic Elements in Histamine H ₃ Receptor Ligands
Kuder	para-t-Pentylphenoxyalkyl Piperidine Derivatives as Potent Histamine H ₃ Receptor Ligands
Moya-Garcia	Systems Biology on histamine H ₄ receptor activity
Rayan	INDEXING DRUGS FOR THEIR CARDIO-TOXICITY
Birnkammer	Application of the bivalent ligand approach to acylguanidines resulted in highly potent and selective histamine H ₂ receptor agonists

15.15-15.30 Coffee Break

15.30-16.00 Late breaking news session

16.00-18.00 General assembly EHRS

18.00-19.00 WG3/4 meetings

19.45 Farewell Dinner

Sunday 25th April Checkout