



BRITISH ATHEROSCLEROSIS SOCIETY

Queens' College • Cambridge, UK

Organised by: J Boyle / D Haskard / P Talmud

CPD approval – applied for

BADG / BAS 100TH MEETING : 11- 12 SEPTEMBER 2008 FINAL PROGRAMME

- NUCLEAR RECEPTORS AND ATHEROSCLEROSIS -

THURSDAY 11 SEPTEMBER:

09:30 Registration and Refreshments

10:00 Introduction and Welcome: *Professor Dorian Haskard*

Structural and chemical biology

10.00 -10.40 **A STRUCTURAL UNDERSTANDING OF PPAR GAMMA SIGNALLING:
WHAT WE LEARN FROM NOVEL LIGANDS AND HUMAN MUTATIONS**

John Schwabe

University of Leicester, UK

10.40- 11.00 Discussion

10.00-11.40 **CHEMICAL BIOLOGY OF ORPHAN NUCLEAR RECEPTORS**

Tim Willson

GSK, Research Triangle Park, North Carolina, USA

11.40-12.00 Discussion

Nuclear receptors in metabolic homeostasis and metabolic syndrome

12.00-12.40 **NUCLEAR RECEPTORS, METABOLIC HOMEOSTASIS AND METABOLIC SYNDROME**

Bart Staels

Pasteur Institute, Lille, FRANCE

12.40- 13.00 Discussion

13.00-14.00 Lunch

14.30- 14.30 **ROLE OF RIP140 IN METABOLIC GENE EXPRESSION AND ENERGY HOMEOSTASIS**

Malcolm Parker

Imperial College London, UK

14.40 -14.40 Discussion

Nuclear receptors linking inflammation and metabolism

14.40- 15.20 **NUCLEAR RECEPTORS AT THE CROSSROADS OF LIPID METABOLISM AND INFLAMMATION**

Peter Tontonoz

UCLA, USA

15.20 - 15.30 Discussion

15.30 - 16.10 **MODULATION OF THE PPAR-RXR SYSTEM**

Jorge Plutzky

Brigham and Women's, Harvard, USA

16.10-16.30 Discussion

16.30 -17.30 **SPECIAL LECTURE TO MARK THE BADG/BAS 100TH MEETING**
A HALF CENTURY OF CONTROVERSY OVER CHOLESTEROL IN BRITAIN

Professor Gilbert Thompson

London, UK

17:30 Meeting concludes – Day One
Refreshments

18:30 Drinks Reception and Poster session (offering an opportunity to discuss work with the authors)

1

HEME OXYGENASE-1 FACILITATES PPAR α -MEDIATED CYTOPROTECTION IN THE HUMAN VASCULAR ENDOTHELIUM

F Ali, AM Randi, JJ Boyle, DO Haskard, JC Mason

Cardiovascular Medicine Unit, Bywaters Center for Vascular Inflammation, Imperial College London, Hammersmith Hospital, Du Cane Road, London, UK

2

PPAR β RELEASE IN MICROPARTICLES FROM ACTIVATED PLATELETS

FY Ali(1,2), TD Warner(2) and JA Mitchell(1)

(1)Cardiothoracic Pharmacology, National Heart and Lung Institute, Imperial College, London, UK. (2)William Harvey Research Institute, Bart's and the London School of Medicine and Dentistry, Charterhouse Square, London, UK

3

THE PROINFLAMMATORY EFFECTS OF THE LIVER X RECEPTORS

DL Asquith (1), AM Miller (1), AJ Hueber (1), H Wilson (1), N Sattar (2), H McKinnon (3), GJ Graham (1), IB McInnes (1)

1 Glasgow Biomedical Research Centre, Division of Immunology, Infection and Inflammation, UK. 2 British Heart Foundation, Glasgow Cardiovascular Research Centre, UK. 3 Organon Laboratories Ltd (part of Schering-Plough Corporation), UK

4

ABOLISHING INTRAVASCULAR GLUCOCORTICOID METABOLISM BY 11 β -HSD ISOZYMES DOES NOT INFLUENCE NEOINTIMAL LESION FORMATION

J Iqbal, LJ Macdonald, BR Walker & PWF Hadoke

Introduced by Professor DE Newby

Centre for Cardiovascular Science, The Queen's Medical Research Institute, University of Edinburgh, UK

5

A NOVEL CO-RECEPTOR OF THE TLR/IL-1 RECEPTOR FAMILY REGULATES NF- κ B ACTIVATION IN RESPONSE TO INFLAMMATORY MEDIATORS AND SHEAR STRESS

