

FINAL PROGRAM

2nd UK NO Forum

11th December 2001

AstraZeneca R&D Charnwood, Loughborough

- 8:00-9:30 Arrival & poster setup
9:30 Introduction
- 9:45 **Nitric oxide in pathology** (Chair Richard Knowles)
9:45 **Peter Brennan & John Bowden** (*Southampton/ Poole*)
 Expression of iNOS in head and neck cancer and its implications
10:15 **Sylvia Low** (*Royal Free & University College, London*)
 Abnormal metabolism of NO in patients with Raynaud's phenomenon and
 systemic sclerosis
10:30 **Ray Carson** (*Coventry*)
 The expression of iNOS and its control in human intrauterine tissues at
 term
10:45 **Stephen Clark** (*Cardiff*)
 NADPH oxidase dependent NO consumption by activated neutrophils
 attenuates cGMP synthesis; Studies on MPO-deficient and CGD patients
11:00 **Gillian Gray** (*Edinburgh*)
 DDAH-II is co-expressed with iNOS in cardiac tissue undergoing remodelling
 following myocardial infarction
11:30 **Louise Donnelly** (*NHLI, London*)
 Expression and regulation of NOS-2 in primary human airway epithelial cells
- 11:45-12:00 Coffee/Tea
- 12:00 Nitric oxide and NO donors** (Chair Keith Sillar)
12:00 **Justin Doel** (*Barts and The London*)
 Antimicrobial effect of NO on oral bacteria; a protective role for nitrate
 reductase
12:15 **Vilma Borutaite** (*Cambridge*)
 S-nitrosothiols are potent cellular toxins via mitochondrial permeability
 transition, cytochrome c release and energy depletion
12:30 **Emma Taylor** (*Edinburgh*)
 Dissociation of DNA fragmentation from other hallmarks of apoptosis in nitric
 oxide-treated neutrophils
12:45 **Mark Miller** (*Edinburgh*)
 A novel S-nitrosothiol inhibits platelet adhesion in rabbit carotid arteries
 following angioplasty *in vivo*
- 13:00-14:30 Buffet lunch & posters

- 14:30 Detection of NO and related species** (Chair Alan Wallace)
- 14:30 **Sergei Kharatinov** (*NHLI, London*)
Routine exhaled NO measurements in clinical practice
- 15:00 **Nandor Marczin** (*Harefield*)
Exhaled NO and lung injury in human lung ischaemia reperfusion
- 15:15 **David Crowther** (*Sheffield*)
Nitrate and nitrite determination with $^{14}\text{N}/^{15}\text{N}$ for discrimination labelling studies
- 15:30 **Kevin Moore** (*Royal Free Ca pus, UCL*)
Assessing formation of reactive nitrogen species in biological systems
- 15:45-16:00 Tea/Coffee
- 16:00 NO synthases** (Chair Chris Cooper)
- 16:00 **Nigel Scrutton** (*Leicester*)
Re-evaluation of the kinetic mechanism of nNOS
- 16:15 **Claire Sears** (*Oxford*)
A cardiac neuronal NO synthase isoforms regulates contraction and calcium cycling in murine ventricular myocytes
- 16:30 **Sean Murphy** (*Nottingham*)
Transcriptional regulation of NOS-2 gene expression by progesterone
- 16:45 **Brendan Whittle** (*William Harvey Inst, London*)
Interactions between HO-1, iNOS and NO in gut epithelial cells
- 17:00 **Steve Evans** (*GSK, Stevenage*)
Role of iNOS in a novel model of the systemic inflammatory response following indomethacin-induced enteropathy
- 17:15 **Nigel Boughton-Smith** (*AstraZeneca, Loughborough*)
Pharmacological activities of novel iNOS inhibitors in inflammatory models
- 17:30 Meeting closes