

AstroMed09

The background of the slide is a dark, grainy astronomical image, possibly a star field or a nebula, with a grid of white lines overlaid on it. A prominent bright, multi-colored (red, orange, yellow, green) feature is visible in the center-right. At the bottom of the slide, there is a decorative, stylized scroll or flourish in a dark color.

The Inaugural Sydney International Workshop
on Synergies in Astronomy and Medicine

14–16 December, 2009
The University of Sydney



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Astronomy and Medicine share many similar demands for increasingly sophisticated and diverse imaging techniques as well as associated cutting-edge instrumentation technologies and advanced software tools for multi-dimensional data storage, manipulation and processing.

This workshop will provide an international forum for exploring and consolidating these synergies, exchanging ideas and identifying opportunities for knowledge and technology transfer across the two disciplines and to industry. Hosted by several of Australia's most prominent researchers, the workshop will include high-profile international speakers from the US and Europe, where similar multidisciplinary initiatives have already been successfully established.

For more information and registration details visit:
www.physics.usyd.edu.au/astromed09

Topics covered:

Imaging:

3D reconstruction
multi-modality co-registration

Instrumentation:

new detector technologies
astro-photonics

Data:

visualization, acquisition
multi-dimensional handling techniques

Scientific Organising Committee:

A/Prof Dale Bailey
Prof Clive Baldock
Prof Joss Bland-Hawthorn
Dr Roger Fulton
Prof Bryan Gaensler
Dr Zdenka Kuncic (convenor)
Prof Geraint Lewis
Prof Steven Meikle

