

1995 (#28, 29, 30, 31)

SPRING 1995: Cellular Movements, the Basis of Morphogenesis.
University of Kent April 20-22nd. Organisers Chris Wylie and Jeff Williams

Plans for this meeting are now well advanced and the preliminary programme is as follows:

(1) The Basis of Cellular Motility

J. Spudich (San Diego)
T. Mitchison (Berkeley)
G. Gerisch (Martinsried)
D. St. Johnston (Cambridge)

(2) Genetic Approaches to Cell Migration

J. Culotti (Toronto)
M. Stern (Yale)
B. Shilo (Jerusalem)
L. Montell (Baltimore)

(3) Control of Migration by the Environment (I)

R. Hynes (Boston)
M. Tessier Levigne (San Francisco)
C. Damsky (San Francisco)
P. Devreotes (Baltimore)
J. Williams (London)

(4) Control of Migration by the Environment (II)

C. Wylie (Cambridge)
D. Anderson (Caltech)
M. Leptin (Tübingen)
D. Wagner (Tufts)
S. Rosen (San Francisco)

(5) Control of Migration by the Environment (III)

S-I Nishikawa (Tokyo)
W. Risau (Martinsried)
W. Birchmeier (Essen)

Further details will appear in the Spring Edition of the Newsletter

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The full programme and Registration Form for this Symposium will appear in the Autumn Edition of the Newsletter.

with the GENETICAL SOCIETY
and the BSCB

CELL MIGRATION: THE BASIS FOR MORPHOGENESIS and the BSCB

Geris, F. (Martinsreid)
Spudis, D. (Stanford) Hynes, B. (Boston)
St. Johnston, D. (Cambridge) Shilo, J. (Jerusalem)
Birchmeier, C. (Essen) Damsky, S. (San Francisco)
Devreotes, P. (Baltimore) Wylie, D. (Minneapolis)
Nishikawa, K. (Tokyo) Rosen, B. (San Francisco)
Tessier-Lavigne, M. (San Francisco) Hart, D. (London)
Risau, W. (Martinsreid) Stern, R. (Yale)
Wagner, G. (Tufts) Jessell, M. (New York)
Culotti, R. (Toronto) Williams, R. (London)
Leptin, M. (Tübingen)



STEM CELLS

Barker (Toulouse)
 Dexter (Manchester)
 Kedyojanni (Madison)
 Winton (Cambridge)
 Watt (London) Dellaporta (Yale)
 Bradley (Norwich) Langdale (Oxford)



STAFF MEMBERS

- Nigg (Lausanne)
- Bird (Edinburgh)
- Preisimah (London)
- Hastie (Edinburgh)
- Grünstein (Los Angeles)
- Laemli (Geneva)
- Beggs (Edinburgh)
- Bauerle (Freiburg)
- Mattaj (Heidelberg)
- Nasmyth (Vienna)
- Earnshaw (Baltimore)
- Lamond (Heidelberg)
- Blöbel (New York)
- Röeder (New York)
- Lindahl (London)
- Stillman (Cold Spring Harbor)
- Brewer (Seattle)
- Diffley (London)
- Aebi (Basel)
- Ziff (New York)
- Schaffner (Zurich)
- Cook (Oxford)

for further information contact:

including:
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Errington (Oxford)
Kaiser (Stanford)
Chater (Norwich)

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Cell Migration: the Basis of Morphogenesis

University of Kent at Canterbury

The Spring 1995 Symposium entitled "**Cell Migration: the Basis of Morphogenesis.**" will take place at the University of Kent at Canterbury from **Tuesday 18th April to Saturday 22nd April.** As usual, the Symposium will run concurrently with that of the British Society for Cell Biology.

The main **BSCB Symposium** is entitled "**Regulation in the Cell Nucleus**". In addition to the two main Symposia there will be a joint BSCB/BSDB/Genetical

Society one day meeting on "**Stem Cells**". A Poster Session and parallel workshops on "**Prokaryotic Development**" (BSDB), and "**Muscle Cell Biology**" (BSCB) will run concurrently with the main symposia.

A **Registration Form**, **Abstract Form** and general information about the conference venue can be found in the '**Centre Section**' of the Newsletter. The full scientific programme appears on the following pages.

"Cell Migration: the basis of morphogenesis"

Scientific Organizers: Jeff Williams and Chris Wylie

Thursday 20th April

9.00 am BSDb/BSCB Plenary Lecture

Bruce Stillman (Cold Spring Harbor) "Eukaryotic DNA Replication"

Basis of cellular motility.

