Talk Title: Physical biochemistry of amyloidosis disease

Abstract: My research program involves the application of physical chemistry / biophysics type theoretical and experimental approaches to the study of three disease states (i) cancer, (ii) virus infection, and (iii) amyloidosis. In this talk a brief introductory survey of these three areas will be made before focusing on recent research progress related to the amyloidosis diseases. Various biophysical aspects, including disease modelling, amyloid fibril metrology, statistical analysis of anti-amyloid drug development assays and new methods for describing protein stability will be discussed.

References

Speaker: Damien Hall

Email: damien.hall@anu.edu.au
       damien.hall@protein.osaka-u.ac.jp

Institutions: Australian National University, Research School of Chemistry.
              Osaka University, Institute for Protein Research.

Position: Senior Research Fellow (Australia)
          Associate Professor (Japan)

Web: http://chemistry.anu.edu.au/research/groups/physical-biochemistry-disease