CADDA
Centre for Advanced Diagnostics Development and Application

Optics and Photonics for Healthcare Diagnostics

Tuesday 10th March 2025 **Sibson Building, University of Kent**

10:00 - 10:30	**Arrival and Registration, Tea and Coffee**
10:30 - 10:40	***Welcome and Introduction to CADDA*** **David Wilkinson** Pro Vice Chancellor - Director of Human & Social Sciences
10:40 – 10:50	***Overview of biomedical optics and modern photonics: 30 years of contributions at Kent*** **Prof Adrian Podoleanu**, University of Kent
Session 1	
10:50 - 11:20	***Optical spectroscopy for label free surgical diagnostics*** **Prof Daniel Elson,** Imperial College London
11:20 - 11:50	***The NHS 10 Year Health Plan - Developing Optical Diagnostics "Fit for the Future"*** **Prof Taran Tatla,** London North West Hospitals NHS Trust
11:50 - 12:00	***AOG Talk: Imaging through fibres: endoscopic and miniaturised imaging for minimally invasive diagnosis*** **Dr Michael Hughes**, University of Kent
12:00 – 12:45 **Lunch**	

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Session 2	
12:45 – 13:15	***Title TBC*** **Prof Igor Meglinski,** Aston University
13:15 – 13:45	***Transcutaneous fluorescence sensing for non-invasive assessment of gut function*** **Dr Alex Thompson,** Imperial College London
13:45 – 13:55	***AOG Talk: Synergistic optical biopsy: fusing structural optical coherence tomography with functional optoacoustics*** **Dr Adrian Bradu**, University of Kent
13:55 – 14:05	***AOG Talk: Biomedical optics for robotic surgery*** **Dr Manuel Marques**, University of Kent
14:05 – 14:30 **Tea and Coffee**	
14:30 - 14:45	**Unlocking Point-of-Care Diagnostics: Harnessing Optics for Real-time Data** **Neciah Dorh, CEO of Fluoretiq**
14:45 - 15:20	**Industry and Translation Panel Session**
Session 3	
15:20 - 15:50	***Functional retinal imaging with optoretinography*** **Prof Marinko Sarunic,** Institute of Ophthalmology, University College London
15:50 - 16:20	***Light for Fabrication, Sensing, and Micro-manipulation*** **Dr Jang Ah Kim,** Imperial College London
16:20 - 16:30	**Closing remarks**
16:30 - 17:00	**Facilitated Networking Session / Tea and Coffee**
17:00 - 18.00	**Optional Visits to Optics Lab**

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