



**Allan S Jones** has been with the Electron Microscope Unit for 10 years, initially as a teaching fellow and later as a Senior Lecturer. Prior to joining the EMU Allan was Fellow at the Institute for Respiratory Medicine and spent 15 years as a Hospital Scientist specialising in cell biology.

Allan's current projects at the EMU are in mineralogy, inner ear anatomy and cochlear implants, respiratory medicine and palaeobiology.

## 3D X-ray: Microscopic Wonder

Dr Allan S Jones, Australian Microscopy and Microanalysis Research Facility

Microscopes are getting more sophisticated at looking at matter through time. Leading edge microscopy technology allows us to look inside objects and construct 3D visualisations of microscopic details. Allan Jones will show you how these visualisations can be made into movies that are both scientifically rich and visually compelling.

Using techniques from animation, photography and microscopy Allan will take you on a magical journey in 3D. A fun and beautiful presentation for all ages.

### Celebrating National Science Week.

#### Free entry

Sunday 16 August, 1pm

Macleay Museum (Gosper Lane off Science Road)

RSVP [macleaymuseum@usyd.edu.au](mailto:macleaymuseum@usyd.edu.au) or 9036 5253

Above: X-ray Micro-tomography image of 3D reconstruction of the roots and root canal of a human molar.

Right: High resolution X-ray Micro-tomography image of human trabecular bone of an older person showing typical rod like appearance.

X-ray Micro-tomography image of a mouse skull showing the cochlear and boney labyrinth of the inner ear.

