

Artificial Intelligence and Robotics for Lung Disease 2027

Thursday 15th April 2027

Venue: The Royal College of Physicians, 11 St Andrews Place, London, NW1 4LE

Time	Session
08:15 - 08:50	Registration and refreshments
08:50 - 09:00	Welcome <i>Prof Pallav Shah, Professor of Respiratory Medicine, Imperial College London and Consultant Physician, Royal Brompton Hospital & Dr Christopher Orton, Consultant Respiratory Physician, Royal Brompton Hospital, London</i>
09:00 - 09:15	Lung Cancer Screening: Implementation and 5-year results <i>Dr Richard Lee, Consultant Respiratory Physician, Royal Marsden Hospital, London</i>
09:15 - 09:30	AI solutions for pulmonary nodules <i>Dr Arjun Nair, Consultant Radiologist, University College London, London</i>
09:30 - 09:45	The need for human decision making in nodule assessments <i>Dr Emily Bartlett, Consultant Radiologist, Royal Brompton Hospital, London</i>
09:45 - 10:00	A global perspective on AI for thoracic oncology <i>Dr Colin Jacobs, Associate Professor in AI for Thoracic Oncology, Radboud University Medical Center, Nijmegen</i>
10:10 - 10:15	Panel Discussion
10:15 - 10:30	The LUNA25 Challenge and interactive session <i>Mr Bogdan Obreja, PhD candidate, Radboud University Medical Center, Nijmegen, Netherlands</i>
10:30 - 11:00	Break
11:00 - 11:15	Why robotic navigation bronchoscopy? <i>Dr Christopher Orton, Consultant Respiratory Physician, Royal Brompton Hospital, London</i>
11:15 - 11:30	The value of adjunctive imaging: Cone beam CT and radial EBUS <i>Dr Rocco Trissolini, Consultant Respiratory Physician, Division of the Catholic University of the Sacred Heart at Fondazione Policlinico Universitario A. Gemelli IRCCS, Rome</i>
11:30 - 11:45	Maximising biopsy yield: Cryobiopsy and Rapid On-Site Evaluation (ROSE) <i>Dr Juliana Guarize Consultant Respiratory Physician, Istituto Europeo di Oncologia, Milan</i>
11:45 - 12:00	Anaesthetic paradigms in robotic bronchoscopy <i>Dr Olivier Debrett, Consultant Anaesthetist, University College London, London</i>
12:00 - 12:15	Panel discussion
12:15 - 13:15	Lunch
13:15 - 13:45	Diagnostic MDT panel discussion
13:45 - 14:00	What does the robot bring to the operative table? <i>Mr Simon Jordon, Consultant Thoracic Surgeon, Royal Brompton Hospital, London</i>
14:00 - 14:15	Robotic surgery for small targets <i>Prof Andrea Bille, Consultant Thoracic Surgeon, Guys and St Thomas', London</i>
14:15 - 14:30	Robotic assisted endoluminal ablation for small targets <i>Prof Pallav Shah, Professor of Respiratory Medicine, Imperial College London and Consultant Physician, Royal Brompton Hospital, London</i>
14:30 - 14:45	AI and Stereotactic Ablative Body Radiotherapy (SABR) for early-stage lung cancer <i>Dr Kathryn Banfill, Consultant Clinical Oncologist, The Christie, Manchester</i>
14:45 - 15:00	Panel discussion
15:00 - 15:30	Break
15:30 - 15:45	Injectables and future perspectives <i>Prof Scott Oh, University of California, Los Angeles</i>
15:45 - 16:00	Pathology: Living off scraps & steering the ship <i>Dr Dennis Zhang, Consultant Histopathologist, Royal Brompton Hospital, London</i>
16:00 - 16:30	Therapeutic MDT panel discussion
16:30 - 16:45	Open forum
16:45 - 16:50	Feedback and close
16:50	Close of Event