

WESTERN SYDNEY UNIVERSITY



Nanoscale Organisation and Dynamics Group

Social State NMR: New 'Spice' on the Horizon

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Abstract

NMR spectroscopy has been well established as a technique for understanding behaviour in solution and in the solid state. But can it also be used as a way of measuring phenomena in the social arena? In this presentation, I will highlight how solution state NMR spectroscopy can be used to quantify small but potent organic substances with qNMR, an analytical tool that is gaining prominence, and touch on some of their closely related associated social phenomena.

Profile

Dr James Hook graduated from the ANU, with a PhD in the synthesis of plant growth regulators, the gibberellins. After a post-doc in Cambridge focussing on the biosynthesis of vitamin B₁₂, the fascination with NMR for exploring structures and dynamics took hold. In over one hundred publications since then this preoccupation has been explored covering materials analysis – agrichemicals, natural products, fuels, medicines and drugs etc - in the solid and solution state. He is currently leading the team of the NMR Facility and Spectroscopy Lab at the University of New South Wales, serving the University in needs spectroscopic.

Staff and students at all levels are welcome to attend.

Venue and Time:

This talk will be held on Thursday 10 November at 2 pm at the Campbelltown Campus in Building 30, Lecture Theatre CA.30.G.213.

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