

1999 (#36, 37, 38, 39)

Spring 1999.

‘Cell Polarity in Development’

This meeting will be organised in **Nottingham** by **Daniel St. Johnston**, on **12th-16th April**. Further details will appear in the next Newsletter.

SPRING SYMPOSIUM MEETING 1999

University of MANCHESTER.

**‘Cell Polarity and
Development’**

This meeting is being organised by **Daniel St Johnston**, **Jim Smith** and **Ottoline Leyser**, and will be held at the **University of Manchester** from **Tuesday 13th April to Friday 16th April**.

The programme will focus on developmental processes that depend on the polarised behaviour of cells, and will cover topics such as asymmetric cell divisions, localised maternal determinants and axis formation; epithelial polarity and morphogenesis; cell migration; and axon guidance.

We hope to include the following invited speakers:

Julie Ahringer (Cambridge)
Friedrich Bonhoeffer (Tübingen)
Andrea Brand (Cambridge)
Colin Brownlee (Portsmouth)
John Chant (Harvard)

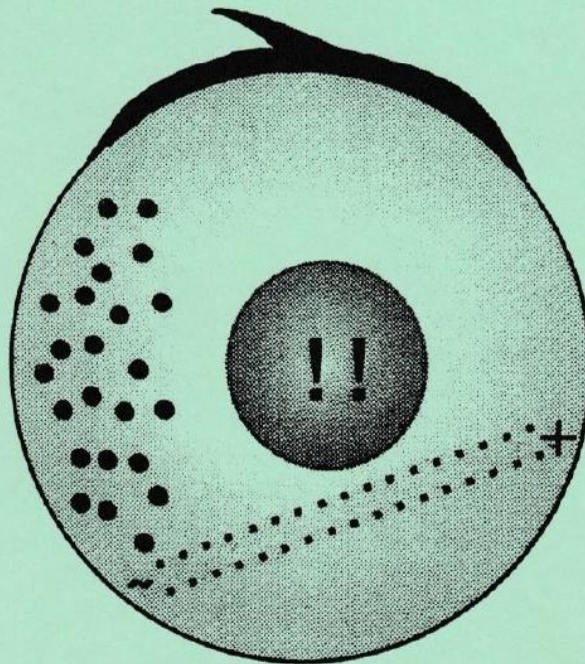
William Chia (Singapore)
Lawrence Etkin (Texas)
Anne Ephrussi (Heidelberg)
Gian Garriga (Berkeley)
Jeff Hardin (Wisconsin)

Martin Hülskamp (Tübingen)
Tony Hyman (Heidelberg)
Tom Jessell (Columbia, NY)
Ken Kemphues (Cornell)
Elizabeth Knust (Dusseldorf)
Mark Krasnow (Stanford)
Ruth Lehmann (New York)
Maria Leptin (Cologne)

Richard Losick (Harvard)
Robert Pruitt (Harvard)
Susan K McConnell (Stanford)
Liz Robertson (Harvard)
Guy Tear (London)
Marc Tessier-Levine (Berkeley)
Eric Wieschaus (Princeton)

SPRING MEETING 1999
14 - 16 APRIL - UNIVERSITY OF MANCHESTER

***CELL POLARITY
and
DEVELOPMENT***



BSDB SPRING MEETING, 1999
CELL POLARITY & DEVELOPMENT

The Registration Form can be found in the 'detachable' Centre Section of the Newsletter.
**** Note: Registration, Payment and Abstract Deadline is 1ST February ****

CELL POLARITY and DEVELOPMENT

Scientific Organisers: **Daniel St. Johnston, Jim Smith, Otteline Leyser**

PROVISIONAL PROGRAMME

Wednesday 14 April

am. Asymmetric divisions and cell fate determination

Richard Losick (Harvard) Sporulation in *Bacillus*.

Ralf-Peter Jensen (ZMBH, Heidelberg) Asymmetric division in Yeast.

Tony Hyman (EMBL, Heidelberg) Asymmetric spindle positioning in *C. elegans*.

Julie Ahringer (Cambridge) Spindle orientation in *C. elegans*.

William Chia (Dundee) *Drosophila* CNS.

pm. Localised determinants and axis formation

Colin Brownlee (Plymouth) *Fucus* axis formation.

Ken Kemphues (Cornell) Germ cell determinants in *C. elegans*.

Anne Ephrussi (EMBL, Heidelberg) Pole plasm in *Drosophila*.

Chris Wylie (Minnesota) Vegetal determinants in *Xenopus*.

Lawrence Etkin (Texas) Germ plasm in *Xenopus*.

Magda Zernicka-Goetz (Cambridge) Axis formation in the mouse.

Thursday 15 April

Cell polarity, morphogenesis and cell migration

Plenary: Eric Wieschaus (Princeton) Gastrulation in *Drosophila*.

Martin Hullskamp (Tubingen) *Arabidopsis* trichome development.

John Chant (Harvard) Yeast polarity.

Jeff Hardin (Wisconsin) Gastrulation in *C. elegans* or sea urchins.

Elizabeth Knust (Dusseldorf) Epithelial cell polarity in *Drosophila*.

Maria Leptin (Cologne) Gastrulation in *Drosophila*.

Ruth Lehmann (New York) Pole cell migration in *Drosophila*.

Mark Krasnow (Stanford) Tracheal cell migration.