Chair: Gunther Gerisch (Martinsried)

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|-------------|--|
| 10.10-10.45 | Louise Cramer (San Francisco) "Actin filament dynamics in migrating fibroblasts" |
| 10.45-11.20 | Gunther Gerisch (Munich) "Spatial and temporal coordination in the cytoskeleton of locomoting cells-multiple roles for actin-binding proteins" |
| 11.45-12.15 | Alan Hall (London) "Co-ordination of the actin cytoskeleton by rho/rac/CDC42 GTP binding proteins" |
| 12.15-12.45 | Daniel St. Johnston (Cambridge) "Cell movement, intracellular transport, and the origin of polarity in <i>Drosophila</i> ". |

Genetic approaches to cell migration

Chair: Jeff Williams (London)

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|-----------|--|
| 2.15-2.45 | Benny Shilo (Jerusalem) "The roles of <i>Drosophila</i> FGF receptors in embryonic cell migrations" |
| 2.45-3.15 | Michael Stern (Yale) "Signalling through the FGF receptor guides migrating cells in <i>C. elegans</i> ". |
| 4.15-4.45 | Jo Culotti (Toronto) Title to be announced |
| 4.45-5.15 | Denise Montell (Baltimore) "Molecular genetic analysis of border cell migration in the <i>Drosophila</i> ovary." |
| 5.15-5.45 | Mark Krasnow (Stanford) "Genetic control of branching morphogenesis in <i>Drosophila</i> " |

Fri day 21st April 9.00

9.00-10.00 BSCB/BSDB PLENARY LECTURE
Richard Hynes (Boston) "Cell Adhesion in Morphogenesis"

Control of migration by the environment I

Chair: Chris Wylie (Minnesota)

10.10-10.45 Marc Tessier-Levigne (San Francisco) "Molecular basis of chemotropism in the developing spinal cord".

10.45-11.10 Peter Devreotes (Baltimore) "Genetic Analysis of Chemotaxis and Cell-Cell Signaling in Dictyostelium"

11.45-12.15 Caroline Damsky (San Francisco) "B1 integrins in morphogenesis and tissue remodelling"

12.15-12.45 Jeff Williams (London) "Morphogenetic cell movement and cellular differentiation in *Dictyostelium*"

Control of migration by the environment II

Chair: Tom Jessell (New York)

3.50-4.20 Chris Wylie (Minnesota) ""Migration of primordial germ cells""

4.20-4.50 Maria Leptin (Köln) "Cell movements during *Drosophila* gastrulation"

4.50-5.20 Denisa Wagner (Boston) "Cellular recruitment to sites of injury and inflammation"

5.20-5.50 Steve Rosen (San Francisco) "L-selectin and its endothelial ligands"

Saturday 22nd April

9.00-10.00 BSCB/BSDB PLENARY LECTURE

Tom Jessell (New York) "Inductive signals and the control of cell pattern in the neural tube"

Control of migration by the environment III

Chair: Richard Hynes (Cambridge)

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|-------------|--|
| 10.10-10.45 | Shin-ichi Nishikawa (Tokyo) "The role of type III receptor tyrosine kinases in migrating stem cells" |
| 10.45-11.20 | Werner Risau (Munich) "Development of the vascular system" |
| 11.50-12.20 | Ian Hart (London) "Cell adhesion in tumour metastasis" |
| 12.20-12.50 | Walter Birchmeier (Essen) "The role of SF/HGF-Met in development" |

BRITISH SOCIETY FOR CELL BIOLOGY SYMPOSIUM "Regulation in the Cell Nucleus"

Scientific organizers: Ron Laskey and Tony Kouzarides

Yamanouchi Plenary Lecture

Bruce Stillman (Cold Spring Harbor)

Nuclear Membrane and transport

- Gunter Blobel (New York) 'Protein transport across the nuclear pore complex'
 Erich Nigg (Lausanne) 'The control of mitosis'
 Ueli Aebi (Basel) 'Exploring nuclear pore complex structure and function at the molecular level'
 Iain Mattaj (Heidelberg) 'RNA export from the nucleus'

Chromosomes and Chromatin

- Mike Grunstein (UCLA) 'Regulation of heterochromatin and euchromatin by histones'
 Adrian Bird (Edinburgh) 'On the origin of CpG islands'
 Nick Hastie (Edinburgh) 'The Wilms' tumor (WT1) gene encodes a transcription (?) factor essential for urinogenitary development'
 Bill Earnshaw (Baltimore) 'Reconstruction of the apoptotic cascade *in vitro*'
 Uli Laemmli (Geneva) to be announced

Replication and Repair

- Bonny Brewer (Seattle) 'Regulation of replication origin activation in yeast'
 Peter Cook (Oxford) 'Assembly of initiation complexes at yeast replication origin *in vitro*'
 Thomas Lindahl (Clare Hall) 'Recognition and processing of damaged DNA'

Transcription and Processing

Walter Schaffner (Zurich) to be announced
 Ed Ziff (New York) 'Gene regulation by growth factors'
 Kim Nasmyth (Vienna) to be announced
 Jean Beggs (Edinburgh) 'Nuclear pre-mRNA splicing in yeast'
 Angus Lamond (Heidelberg) 'Nuclear substructure and RNA processing'
 Patrick Baeuerle (Freiburg) 'Signal transduction by transcription factor NF- κ B: the black boxes'
 Bob Roeder (New York) 'The role of general and gene-specific cofactors in transcriptional regulation'
 Richard Treisman (London) 'The SRE and c-fos transcription'

