LA TROBE INSTITUTE FOR MOLECULAR SCIENCE

ARC Centre of Excellence for COHERENT X-RAY SCIENCE

Andrew Peele and Leann Tilley (under auspices of CXS) invite you to attend an

X-ray Microscopy Workshop

The workshop will focus on x-ray microscopy and related techniques, with particular emphasis on cellular and sub-cellular imaging. The workshop will feature in depth analysis of the development of the field as a basis for discussing recent advances and future directions. A feature of the workshop will be some introductory historical/tutorial talks and extensive discussion time.

Date: **Friday 19th February 2010**

Time: **10 am to 5 pm**

Venue: **Molecular Sciences Seminar Room**
Building PS4 – 3rd Floor – Room 351
La Trobe University - Bundoora
(See website: Bundoora Site Map)

Programme

10.00	Introduction	**Leann Tilley**	La Trobe University
10.15	Scanning x-ray microscopy: past, present, and future	**Chris Jacobsen**	Stony Brook University
10.55	High throughput, high content soft X-ray nanotomography	**Carolyn Larabell**	University of California
11.35	New tools for correlated fluorescence and x-ray tomography	**Mark LeGros**	Lawrence Berkeley National Laboratory
12.05	*Lunch*		
1.05	The X-ray Fluorescence Microprobe at the Australian Synchrotron: present status and future directions	**Martin de Jonge**	Australian Synchrotron
1.45	Combined-, correlative- & integrated microscopy: structural and molecular biology at the crossroads	**Filip Braet**	University of Sydney
2.25	*Afternoon tea*		
2.50	Complementary X-ray, Vibrational Spectroscopic, and Fluorescence Imaging in Cells and Tissues	**Peter Lay**	University of Sydney
3.30	X-ray tomography, insights into *Plasmodium* development	**Eric Hanssen**	Bio21, Melbourne University
4.10	Understanding Metal Ion Homeostasis in Protein Folding Diseases using X-Ray Fluorescence Microscopy	**Lisa Miller**	Brookhaven's National Synchrotron Light Source
4.50	Conclusion	**Andrew Peele**	La Trobe University

For further information, please contact Fabienne Perani on: 03 9479 3231 or f.perani@latrobe.edu.au