

Celebratory Symposium, 21st July 2011, Life Sciences Building, Lecture Theatre 2, University of Liverpool

A symposium is arranged to celebrate the award of an honorary degree to Professor Sir Tom Blundell, founder of Astex Therapeutics and Chairman of BBSRC, as well as the opening of the new X-ray structural laboratory 'Barkla X-ray laboratory of Biophysics'. The laboratory is named in honour of Charles Barkla, a graduate of, and lecturer at, the University in view of his key contribution in the birth of X-ray Crystallography (http://www.biophysics.liv.ac.uk/X-rays_Liverpool.html) receiving the 1917 Nobel Prize in Physics for his work demonstrating the electromagnetic nature of x-rays.

Professors Sir Tom Blundell and Dame Louise Johnson will open the laboratory.

10:00-12:00 Session One

Chair tbc

Welcome:

Speakers (each 40 minutes)

1. Dame Louise Johnson, FRS (Oxford) "A celebration of achievements with X-rays of Charles Barkla and Tom Blundell"
2. David Stuart, FRS (Diamond & Oxford) 'Synchrotron radiation and structural biology, the next steps'
3. Richard Henderson, FRS (MRC LMB) "Recent progress in electron cryo-microscopy"

12:00-12:40 Opening of the Laboratory & Tours of the lab

12:40-1:30 Lunch (and tours to continue)

1:30-3:30 pm Session Two

Chair tbc

4. Robin Perutz, FRS (York) "The energy challenge: conversion of solar energy to fuels."
5. Jose Mato (DG of CIC bioGUNE, Bilbao, Spain) "Methionine metabolism in Liver disease: From mouse models to structural studies in search for finding a cure"
6. Janet Thornton, FRS, (EBI, Hinxton) "Towards Genome Annotation through Structural Biology and Bioinformatics"

3:30-3:50pm Coffee/Tea

3:50-5:50 pm Session Three

Chair tbc

7. Dame Louise Johnson, FRS (Oxford) "New opportunities in biology using free electron lasers".
8. Tony Wilkinson, Vice President Lead Generation Discovery Enabling Capabilities and Science, Astra Zeneca, "Structural Biology and Lead Generation in AstraZeneca"
9. Sir Tom Blundell, FRS, (Cambridge) "Structural Biology and Drug Discovery: Selectivity through Allo-targeting"

Reception 6-7pm

IMPORTANT: Registration is free but participation requires registration by sending an email to Mrs Angela Dell, dell@liverpool.ac.uk.