S McHarg, F Shephard, I Palmer, X Zhang, E Qvarnstrom

Academic Unit of Cell Biology, School of Medicine and Biomedical Sciences, University of Sheffield

6

LXR α IS PREDOMINANTLY RESPONSIBLE FOR LXR AGONIST INDUCED UPREGULATION OF ABCA1 AND ABCG1 mRNA IN MURINE BONE MARROW AND BLOOD

S Miller, N Barnett, K McGregor, E Kennedy-Walton, G Duncan, H Davidson-Smith, D Mallinson, H McKinnon

Organon (a part of Schering-Plough Corporation), UK.

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CCR7 REGULATION BY LXR ALPHA PHOSPHORYLATION IN MACROPHAGES

I Pineda-Torra(1,2), JE Feig(3), EA Fisher(3), MJ Garabedian(1)

1Departments of Microbiology, Urology, and 3Medicine, NYU School of Medicine, New York, NY 10016.

2Centre for Clinical Therapeutics, Division of medicine, University College of London, UK

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EZETIMIBE IN THE MANAGEMENT OF PATIENTS WITH SEVERE HYPERLIPIDAEMIAS AT HIGH CARDIOVASCULAR RISK.

R Sarwar [1&2], C Neuwirth [2], S Walji [2], GR Thompson [3], M Seed [4], R Naoumova [2]

Dept of Cardiology [1], Lipid Clinic [2], Metabolic Medicine [3], Hammersmith Hospital. Charing Cross Hospital, [4].

Imperial College, and Imperial College Healthcare NHS Trust.

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PPAR α AGONISTS 15D-PGJ2, ROSIGLITAZONE AND CIGLITAZONE ENGAGE IN NON-GENOMIC SIGNALLING MECHANISMS THAT INHIBIT HUMAN PLATELET ACTIVATION

M Spyridon, LA Moraes, CI Jones, JM Gibbins

School of Biological Sciences, University of Reading, UK

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PREGNANE X RECEPTOR, PROTECTIVE REGULATOR OF THE VASCULATURE
KE Swales(1), R Moore(2), NJ Truss(1), TD Warner(1), M Negishi(2), D Bishop-Bailey(1)
(1)William Harvey Research Institute, Barts & the London School of Medicine and Dentistry, Queen Mary University
of London (2)National Institute of Environmental Health Sciences, NIH, RTP, NC, USA

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DISTINCT CONTROL OF INFLAMMATORY AND ANTI-APOPTOTIC RESPONSES THROUGH TILRR, A NOVEL TOLL-
LIKE/IL-1 REGULATOR
X Zhang(1), F Shephard(1), EE Qvarnstrom(1&2)
Academic Unit of Cell Biology School of Medicine and Biomedical Sciences,
1.University of Sheffield, Sheffield
2.Affiliated, Department of Pathology, University of Washington, Seattle, WA

19:45 Conference Dinner

FRIDAY 12 SEPTEMBER:

- 9:00 -10:00 **HUGH SINCLAIR LECTURE**
**RUBOR, CALOR, DOLOR ET NCOR: NUCLEAR RECEPTOR REPRESSION PATHWAYS
THAT REGULATE INFLAMMATION**
Christopher Glass
University of California, San Diego, USA
- Translational Medicine of Nuclear Hormone Receptors**
- 10.00- 10.20 **NUCLEAR RECEPTORS, INFLAMMATION AND THROMBOSIS**
David Bishop-Bailey
William Harvey Institute London, UK
- 10.20-10.30 Discussion
- 10.30-11.00 Refreshments
- 11.00-11.30 **NR4A ORPHAN NUCLEAR RECEPTORS IN ATHEROSCLEROSIS AND METABOLISM**
Carlie De Vries
Academic Medical Centre, Amsterdam, THE NETHERLANDS
- 11.30-11.40 Discussion
- 11:40-12:10 **CARDIOVASCULAR PHENOTYPES OF NUCLEAR HORMONE RECEPTOR DEFICIENT MICE**
Antonio Vidal Puig
Cambridge, UK
- 12:10-12.20 Discussion
- 12.20-12.50 **PPARS AND ATHEROSCLEROSIS IN THE CLINIC**
Nico Marx
Ulm, GERMANY
- 12:50-13.00 Discussion
- 13:00 Concluding Remarks: *Professor Dorian Haskard*
- 13:00 Close of Meeting and Lunch

Meeting Secretariat:

Wheldon Events & Conferences

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