



Would you like to learn X-ray angiography in small animals? Are you interested in seeing microvasculature features down to 30µm?



Mouse lung angiography with iodine contrast agent on the IMBL, 2015
James Pearson and Claudia Nold, Hudson Institute of Medical Research

Training in micro angiography / cardiovascular imaging

The Australian Synchrotron Imaging and Medical Beamline allows you to perform *in vivo* imaging of lungs, liver, kidneys, heart, brain and generally cardiovascular systems in small and large animals **with a feature resolution down to 30µm**.

From the **13th to the 19th of September 2016** we offer training for interested scientists whose research would benefit from using the new tools we offer. ***This training is FREE.*** You cover your travel costs and we house you in our guesthouse.

For questions and signing up, please contact daniel.hausermann@synchrotron.org.au



Rabbit pup brain vasculature, 2015,
James Pearson et al.



You will join a team of experts led by Prof James Pearson, Director of the Department of Cardiac Physiology of the National Cerebral and Cardiovascular Centre in Osaka. This team has 14 years of experience in small animal micro angiography#. You will perform arterial imaging and compare the suitability of 6 different anesthesia regimes for imaging blood flow in the brain, heart, lung, kidney and hind limbs. The study uses rats and mice and a simple protocol for assessing endothelial function. 2 or 3 days of intensive experiments will be sufficient to learn the basics and discuss individual interests. This will enable you to become users of the Australian Synchrotron to advance your research in your fields of expertise.

ACCESS TO X-RAY BEAMTIME AT THE AUSTRALIAN SYNCHROTRON IS FREE

General reference: *Circ Res.* 2013;112:209-221