Session Program

7–11 Dec 2026



26th Australian Institute of Physics Congress and the Australian and New Zealand Conference on Optics and Photonics

ANZCOP: Optical Spectroscopy & Molecular Sensing

The University of Sydney , Belinda Hutchinson Building
Abercrombie St & Codrington St NSW 2008

Monday 7 December

15:45

ANZCOP: Optical Spectroscopy & Molecular Sensing

Session |
Location: The University of Sydney , Belinda Hutchinson Building, Abercrombie St & Codrington St NSW 2008 |
Convener: Irina Kabakova

15:45–16:15

Quantitative imaging of DNA target search inside the nucleus of a living cell

Speaker
Prof. Elizabeth Hinde

16:15–16:30

Loss-tolerant high-gain quantum imaging with undetected photons

Speaker
JINGRUI ZHANG

16:30–16:45

Label-free 3D microscopy of fast biological cell dynamics via interferometric multiplexing

Speaker
Natan T. Shaked

16:45–17:00

Improving classification of embryo for in-vitro fertilization: A study of laser-induced nanostructure wettability and cell adhesion for surface enhanced Raman spectroscopy

Speaker
Simon Barter

17:00–17:15

Laser Modification of a-C:N:H Films Towards Enhanced In-vitro Cell Culture Platforms

Speaker
Sophie Cottam

17:15