

Spring 2007 Meeting

a joint meeting of the Genetics Society and the
British Societies for Cell and Developmental Biology

the
geneticssociety

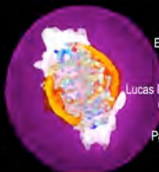


British Society
for
Cell Biology

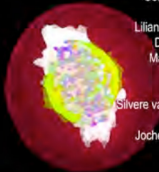
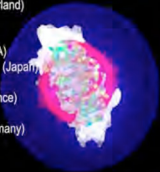


Heriot-Watt University, Edinburgh, 29th March - 1st April 2007

Michael Bate (UK)
Herwig Baier (USA)
Zhijian "James" Chen (USA)
Stephen Davies (UK)
Caroline Dean (UK)
Ivan Dikic (Germany)
Liam Dolan (UK)
Bill Earnshaw (UK)
Bruce Edgar (USA)
Jan Ellenberg (Germany)
Bob Goldman (USA)
Michael Hall (Switzerland)
Ron Hay (UK)
Doug Higgs (UK)
Laura Johnston (USA)
Ryoichiro Kageyama (Japan)
Angus Lamond (UK)
Thomas Lecuit (France)
Paul Lehner (UK)
Matthias Mann (Germany)
Jane Mellor (UK)



Barbara Meyer (USA)
Elliott Meyerowitz (USA)
Andrew Millar (UK)
Steve Oliver (UK)
Lucas Pelkmans (Switzerland)
Olivier Pourquié (USA)
Tomo Tanaka (UK)
Pascal Therond (France)
Mike Tyers (Canada)
Bill Schafer (USA)
Ueli Schibler (Switzerland)
Pam Silver (USA)
Liliana Solnica-Krezel (USA)
Daniel St Johnston (UK)
Matthias Uhlen (Sweden)
Helle Ulrich (UK)
Sylvie Urbé (UK)
Silvère van der Maarel (Holland)
Steve Wilson (UK)
Jochen Wittbrodt (Germany)



Programme includes

Protein Modification, Cell Growth, Ubiquitin, Trafficking and Signalling,
Biological Clocks, Nuclear Dynamics, Genetics and Behaviour, Genomes,
Chromosomes and Disease, Cell Polarity and Migration, Systems Biology,
'Omics and High throughput Screens: The future?

BSCB Honor Fell travel awards and BSDB travel awards available on application
For further information see www.genetics.org.uk, or www.bsdb.org or www.bsdb.org

**Provisional Programme
Spring 2007 Meeting
Joint Meeting of the Genetic Society and the British Societies
For Cell and Developmental Biology**

Date		Time	Location
Thursday 29th			
Registration	Registration Desk opens	1400-1930hrs	James Watt Centre II Foyer
Committee Meetings:	British Society for Developmental Biology	1300-1600hrs	Cedar
	British Society for Cell Biology Genetics Society	1500-1800hrs 1500-1800hrs	Beech Oak
Dinner:	All Delegates	1800-2000hrs	Middle Floor Dining Room
Plenary Lecture:	Sex and Repression Barbara Meyer (University of California Berkeley, USA)		2000-2050hrs Main Auditorium - James Watt Centre I
Drinks Reception:	Trade Exhibition & Cash Bar		2100-2230hrs James Watt Centre II
	Students Social Event		2130-2230hrs Bruce Room
Friday 30th			
Breakfast:	All Delegates	0700-0830hrs	Middle Floor Dining Room
Registration	Delegate sign in	0800-1700hrs	James Watt Centre II Foyer
Plenary Lecture:	Dynamics of cell-cell communication and growth in plant shoot apical meristems: local interactions lead to global patterns Elliot Meyerowitz (California Institute of Technology, USA)		0830-0920hrs Main Auditorium - James Watt Centre I
Parallel Sessions:	Session IA Chair: Ron Hay		Session IB Chair: Laura Johnston
	PROTEIN MODIFICATION – (Lecture Theatre I)		CELL GROWTH – (Main Auditorium - James Watt Centre I)
	Role of SUMO specific proteases in transcriptional regulation Ron Hay (University of Dundee, UK)	0930-1000	Pleonastic phosphorylation, substrate recognition and higher order structure of the SCF ubiquitin ligase Mike Tyers (Samuel Lunenfeld Research Institute, Canada)
	Short Talk selected from Abstracts	1000-1015	Short Talk chosen from Abstracts
	Coffee Break & Exhibition/poster viewing time		Coffee Break & exhibition/poster viewing time
	Ubiquitylation and sumoylation in DNA damage bypass Helle Ulrich (Cancer Research UK)	1045-1115	Winners and losers during growth of the Drosophila wing Laura Johnston (Columbia University, USA)
	Short Talk selected from Abstracts	1115-1130	Short Talk chosen from Abstracts
	Secretion and spreading of Hedgehog family proteins Pascal Therond (CNRS, France)	1130-1200	Growth and Cell Cycle control during Drosophila development Bruce Edgar (Fred Hutchinson Cancer Research Centre, USA)
	Histone modifications, nucleosome dynamics and gene expression Jane Mellor (University of Oxford, UK)	1200-1230	TOR signalling and control of cell growth in yeast and mammals Michael Hall (University of Basel, Switzerland)
Buffet Lunch:	Trade Exhibition & Poster set up		1230-1400hrs James Watt Centre II
	“Setting up your Lab” Workshop		1230-1400hrs Carnegie Room

