

## BCA/BACG 2006 SPRING MEETING: SATELLITE MEETINGS

Monday 3 April

### 11.30-12.30 Registration for Young Crystallographers meeting

**Venue** 12.30 – 14.50

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#### YOUNG CRYSTALLOGRAPHERS MEETING

Chair: John Warren (CCLRC Daresbury Laboratories)

- 12.30 Welcome and Introduction - Andy Parkin (University of Glasgow)
- 12.40 Maryjane Tremayne (University of Birmingham)  
*Can mullets and flares speed up the process of evolution?*
- 13.10 Christopher Spanswick (University of Edinburgh)  
*New insights into proton migration - effects of temperature and pressure on deuterated urea-phosphoric acid*
- 13.30 Alex Griffin (University of Bristol)  
*Crystal synthesis*
- 13.50 Alistair Davidson (University of Edinburgh)  
*Isostructural transformation and polymorphism of thiourea dioxide at high pressure*
- 14.10 Guillermo Minguez (University of Sheffield)  
*Molecular ionic networks based on  $M-X\cdots X'-C$  halogen bonds: a study of their nature and solid state reactivity*
- 14.30 Lynne Thomas (University of Cambridge)  
*Disorder in pentachloronitrobenzene: a diffuse scattering and computational study*
- 14.50 Tea
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**Venue** 15.20 – 17.10

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#### YOUNG CRYSTALLOGRAPHERS MEETING

Chair: Alex Griffin (University of Bristol)

- 15.20 Bill Hunter (University of Dundee)  
*Targeting metabolic pathways in pathogens to underpin drug development.*
- 15.50 John Warren (CCLRC Daresbury Laboratories)  
*Nasty things happen to nice crystals*
- 16.10 Susie Harte (University of Glasgow)  
*Diffraction and computational studies of hydrogen bonded base paired systems*

16.30 Martin Walker (University of Edinburgh)  
*Nitric acid hydrates at high pressure: an experimental and computational study*

16.50 Anna Collins (University of Oxford)  
*Distribution of molecular pairs in  $Z'=2$  structures*

17.10 Short Break

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**Venue** 17.20 – 19.00

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**YOUNG CRYSTALLOGRAPHERS MEETING**

Chair: Andy Parkin (University of Glasgow)

17.20 Meeting to formally found Young Crystallographers Special Interest Group

17.30 Two minute Young Crystallographers poster presentations

19.00 Buffet dinner, wine reception and poster session

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**Tuesday 4 April**

**Venue** 9.00 – 10.30

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**YOUNG CRYSTALLOGRAPHERS MEETING**

Chair: John Warren (CCLRC Daresbury Laboratories)

9.00 Simon Coles (University of Southampton)  
*The EPSRC National Crystallography Service – A valuable extension of your home laboratory.*

9.30 Victoria Money (York Structural Biology Laboratory)  
*Substrate distortion by a lichenase highlights the different conformational itineraries harnessed by related glycoside hydrolases V*

9.50 Lee Brooks (ESRF and Keele University)  
*The stereo-selective synthesis and crystal structures of insect recognition pheromones*

10.10 Francesca Fabbiani (University of Edinburgh)  
*Probing polymorphism in polycyclic aromatic compounds with high pressure*

10.30 Coffee and Registration for main meeting

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