

# AIP Laboratory Tour

## Imaging and Medical Therapy Beamline, Australian Synchrotron



Amongst the world's synchrotron light source laboratories there are only a few examples of a dedicated beamline working in the field of medical radiography and radiotherapy research. The Imaging and Medical beam line (IMBL) at the Australian Synchrotron is just such a purpose built facility. IMBL has three radiation enclosures for experiments. Together these host a wide range of studies, from broad bandwidth fine structured beam radio-biology projects, to monochromatic (narrow bandwidth) computed tomography, large animal pre-clinical and eventually clinical human x-ray imaging. The latter will be enabled with a new Patient Positioning System (PPS) installed and commissioned in early 2017.

### Tour Details

**Where** : Australian Synchrotron, 800 Blackburn Road, Clayton

**When**: Monday July 3<sup>rd</sup>, 6:30 ~ 8:30pm

**Format**: ~1 hour of presentations by IMBL scientists, followed by an exciting ~1 hour tour of the IMBL beamline and experimental facilities

### Visit Schedule:

5:30pm – 6:30pm: Visitor sign in.

6:30 ~ 7:30pm: Presentations from IMBL scientists and users

- Dr Chris Hall (IMBL Senior Scientist) "Introduction to the IMBL at the Australian Synchrotron"
- Dr Marcus Kitchen (ARC Future Fellow, Monash University) "X-ray computed tomography with dose reduction factors in the thousands"

7:30pm ~ 8:30pm : Tour of IMBL beamline

**Registration**: Registration is essential as places are limited to 45 attendees.

To registration and location details, please access the following link:

<https://goo.gl/forms/YoOpBFCdXwzj6MFV2>