Parallel Sessions:

Session IIA Chair: Sylvie Urbé

Session IIB Chair: Olivier Pourquie

UBIQUITIN, TRAFFICKING AND SIGNALLING (Main Auditorium - James Watt Centre I)	1400-1700hrs	BIOLOGICAL CLOCKS (Lecture Theatre I)
De-ubiquitination enzymes in traffic and signalling Sylvie Urbé (University of Liverpool, UK)	1400-1430	Patterning the vertebrate axis by the segmentation clock Olivier Pourquie (HHMI & Stowers Institute for Medical Research, USA)
Ubiquitin signaling pathways Ivan Dikic (Goethe University Frankfurt, Germany)	1430-1500	Ultradian clocks that regulate somite segmentation and other events Ryoichiro Kageyama (Kyoto University, Japan)
Short Talk selected from Abstracts	1500-1515	Systems biology of circadian rhythms in plants Andrew Millar (University of Edinburgh, UK)
Short Talk selected from Abstracts	1515-1530	
Tea Break & exhibition/poster viewing time	1500-1530	Tea Break & exhibition/poster viewing time
Control of cell surface receptors by ubiquitin - lessons from viruses Paul Lehner (Cambridge Institute of Medical Research (CIMR), UK)	1530-1600	Circadian rhythms in mammals: Crosstalk between oscillators Ueli Schibler (University of Geneva, Switzerland)
Ubiquitin signaling in the NF-kappaB pathway Zhijian 'James' Chen (University of Texas, USA)	1630-1700	Beddington Medal Lecture Speaker tba

Medal Lecture:

Genetics Society Medal Lecture The need for winter in the switch to flowering Caroline Dean (John Innes Centre Norwich, UK)	1715-1815hrs	Main Auditorium - James Watt Centre I
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AGM:

Annual General Meetings (BSCB, BSDB, GenSoc)	1815-1845hrs	In parallel
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Dinner:

All Delegates	1800-2000hrs	Middle Floor Dining Room
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Drinks Reception:

Sponsored drinks reception & Trade Exhibition & Posters:	1930-2200hrs	James Watt Centre II
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Saturday 31st

Breakfast:	All Delegates	0700-0830hrs	Middle Floor Dining Room
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Parallel Sessions:

Session IIIA Chair: Bill Earnshaw

Session IIIB Chair: Michael Bate

NUCLEAR DYNAMICS – (Main Auditorium - James Watt Centre I)	0830-1130hrs	GENETICS OF BEHAVIOUR – (Lecture Theatre I)
Inactivation of a conditional human kinetochore by targeted epigenetic alteration of centromeratin Bill Earnshaw (University of Edinburgh, UK)	0830-0900	Specifying the machinery for movement in Drosophila Michael Bate (University of Cambridge, UK)
Spatial organization of gene expression Wouter de Laat (Erasmus Medical School, The Netherlands)	0900-0930	Brain asymmetry: from genes to circuitry and behaviour Steve Wilson (University College London, UK)
Genome-wide microscopy-based RNAi screening to identify mitotic genes in human cells Jan Ellenberg (EMBL, Germany)	0930-1000	Genetic dissection of zebrafish visual perception and behavior Herwig Baier (University of California San Francisco, USA)
Coffee break & exhibition/poster viewing time	1000-1030	Coffee Break & exhibition/poster viewing time
Protein Dynamics in the Cell Nucleus Angus Lamond (Univeristy of Dundee, UK)	1030-1100	Genetic and neuroimaging studies of sensory circuits in C. elegans. Bill Schafer (LMB, UK)
Short Talk selected from Abstracts	1100-1115	Promega Lecture
Short Talk selected from Abstracts	1115-1130	

Medal Lecture:

Hooke Medal Lecture: Kinetochore capture and bi-orientation of the mitotic spindle Tomo Tanaka (University of Dundee, UK)	1130-1230hrs	Main Auditorium - James Watt Centre I
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Buffet Lunch:

Posters & Trade Exhibition	1230-1400hrs	James Watt Centre II
"Talks by Students for Students"	1230-1400hrs	Carnegie Room

Parallel Sessions:

