

4th ANNUAL FABLS WORKSHOP

21-22 February 2008

Building 80, IMB Auditorium
University of Queensland

Thursday, February 21st 2008

8:00 - 9:00am	Registration(Building 80, IMB Auditorium Foyer)	
9:00 - 9:15	Welcome	
9:15 - 10:00	Nanotechnology in early disease detection & diagnostics	Prof. Matt Trau (IMB, University of Queensland)
10:00 - 10:45	Quantitative imaging of organelles in living cells	Prof. Jenny Stow (IMB, University of Queensland)
10:45 - 11:15	Coffee Break	IMB Foyer
11:15 - 12:00	Time-Resolved Confocal Fluorescence Microscopy: Novel Technical Features and Applications for FLIM & FCS	Dr. Volker Buschmann (Scientific Development, PicoQuant GmbH)
12:00 - 12:45	Single photon fluorescence in diamond nanocrystals	Dr. James Rabeau (Physics, Macquarie University)
12:45 - 2:15	Lunch	IMB Foyer
2:15 - 3:45	FABLS Annual General Meeting 2008	
3:45 - 6:00	Poster Session / Networking	
7:00pm	FABLS Dinner (Members to cover own cost)	RSVP required by 14th Feb.

Friday, February 22nd 2008

9:15 - 10:00am	Laser Microbeams in the study of cellular mechanics, cell energetics and mechano-signalling	A.Prof. Elliot Botvinick (Beckman Laser Institute, USA)
10:00 - 10:45	Using Fluorescence microscopy to characterise the spatio-temporal regulation of cadherin-cytoskeletal interactions	A.Prof. Alpha Yap (IMB, University of Queensland)
10:45 - 11:15	Coffee Break	IMB Foyer
11:15 - 12:00	Luminescent energy transfer immunoassays for the rapid and sensitive detection of analyte in complex matrices	Dr. Peter Banks (PerkinElmer Pty Ltd)
12:00 - 12:45	Dimers are forever: New developments in the mechanism of the Na ⁺ , K ⁺ -ATPase	Dr. Ron Clarke (Chemistry, University of Sydney)
12:45pm	Closing remarks & Lunch	