

# NO News is Good News

## Detection, measurements and quantification of Nitric Oxide: Tools for NO research

23<sup>rd</sup> March 2007, BioPark Hertfordshire

- 09:00 – 09:45 **Registration - Tea/Coffee**
- 09:45 – 10:00 **Introduction by the chair**  
*Dr Nicholas Warrick – University of Oxford*
- 10:00 – 10:30 **Fluorescence based methods for the measurement of intracellular nitric oxide.**  
*Prof. David Russell, University of East Anglia, UK*
- 10:30 – 11:00 **Quantification of Blood and Tissue NO Metabolites by Gas Phase Chemiluminescence: A Guide to NO Man's Land**  
*Dr. Alexandra Milsom, Wales Heart Research Institute, University of Cardiff, UK*
- 11:00 – 11:25 **Morning Tea/Coffee and view posters**
- 11:25 – 11:55 **Radiochemical HPLC measurement of nitric oxide synthesis (NOS) activity in vascular tissue**  
*Dr Nicholas Warrick – University of Oxford*
- 11:55 – 12:25 **EPR-based measurement of reactive nitrogen intermediates in human inflammatory diseases**  
*Prof. Paul Winyard, Peninsula Medical School, Universities of Exeter and Plymouth, UK*
- 12:25 – 12:55 **Nitric Oxide Sensors and Their Biomedical Applications**  
*Dr. Xueji Zhang, World Precision Instruments Inc, Sarasota, Florida, USA*
- 12:55 – 13:10 **Tour of the BioPark**
- 13:10 - 14:05 **Lunch and Poster session**
- 14:05 – 14:35 **Understanding nitric oxide synthase inhibition: potency, selectivity and implications for their pharmacology.**  
*Dr. Alan Wallace, AstraZeneca, UK*
- 14:35 – 15:05 **Endogenously occurring inhibitors of nitric oxide synthase**  
*Dr Caroline Smith, University of Westminster, UK.*
- 15:05 – 15:30 **Afternoon Tea/Coffee and last poster viewing**
- 15:30 – 16:00 **Evaluating endothelial function in humans: From bench to bedside**  
*Dr. Charalambos Antoniades, Athens, Greece*
- 16:00 – 16:15 **Nitric Oxide Synthase Inhibition and Renal Injury**  
*Prof Sharma Prabhakar, Texas Tech University Health Sciences Center Lubbock, TX, USA*
- 16:15 – 16:30 **Quantification of enzyme independent stores of nitric oxide in human skin**  
*Dr Megan Mowbray, The University of Edinburgh, Scotland*
- 16:30 – 17:00 **Chairman's summing up & close.**
- 17:15 – 17:35 **\*2nd Tour of the BioPark for delegates**