The meetings of Biology and Synchrotron Radiation (BSR) and Medical Applications of Synchrotron Radiation (MASR)

15th-18th February 2010 **Melbourne Convention and Exhibition Centre, Australia**

Key dates:

BioXAS Study Meeting
14-15 February 2010
A meeting to discuss the latest developments in X-ray Absorption Spectroscopy techniques as applied to biological systems

Clinical Applications of Synchrotron Radiation (CASR) Satellite
20th February 2010
A forum to bring together clinicians with scientific researchers and technical experts to turn medical imaging and therapy at synchrotron facilities into a clinical reality.

The BSR and MASR meetings are pleased to announce that the joint opening plenary presentation will be given by Prof Ada Yonath of the Weizmann Institute, Israel.

Prof Yonath shares this year's Nobel Prize in Chemistry with Venkatraman Ramakrishnan and Thomas Steitz for their work on the structure and function of ribosome, a component of the cell that translates genetic information and synthesizes protein.

We are delighted to welcome Prof Yonath to Australia so soon after the award of the prize.

BSR session themes:

- Biomaterials
- Drug discovery and design
- Infrared Spectroscopy
- Membrane proteins
- New techniques, instrumentation and sources
- Protein structure and function
- Radiation damage
- Small angle x-ray scattering and Circular Dichroism
- X-ray absorption spectroscopy
- X-ray micro/nanoprobe and imaging

MASR session themes:

- Dynamic, Functional and Static X-ray Imaging
  - Technique developments / New methods
  - Facility Updates
  - Imaging Pathological and Physiological States
- Dosimetry and Radiation Biology
- Oncology
  - Therapeutic techniques
  - Pre-clinical studies
  - Future medical applications

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This activity has been approved by the Royal Australasian College of Surgeons and the Australasian College of Physical Scientists & Engineers in Medicine for Continuing Professional Development credits.

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www.masr2010.org or www.bsr2010.org