

# WESTERN SYDNEY UNIVERSITY



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Nanoscale Organisation  
and Dynamics Group

## Using a multi-pronged approach to developing antimicrobials

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### Abstract

Given the increasing incidence of drug-resistant infections, antimicrobials that employ new strategies are urgently needed. In this presentation, I will showcase two examples of how we have used NMR spectroscopy in combination with other biophysical techniques as well as molecular docking to ultimately develop lead molecules for broad- and narrow-spectrum antimicrobials.

### Profile

Ann graduated with a PhD in biochemistry from the University of Sydney in 2005. Following her PhD, she worked in Prof Mingjie Zhang's laboratory at the Hong Kong University of Science and Technology and in Prof Jacqui Matthews' laboratory at the University of Sydney as a postdoctoral research associate. In 2006, Ann was awarded the Australian Postdoctoral Fellowship from the ARC which has allowed her to embark on an independent research career. She has been awarded four younger investigator awards (including the ANZMAG and ISMAR Young Investigator Medal/Award) for her work in this period. In 2009–11, she took up the position of Biomolecular NMR Facility Manager at the University and oversaw the establishment of the 800 MHz NMR facility, the highest field NMR facility in NSW at the time. In 2012, she has decided to go back to academia and has since been appointed as a (Senior) Research Fellow. As of Dec 2019, she has published 4 book chapters and over 70 papers and has an H-index of 24.

**Staff and students at all levels are welcome to attend.**

### Venue and Time:

This talk will be held on Friday 5<sup>th</sup> June at 2 pm via **Zoom: <https://uws.zoom.us/j/97308304653>**

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