Session IVA Chair: Bob Goldman		Session IVB Chair: Daniel St Johnston	
GENOMES, CHROMOSOMES & DISEASE – (Lecture Theatre I)	1400-1700hrs	CELL POLARITY AND MIGRATION – (Main Auditorium -James Watt Centre I)	
What Human Diseases are Revealing about Nuclear Lamin Structure and Function Bob Goldman (Northwestern University, USA)	1400-1430	Polarising the Anterior-Posterior axis in <i>Drosophila</i> Daniel St Johnston (Wellcome Trust/Cancer Research UK Gurdon Institute)	
Short Talk selected from Abstracts	1430-1445	Short Talk selected from Abstracts	
New mechanisms of human genetic disease Doug Higgs (MRC Molecular Haematology Unit, UK)	1445-1515	Asymmetric cell division and tumorigenesis in <i>Drosophila</i> Juergen Knoblich	
Short Talk selected from Abstracts	1515-1530	Short Talk selected from Abstracts	
Tea Break & exhibition/poster viewing time	1530-1600	Tea Break & exhibition/poster viewing time	
The Epigenetic Disease Mechanism of FSHD Silvère van der Maarel (Leiden University Medical Centre, The Netherlands)	1600-1630	Genetic regulation of gastrulation movements in zebrafish Liliana Solnica-Krezel (Vanderbilt University, USA)	
Dynamic Nuclear Reorganisation in Neurodegenerative Disease Stephen Davies (University College London, UK)	1630-1700	Making a polar cell with a conserved tool box Liam Dolan (John Innes Centre Norwich, UK)	

Medal Lecture:	Waddington Medal Lecture	1715-1815hrs	Main Auditorium -James Watt Centre I
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Conference Dinner	Conference Dinner – Dynamic Earth	1930-Late	Coaches leave Heriot Watt to conference venue
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Sunday 1st

Breakfast:	All Delegates	0800-0900hrs	Middle Floor Dining Room
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Plenary Lecture:	Quantitative proteomics and phosphoproteomics for systems biology Matthias Mann (Max-Planck Institute for Biochemistry, Germany)	0900-0950hrs	Main Auditorium - James Watt Centre I
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Session VA Chair: Matthias Mann			
SYSTEMS BIOLOGY, “OMICS” AND HIGH THROUGHPUT SCREENS: THE FUTURE?	1000-1300hrs	Main Auditorium - James Watt Centre I	
Retinal growth and regeneration: balance between proliferation and differentiation Jochen Wittbrodt (EMBL, Germany)	1000-1030		
Short Talk selected from Abstracts	1030-1045		
Coffee Break	1045-1115		
A human protein atlas – profiling the human proteome Matthias Uhlen (Royal Institute of Technology, Sweden)	1115-1145		
Short Talk selected from Abstracts	1145-1200		
How to deal with the complexity of a “simple” eukaryotic cell Steve Oliver (University of Manchester, UK)	1200-1230		
A systems approach to virus entry and endocytosis in mammalian cells Lucas Pelkmans (ETH Institute of Molecular Systems Biology, Switzerland)	1230-1300		

Buffet Lunch:	Closing Buffet Lunch	1300-1430hrs	James Watt Centre II
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Meeting Reports

BSDB/BSCB/GenSoc Spring Symposium 2007

Edinburgh Conference Centre, Heriot-Watt University, Edinburgh
29 March–1 April 2007

A short account of the 'Talks for Students by Students' session by Dan Hancock, School of Biosciences, Cardiff University

"Congratulations! Your abstract has been chosen and we would like you to give a student talk at the BSDB/BSCB/GenSoc Edinburgh Spring conference."

Unfortunately this email was not junk mail, or a joke, or the prize in a Reader's Digest competition that I could just ignore and throw away. I read on.

"Of course, all students who give a talk are still expected to present a poster as well."

Great. I don't even get out of that then.

"The idea behind it was that it would give students the chance to present their work in an informal, relaxed atmosphere"

Except that, actually it was great. Both being an opportunity for me to talk enthusiastically about my work to people who were interested in it (or at least did a convincing job of pretending to be) and get feedback and ideas from them.

The 'Talks by Students for Students' was introduced to the conference for the first time this year. The idea behind it was that it would give students the chance to present their work in an informal, relaxed atmosphere, and also, importantly, for other students to feel comfortable to ask questions about the

work afterwards. Both of these are good things. Because though we might not necessarily want to stand up and give presentations, it is paramount that we do so (and do so well). Also, as I am certain you have heard from supervisors on numerous occasions, students don't ask questions in seminars enough when, as scientists, we should be asking questions all the time. So we should be very grateful for the chance to do both of these things at an event of the scale and significance of the Spring conference.

As for me, my talk (on the role of *Him* and *mef2* on muscle development in *Drosophila* – just to get that in there) went well. Even if I should have perhaps faced the audience a bit more when speaking to them – something I can improve for next time. Afterwards, relieved that it was over, it meant that I could relax and enjoy the rest of the talks that Saturday afternoon and also, more importantly, the ceilidh that night.

With thanks to Raphie Kitson-Pantano and Jo Young for doing such a great job at organising the Student Talks and Student Social this year.

Spring Symposium poster prize winners

First prize:

Jonathan Leslie, CRUK, Lincoln's Inn Fields Labs (wins a trip to meeting of American Society for Developmental Biology).

Runners up:

Kyra Campbell, Department of Zoology, University of Cambridge (subscription to *Science*)

Emily Noel, NIMR, Mill Hill (subscription to *Nature Cell Biology*)

Michelle Pelling, NIMR, Mill Hill (subscription to *Developmental Cell*)

