

Welcome



Welcome to **Jianfeng Li**, who has joined the ACROSS team as a Postdoc.

Grants & Awards



Congratulations to **Robert Shellie** who travelled to Canberra recently to accept his **Science and Innovation Award for "Breeding a better beer"**.

Although all beers contain essentially the same four basic ingredients - barley, hop, yeast and water - connoisseurs recognise that not all beers are created equally. Hop is an essential

ingredient as it contributes to the flavour, aroma and bitterness of beer.

While there are many hop varieties grown around the world, including Australia's south-east, brewers are thirsty for new types with improved characteristics to enhance their 'liquid gold'.

Robert is using his award to research 'smart' ways to breed new hop varieties. He is working with the School of Plant Science, and in particular with Anthony Koutoulis.

"Recent advances in biotechnology and analytical chemistry have made it possible to achieve unprecedented success in plant breeding strategies to improve agricultural crops," he said. "Using this technology I will be able to identify the biological pathways that control flavour and aroma compounds in hop."

Dr Shellie's research will provide a foundation upon which smart breeding programmes - targeting specific flavour and aroma profiles - can be developed to create new hop varieties for current and emerging markets. "This Award will advance the science of hop breeding and provide opportunities for Australian hop growers to remain competitive in the global market."

**ARC LINKAGE
GRANT**



Congratulations to **Dr Trevor Lewis & A/Prof Brian Yates et al** for winning a grant for *Reduced water usage in the Australian pulp and paper industry through novel process chemistry*.

Seminars

Wednesday 3 October - RACI Alan Sargeson Lecture

Prof Cameron Kepert, University of Sydney ,
"Molecular Framework Materials".

Wednesday 10 October - Introductory PhD

Russel McGifford, "Colorimetric detection in DGT binding phases for simple analysis".

Ruth Amos, "Mechanistic investigations and rational design of tuberculosis antibiotics".

Wednesday 17 October - Honours Final

Baden Wass, "Factors effecting metal soap formation in paper making".

Rebecca Smedley, "SPME-IC of Charged Ionic Analytes from Liquids".

Rowan Brown, "Steric differences between macrocyclic complexes of Pr, Nd, Sm, and Lu, and their potential reductive chemistry".

Carrie Bloomfield, "Method Development for a Capillary Ion Chromatography System".

Wednesday 24 October - Introductory PhD

Sam Poynter, "New Separation Technologies for Profiling Metabolites in Biological Samples".

Sam Karpinić, "Oligomerisation of Acetylene".