STEM CELLS BSCB/BSDB/Genetical Society Joint Meeting

Organizers: E. Coen and F. Watt

Wednesday April 19th

A. Klar (Frederick) 'Asymmetric division in yeast'
 D. Barker (Toulouse) 'Nodule meristems in plants induced by bacterial morphogens'
 F. Watt (London) 'Epidermal stem cells in humans'
 D. Bradley (Norwich) 'Plant meristem determinacy'
 V. Kodoyianni (Madison) 'Germline proliferation in *C.elegans*'
 S. Dellaporta (Yale) 'Sex-specific primordial death in maize flowers'
 D. Winton (Cambridge) 'Differentiation and renewal in intestinal epithelium'
 L. Hall (Oxford) 'From a stem to a leaf: the role of Bsd1 in maize cell type differentiation'
 M. Dexter (Manchester) 'Cell fate in haemopoiesis'

PROKARYOTIC DEVELOPMENT BSDB Workshop

Organizer: J. Errington

Thursday April 20th

K. Nordstrom (Uppsala) 'Morphogenesis and the timing of developmental events in the *E.coli* cell cycle'
 C. Hughes (Cambridge) 'Development in *Proteus*: swarm cell morphogenesis'
 J. Errington (Oxford) 'Establishment of cell fate in *B. subtilis*'
 K. Chater (Norwich) 'Development in a mycelial prokaryote'
 D. Kaiser (Stanford) 'Intercellular interactions controlling multicellular development in *Myxococcus xanthus*'
 A. Downie (Norwich) 'Molecular signals involved in the coordination of Rhizobium development with its plant host during nodulation'

AUTUMN 1995, University College London.

'Neurogenesis and Neural Development and Plasticity'

This is a joint BSDb/BRA/BSCB Meeting organised by David Edgar, John Parnavelas, Marysia Placzek and Jack Price. It will be held at University College London from 13th - 15th September 1995 inclusive.

INVITED SPEAKERS:

David Anderson (USA)
Yves Barde (Germany)
Heinrich Betz (Germany)
Tim Bliss (UK)
Verne Caviness (USA)
Jon Clarke (UK)
Jonathan Cooke (UK)
Colette Dehay (France)
Chris Doe (USA)
Pat Doherty (UK)
Carlos Dotti (Germany)
Magdalena Gvtz (UK)
Andreas Faissner (Germany)
Sarah Guthrie (UK)
Ernst Hafen (Switzerland)
Chris Henderson (France)
Phil Ingham (UK)

Ron McKay (USA)
Steve Mahon (UK)
Marina Mione (UK)
Marysia Placzek (UK)
Hermann Rohrer (Germany)
Martin Schwab (Switzerland)
Pat Simpson (France)
Gerd Technau (Germany)
Hans Thoenen (Germany)
Sam Weiss (Canada)
George Yancopoulos (USA)

Further Information may be obtained from:

**Professor John Parnavelas,
Department of Anatomy,
University College London,
Gower Street,
London WC1E 6BT, UK
Tel: 0171 387 7050
Fax: 0171 380 7349**

A full programme together with Registration and Abstract forms will appear in the next issue of the Newsletter.

Neurogenesis

Neural Development and Plasticity

Organisers David Edgar, John Parnavelas, Marysia Placzek, Jack Price.

Invited Speakers

David Anderson (USA)
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Heinrich Betz (Germany)
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Tel: 0171 387 7050
Fax: 0171 380 7349

BSDB/BRA/BSCB
Joint Autumn Meeting

13th.-15th. September 1995

University College London.

AUTUMN MEETING 1995

Neurogenesis: Neural Development and Plasticity

University College, London: September 13th - 15th

This is a joint BSDB/BRA/BSCB Meeting organised by David Edgar, John Parnavelas, Marysia Placzek and Jack Price.

Registration and Abstract forms can be found in the Centre Section of the Newsletter. Please note that the deadline for receipt of Abstracts is July 28th 1995.

13th September

Mechanisms Regulating Neural Development

Carlos Dotti (Germany)
Heinrich Betz (Germany)
Pat Doherty (UK)
Andreas Faissner (Germany)

Mechanisms Regulating Neuronal Plasticity

Martin Schwab (Switzerland)
Steve McMahon (UK)
Hans Thoenen (Germany)
Tim Bliss (UK)

14th September

Induction and Patterning

Marysia Placzek (UK)
Philip Ingham (UK)
Jonathan Cooke (UK)
Sarah Guthrie (UK)
Jon Clarke (UK)

Cell Fate Determination

Gerd Technau (Germany)
Chris Doe (USA)
Pat Simpson (France)
Ernst Hafen (Switzerland)
Magdalena Götz (UK)
Marina Mione (UK)

15th September

Control of Neurogenesis

Collette Dehay (France)
Verne Caviness (USA)
Ron McKay (USA)
David Anderson (USA)

Growth Factors in Neurogenesis

Sam Wiess (Canada)
Herman Roher
George Yancopoulos (USA)
Chris Henderson (France)
Yves Barde (Germany)