



ISMB Symposium 2006

'At the interface of Structural Biology, Chemical Biology, Bioinformatics, Biophysics and Proteomics'

Monday 19 June

09.30 - 09.35 **Opening comments and welcome**
David Latchman, Master of Birkbeck

Chemical Biology Programme

09.35 - 10.20 **Molecular Basis for Increased Susceptibility of Isolates with Atazanavir Resistance-Confering Substitution I50L to Other Protease Inhibitors**
Michael Doyle, Bristol-Myers Squibb, USA

10.20 - 11.05 **Diversity Oriented Synthesis and the Small Molecule Approach to Chemical Biology**
Stephen Caddick, Institute of Structural Molecular Biology, UK

11.05 - 11.30 **Tea and coffee break in the South Cloisters, UCL**

11.30 - 12.20 **Chemical Genetic Dissection of Kinase Pathways in Disease and Normal Physiology**
Kevan Shokat, University of California, San Francisco, USA

12.20 - 14.00 **Lunch break**

Biophysics Programme

14.00 - 14.45 **Single myosins pulling on membranes**
Justin Molloy, NIMR, UK

14.45 - 15.30 **Synchrotron Radiation Circular Dichroism Spectroscopy: Applications in Structural and Functional Genomics**
Bonnie Wallace, Institute of Structural Molecular Biology, UK

15.30 - 16.00 **Tea and coffee break in the South Cloisters, UCL**

16.00 - 16.50 **On DNA Replication by the T4 Replisome**
Steve Benkovic, Pennsylvania State University, USA



All lectures will take place in Cruciform Lecture Theatre 1, Cruciform Building, UCL, Gower Street. Please note that lunch is not provided for attendees but there are many sandwich shops, cafes, restaurants and bars nearby.





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Tuesday 20 June

Bioinformatics Programme

- 09.30 - 10.15 **Exploiting Structural and Comparative Genomics to Reveal Protein Functions**
Christine Orengo, Institute of Structural Molecular Biology, UK
- 10.15 - 11.00 **De-novo prediction of protein structure from ideal Forms**
Willie Taylor, NIMR, UK
- 11.00 - 11.30 **Tea and coffee break in the South Cloisters, UCL**

Proteomics Programme

- 11.30 - 12.15 **Ultra-High Sensitivity Proteomics**
Jasminka Godovac-Zimmerman, ISMB, UK
- 12.15 - 13.05 **Defining the structure and function of macromolecular complexes**
Brian Chait, Rockefeller University, USA
- 13.05 - 14.30 **Lunch break**

Structural Biology Programme

- 14.30 - 15.15 **Cryo-electron tomography illustrates the mechanism of HIV-1 Core Assembly**
Stephen Fuller, Oxford University, UK
- 15.15 - 16.00 **Of H1 and N1**
John Skehel, NIMR, UK
- 16.00 - 16.30 **Tea and coffee break in the South Cloisters, UCL**
- 16.30 - 17.20 **Motions in Macromolecular Machines**
Tom Steitz, Yale University, USA
- 17.20 - 17.25 **Concluding remarks**
Malcolm Grant, Provost of UCL



ISMB Symposium

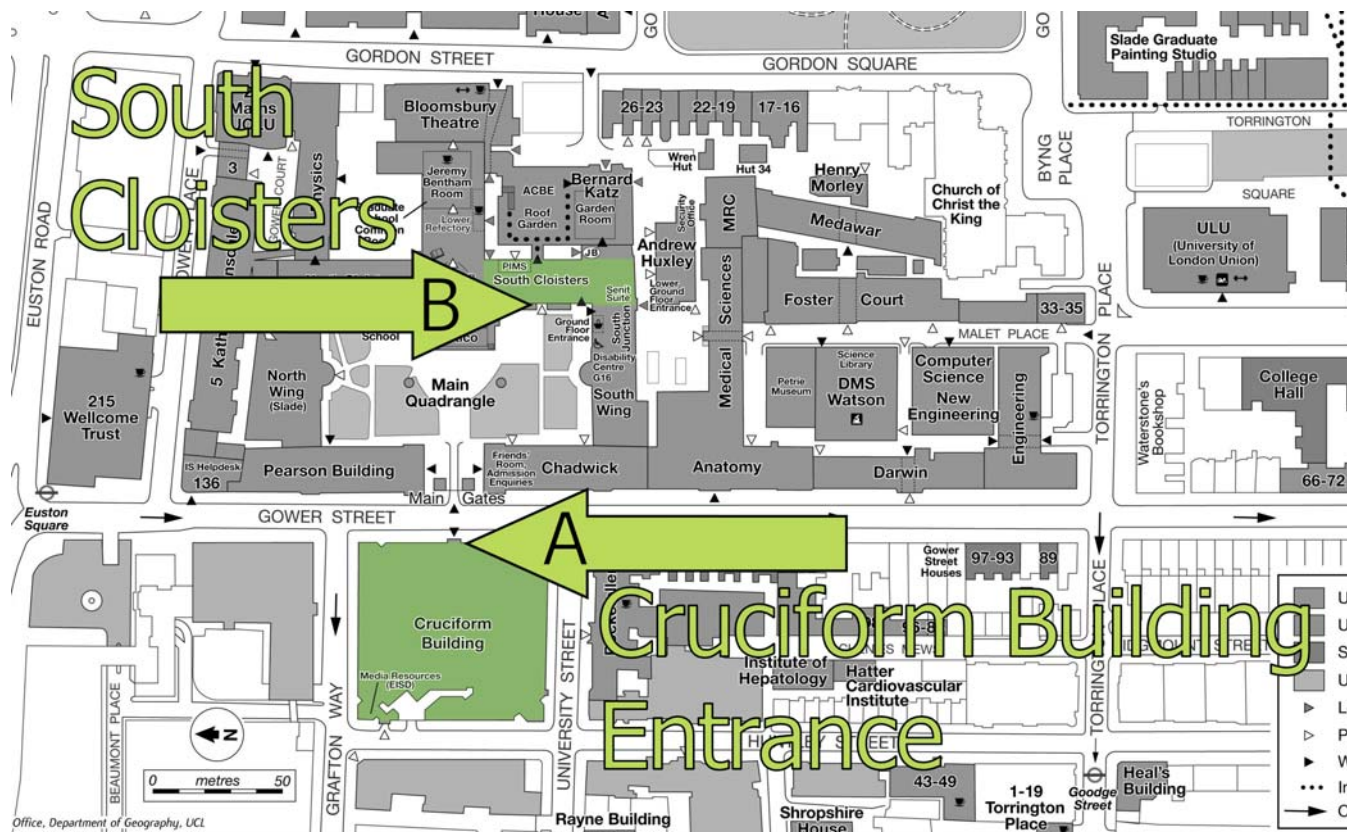
Directions

A: Cruciform Building entrance

All lectures will take place at UCL in *Cruciform Lecture Theatre 1*, Cruciform Building, Gower Street.

B: South Cloisters

Tea and coffee breaks will take place in the *South Cloisters*.



The Cruciform building

How to get to there

Details of how to get to UCL are available at the URL below:
see www.ucl.ac.uk/about-ucl/location/

Underground stations - in order of distance from the main College building:
see www.tfl.gov.uk/tube/

- Euston Square* | Metropolitan, Circle, and Hammersmith & City lines
- Warren Street* | Victoria line and Northern line (Charing Cross branch)
- Euston* | Victoria line and Northern line
- Goodge Street* | Northern line (Charing Cross branch)
- Russell Square* | Piccadilly line

