

## Astbury Seminars 2006

### 2nd February 2006

Dr Sarah Perrett, Beijing Institute of Biophysics, University of Cambridge  
“*The yeast prion protein Ure2: Function, folding and amyloid formation*”

### 9th February 2006

Prof Michael Sundstrom and Prof Stefan Knapp, Genomics Consortium, University of Oxford  
“*Directed structural genomics: Focus on human protein families*” and “*New insights for the development of specific kinases inhibitors by targeted structural genomics*”

### 16th March 2006

Dr Jim Warwicker, Bioinformatics Department of Biomolecular Sciences, University of Manchester  
“*Modelling charge interactions and pH dependence in biology*”

### 27th April 2006

Dr David Dryden, School of Chemistry, University of Edinburgh  
“*Restriction and anti-restriction*”

### 18th May 2006

Dr Jose Pereira-Leal, Instituto Gulbenkian de Ciencia, Portugal  
“*Evolution of functional modules in protein networks*”

### 15th June 2006

Dr Matthias Geyer, Max Planck Institute for Molecular Physiology, Dortmund  
“*Biochemical analysis of membrane-binding properties in HIV-1 Nef: Insights to curvature, composition and signal motifs*”

### 6th July 2006

Prof Steve Chapman, School of Chemistry, University of Edinburgh  
“*The magic of haem: advice to young scientists from a wise man*”

### 12th September 2006

Prof Satoshi Murakami, Department of Cell Membrane Biology, Osaka University  
“*A functionally rotating mechanism revealed in crystal structures of the multidrug transporter, AcrB, with bound substrates*”

### 14th September 2006

Prof David Towers, School of Mechanical Engineering, University of Leeds  
“*BioPhotonics: Quantitative optical sensor for microscopy*”

### 12th October 2006

Prof Steve Homans, Astbury Centre, University of Leeds  
“*What Drives Ligand-Protein Interactions?*”

### 19th October 2006

Dr Reidun Twarock, The University of York  
“*A Mathematical Physicist's View of Virus Structure And Assembly*”

**16th November 2006**

Dr Ruth Brenk, School of Life Sciences, University of Dundee  
“*Probing molecular docking in a charged model binding site*”

**20th November 2006**

Prof Bentley Fane, Department of Veterinary Science & Microbiology, University of Arizona  
“*Structure, function and evolution of viral scaffolding proteins in a two scaffolding protein system*”

**23rd November 2006**

Dr Jun Liu, National Institutes of Health, Bethesda, USA  
“*Pushing the envelope of cryo electron tomography: 3-D structure of myosin-V inhibited state*”