

British Pharmacological Society Meeting

Friday 10th July 2009

9.00-12.00pm

Meeting organisers: Dr H Anne Leaver, Edinburgh UK & Dr Dino Rotondo, Strathclyde UK

'Topical questions in Cell Death Signalling'

Outline Programme

The theme of this session will be cell death signalling, stressing new pathways, including lipid mediators and neuronal systems. Each lecture will raise relevant questions in this rapidly developing field. Topics will include: Intracellular and transcellular pathophysiology of cell death mediators and signals, intrinsic mitochondrial pathways, stress and reactive oxygen responses, calcium flux, in vascular endothelial, neuronal and inflammatory systems, degenerative processes.

Chair *Prof Anna Nicolaou, University of Bradford, UK & Dr Mehar Manku, Amarin Neurosciences, Oxford UK*

8.50am Chair welcome and introduction

Keynote Lecture

9.00-9.45am 'Signals, agonists and antagonists of apoptosis: implications in neural system pathophysiology'

Dr Nicolas Bazan, Louisiana University Neuroscience Centre, New Orleans USA

9.45-10.15am 'Which signals mediate the stress response in different cell systems?'

Dr MT Rizzo, Signal Transduction Laboratory Indianapolis USA

10.15-10.45am 'Targeting the brain with DHA-containing phospholipids'

Prof M Lagarde, Inserm /Régulations Métaboliques, Villeurbanne, France

10.45-11.00am Coffee

11.00-11.30am 'Lipids lipids, mitochondria and cell death: implications in neuro-oncology'

Dr Alison Colquhoun, Department of Cell & Developmental Biology, Sao Paulo, Brazil

11.30-12.00am General discussion, starting with the question:

'What are the active mediators of the resolution phase of inflammatory processes, their effects on cell death in neuronal cell systems'

Prof Anna Nicolaou, Bradford, UK

Satellite Meeting on Cell Death

Friday 10th – Saturday 11th July 2009

Current Opinions in Cell Death Signalling

Outline Programme

This session will update current opinions on cell death signalling, introduced by a pioneer of apoptosis research, Professor Andrew Wyllie. Lectures will present differing opinions on initiation and progression of apoptotic and necrotic pathways of cell death

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Chair *Prof Ian R Whittle (Department of Clinical Neurosciences, University of Edinburgh UK) & Dr Dino Rotondo (Strathclyde Institute of Pharmacy & Biomedical Science, Glasgow UK)*

2.00 - 2.10pm chair welcome

2.10-2.50pm **Keynote lecture**

The Promyelocytic Leukemia (PML) nuclear body in stress responses and the coupling of the stress response to apoptosis
Prof Andrew H Wyllie (Department of Pathology, University of Cambridge UK)

3.00- 3.40pm Role of the insulin receptor in neuroprotection of photoreceptor cells from stress-induced degeneration
Dr Robert Eugene Anderson, Departments of Ophthalmology and Cell Biology (University of Oklahoma, USA)

3.50- 4.10pm **Break**

4.10- 4.40pm Stress responses and degenerative change in glioma and platelets: intracellular signals and cellular interactions
Dr H Anne Leaver (Scottish Blood Transfusion & Department of Clinical Neuroscience, Edinburgh UK)

Current Opinions in Cell Death Signalling

Saturday 11th July 2009

- Chair** *Dr Nicolas Bazan (Louisiana University Neuroscience Centre, New Orleans USA) & Dr Maria T Rizzo (Signal Transduction Laboratory Indianapolis USA)*
- 9.30- 10.10am **Immunosuppressive effect of apoptotic cells -a mechanistic insight**
Dr S Brown (Centre for Inflammation Research, University of Edinburgh)
- 10.20- 11.00am **Signalling and Axonal Transport in Neurodegeneration**
Dr Scott Brady (Department of Anatomy & Cell Biology, University of Illinois, Chicago, USA)
- 11.10- 11.40am **Regulation of pro-survival and pro-death pathways by neuronal calcium signaling**
Dr Giles Hardingham (Centre for Neuroscience Research, University of Edinburgh UK)
- 11.40am - 12.00 noon **General discussion**

Further information is available from: www.bps.ac.uk and Dr H Anne Leaver, Cell Biology Laboratory, 21 Ellen's Glen Road, Edinburgh EH17 7QT, tel: 0131 536 6783 e-mail: hanne.leaver@googlemail.com or anne.leaver@snbts.csa.scot.nhs.uk Fax 0131 536 6761
Treasurer: Dr D Rotondo Strathclyde Institute of Pharmacy & Biomedical Sciences 27 Taylor Street Glasgow G4 0NR Phone: 0141 548 3629 e-mail:-d.rotondo@strath.ac.uk

Satellite registration: d.rotondo@strath.ac.uk £30 for the satellite meeting, early registration is recommended, as numbers for this workshop are restricted and registration will be on a first come, first served basis.