

Two PhD positions are now available in the groups of Associate Professor Haibo Yu and Dr Richmond Lee at the School of Chemistry and Molecular Bioscience, University of Wollongong, Australia.

We are interested in developing and applying computational modelling to study complex molecular systems. Potential research projects include:

1. Understand the chemical reactivity of the catalytic reactions and design novel catalysts.
2. Understand the biomolecular recognition processes and computer-aided inhibitor design.

Both projects are carried out in close collaboration with experimental experts.

Eligibility Criteria:

1. Required qualifications: Masters by Research (international) or Honours Class 2(I) or above (domestic) in Chemistry, Biophysics, or a related field.
2. Preferred qualifications (optional): Experience in computational chemistry and molecular simulations; Coursework in physical chemistry and statistical mechanics; Experience with Linux/Unix and HPC.
3. IELTS or TOEFL if applicable;
see <https://coursefinder.uow.edu.au/information/index.html?course=doctor-philosophy-science>

Stipend: \$28,854 per year (non-taxable, 2022 rate); Top-ups are available for exceptional PhD applicants.

Award Duration: Three (3) years full-time with a possible extension of 6 months in exceptional circumstances.

Application Procedure:

Interested applicants should send an email expressing interest to A/Prof Haibo Yu (hyu@uow.edu.au) and Dr Richmond Lee (richmond_lee@uow.edu.au) along with:

- A cover letter or statement articulating why you would like to do a PhD with us (max 1 page),
- CV (max 2 pages),
- Transcripts,
- IELTS or TOEFL, if applicable,
- contact details for 2-3 references.

Expected starting dates: 18 Jul 2022 or 21 Feb 2023