Adventures with the Dairy Industry: Protein aggregation and molecular chaperones in milk

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"Adventures with the Dairy industry: Protein Aggregation and Molecular Chaperones in milk"
This seminar describes some recent work funded through Dairy Australia, concerning stabilization of milk proteins. It has been carried out in collaboration with John Carver, University of Adelaide. In particular, the recent observation by ourselves and others that casein proteins can act as molecular chaperones to stabilize a range of stressed proteins has caused much interest. A molecular chaperone acts to stabilize a partially unfolded aggregating protein in order to prevent irreversible precipitation. A range of techniques including NMR and fluorescence binding studies have been used to probe the mechanism of casein proteins in their chaperone action.

William Price is a physical chemist by training and has long had interests in physical processes in foods as well as other porous and liquid media. He is Professor of Chemistry and Head of the Chemistry Department at the University of Wollongong.

Staff and students at all levels are welcome to attend.

Venue:
Tuesday 12 December at 11 AM at the Campbelltown Campus in Building 21 Lecture Theatre 6.

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