

“LUNGS” – MORE THAN AN ORGAN OF GAS EXCHANGE

Joint Meeting organised by the Physiological Society and the British Pharmacological Society
London, UK | 21 – 22 November 2022

Chairs: Professor David Paterson, University of Oxford, UK and Professor Clive Page, King's College London, UK

Monday 21 November

09:30 Registration

AIRWAY NERVES

Chairs: TBC

10:00 An overview of lung Innervation: Complex physiology ripe for pharmacological intervention
Professor Brendan Canning, Johns Hopkins University, Baltimore, USA

10:30 Novel targets on sensory nerves for reducing airway irritability
Professor Maria Belvisi, AstraZeneca/Imperial College London, UK

11:00 Understanding cough through physiology and pharmacology
Professor Jacky Smith, University of Manchester, UK

11:30 Unravelling vagal hypersensitivity
Professor Alyn Morice, University of Hull, UK

12:00 Lunch

ORAL COMMUNICATIONS

Chairs: TBC

13:00 OC01

13:15 OC02

13:30 OC03

13:45 OC04

14:00 OC05

14:15 OC06

14:30 Break

LUNG VASCULATURE

Chairs: TBC

15:00 Live-imaging lymphatics and cuff spaces in acute lung inflammation
Dr Simon Cleary, UCSF, San Francisco, USA

- 15:30 Platelet/Leukocyte/endothelial cell interactions in the lung vasculature
Dr Elizabeth Middleton , University of Utah, Salt Lake City, USA
- 16:00 Bronchial mucosal microcirculation: The neglected player in airways defense and epithelial regeneration
Professor Carl Persson, University of Lund, Sweden
- 16:30 Lung vascular responses to mechanical stress: A tale of (over)ventilation, cardiogenic edema, and pulmonary hypertension
Professor Wolfgang Kübler, Charité – Universitätsmedizin Berlin, Germany
- 17:00 Posters
- 18:30 End of day one

Tuesday 22 November

- 09:30 Morning coffee

RESPIRATORY EPITHELIUM/AIRWAY SMOOTH MUSCLE/INFLAMMATORY CELLS

Chairs: TBC

- 10:00 Enhancing epithelial barrier integrity as a novel approach to treating inflammatory lung diseases
Professor Thorannin Gudjonsson, University of Iceland, Reykjavik, Iceland
- 10:30 Regulation of airway smooth muscle tone
Professor Mario Cazzola, Tor Vergata University, Rome, Italy
- 11:00 Allergens and calcium signalling in the airways
Professor Anant Parekh, FRS, University of Oxford/NIH
- 11:30 Break
- 12:00 The alveolar glycocalyx as an important defence against viral infection
Professor Eric Schmidt, Massachusetts General Hospital, Boston, USA
- 12:30 The lung as a portal for drug delivery
Professor Lea Ann Dailey, University of Vienna, Austria
- 13:00 End of meeting