



# INNOVATIVE ISOTOPE BIOCHEMISTRY AND ELEMENTAL MAPPING IN BIOMEDICAL RESEARCH

THE WOLLONGONG ISOTOPE GEOCHRONOLOGY LABORATORY (WITH SUPPORT FROM SMAH & GEOQUEST) IS ORGANISING A CONFERENCE/WORKSHOP ON INNOVATIVE ISOTOPE BIOCHEMISTRY AND ELEMENTAL MAPPING IN BIOMEDICAL RESEARCH

Over recent years, new tools have emerged that can revolutionize our understanding of the role of metals in a range of pathologies (in particular neuro-degenerative diseases). For instance, naturally-occurring copper isotopes in blood have been suggested as a diagnostic tool for breast and colorectal cancers. Moreover, laser ablation ICPMS has been developed to produce 3D maps of metal distribution in tissues (e.g. mouse brain).

This event will gather world-leaders in these new disciplines and provide an opportunity to discuss opportunities for biomedical research applications at UOW.

**Date/Time:** Thursday 10 December from 9:00am

**Venue:** Building 43, Room G02 (Sciences Teaching Facility)

**RSVP:** to Dr Anthony Dosseto via [tonyd@uow.edu.au](mailto:tonyd@uow.edu.au)

Short seminars will take place in the morning, followed by a round-table discussion in the afternoon.

## SPEAKERS:

Prof. Vincent Balter (ENS Lyon, France)

Prof. Philip Doble (UTS)

Mr T. Gabriel Enge (SEES, UOW)

A/Prof. Dianne Jolley (Chem, UOW)

A/Prof. Heath Ecroyd (IHMRI/Bio, UOW)

Dr Justin Yerbury (IHMRI/Bio, UOW)

Dr Lezanne Ooi (IHMRI/Bio, UOW)

Prof. Brett Garner (IHMRI/Bio, UOW)

Detailed program to follow.

<http://smah.uow.edu.au/sees/WIGL>

#ThisIsUOW

UOW CRICOS Provider No: 00102E

UNIVERSITY OF  
WOLLONGONG  
AUSTRALIA

