

Development in coherent x-ray science

La Trobe University is one of a number of Australian and overseas universities and other organisations sharing a \$9 million ARC grant over five years to develop a Centre of Excellence in Coherent X-ray Science.

The Centre's director will be Professor Keith Nugent, Federation Fellow in Physics at the University of Melbourne, and its deputy director will be Professor Leann Tilley of La Trobe University's Department of Biochemistry.

Professor Leann Tilley noted that "the ARC Centre of Excellence in Coherent X-ray Science will bring physicists, chemists and biologists together to develop fundamentally new approaches to probing biological structures and processes.

"It combines world-class expertise in imaging, structural biology, laser science and molecular theory. The project will develop



novel high-resolution imaging and probing using the Australian Synchrotron, and ultimately x-ray lasers.

"An overarching scientific aim of the centre is the determination of the structure of membrane proteins," Professor Tilley said.