

## ASTBURY SEMINARS 2013

### **17<sup>th</sup> January**

Prof. David Klenerman, University of Cambridge

*"Single molecule studies of amyloid beta and alpha synuclein aggregation"*

### **7<sup>th</sup> February**

Dr Ed Tate, Imperial College

*"The chemistry of protein modification inside living systems"*

### **7<sup>th</sup> March**

Prof. Johan Neyts, University of Leuven

*"Strategies to inhibit the replication of various RNA viruses"*

### **11<sup>th</sup> April**

Dr Clair Baldock, University of Manchester

*"Nanostructural studies of extracellular regulators of BMP signalling"*

### **2<sup>nd</sup> May**

Dr Jan Löwe, MRC Laboratory of Molecular Biology

*"Structure and function of the bacterial cytoskeleton"*

### **6<sup>th</sup> June**

Prof. Steve Busby, University of Birmingham

*"Bacterial transcription: ancient and modern"*

### **1<sup>st</sup> July**

#### **Bragg Centenary Astbury Annual Lecture**

Prof. Frances Ashcroft, University of Oxford

*"Metabolic regulation of KATP channels: from molecule to disease"*

### **3<sup>rd</sup> September**

Prof. Carol Hall, North Carolina State University, USA

*"Spontaneous formation of oligomers and fibrils in large scale molecular dynamics simulations of peptides"*

### **5<sup>th</sup> September**

Prof. Mark Sansom, University of Oxford

*"Membrane proteins in context: MD simulations of membrane proteins and their lipid interactions"*

### **3<sup>rd</sup> October**

Dr Jo Parish, University of Birmingham

*"Specific recruitment of the genomic insulator CTCF to the HPV genome"*

### **31<sup>st</sup> October**

Dr Jane Dyson, Scripps Research Institute

*"Dynamics in biological processes"*

### **7<sup>th</sup> November**

Prof. Dagmar Klostermeier, Westfälische Wilhelms-Universität Münster

*"The role of conformational changes for the function of ATP-driven molecular machines"*

### **14<sup>th</sup> November**

Prof. Rudi Ettrich, Institute of Nanobiology and Structural Biology, Nová Hrad, Czech Republic

*"Was binding of free amino acids an early innovation in the evolution of allostery?"*

### **28<sup>th</sup> November**

Prof. Alison Smith, University of Cambridge

*"Thiamine pyrophosphate riboswitches in algae - their role in metabolism and biotechnology"*