Andrea Brand (Cambridge) Cell migration in *Drosophila*.

Friday 16 April

am. Cell migration and guidance

Robert Pruitt (Harvard) Pollen tubes.

Gain Garriga (Berkeley) Axon guidance in *C. elegans*.

Guy Tear (London) Axon guidance in *Drosophila*.

Friedrich Bonhoeffer (Tubingen) Axon guidance in mammals.

Autumn 1999.**‘Craniofacial Morphogenesis’**

This meeting will be organised in **The Institute of Child Health, London** by **Peter Thorogood and Paul Sharpe**, on **12th-16th April**. Further details will appear in the next Newsletter.

Autumn 1999.**‘Craniofacial Morphogenesis’**

This meeting will be organised in memory of **Peter Thorogood** by **Paul Sharpe, Andrew Copp and Patrizia Ferretti**. It will be held at the **Institute of Child Health, London** on **15-17th September**.

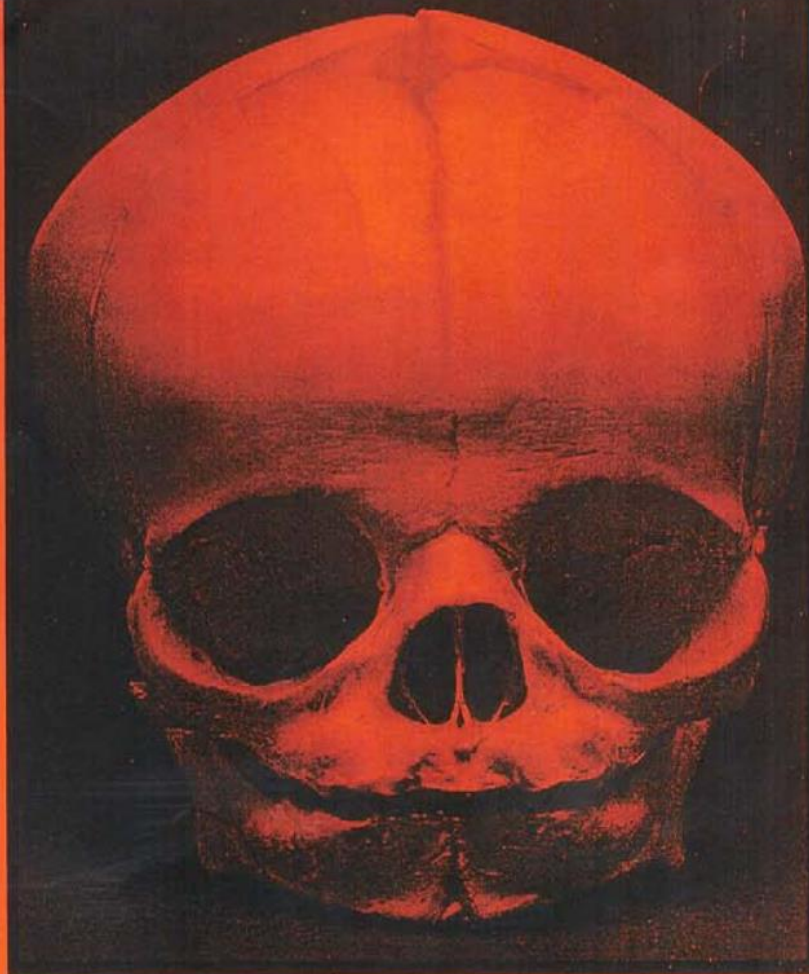
Speakers will include:

Mike Dixon
Philippa Francis-West
Anthony Graham
Jill Helms
Robb Krumlauf
Ivor Mason
Gillian Morriss-Kay

Max Muenke
Jeff Murray
Peter Scambler
Paul Sharpe
Tom Schilling
David Wilkinson

AUTUMN MEETING 1999
15 - 17 September - The Institute of Child Health

***CRANIOFACIAL
MORPHOGENESIS***



BSDB Autumn Meeting 1999
15-17 September at The Institute of Child Health

CRANIOFACIAL MORPHOGENESIS
A meeting in memory of **Peter Thorogood**

Scientific Organisers: **Andrew Copp, Patrizia Ferretti and Paul Sharpe.**

PROGRAMME

Wednesday 15 September

12.00 Registration & Buffet Lunch

1.45 Introduction and Welcome

THE NEURAL CREST Chairperson: Paul Sharpe

- 2.00 **Gillian Morriss-Kay**
Genetic control of the cell proliferation-differentiation balance in the developing skull vault.
- 2.30 **Anthony Graham**
Pharyngeal patterning in the avian embryo.
- 3.00 **Tom Schilling**
The role of the endoderm in craniofacial patterning in zebra fish.

3.30-4.00 Tea

FACIAL PATTERNING Chairperson: Gillian Morriss-Kay

- 4.00 **Jill Helms**
Molecular control of forebrain and craniofacial patterning.
- 4.30 **Philippa Francis-West**
Epithelial-mesenchymal interactions during facial outgrowth and patterning.
- 5.00 **Michael Depew**
Dlx gene regulation of craniofacial patterning.

5.30 onwards Poster Session with Bar and Buffet

Thursday 16 September

TEETH AND THE ORAL CAVITY Chairperson: Patrizia Ferretti

- 9.00 **Paul Sharpe**
Patterning of the dentition
- 9.30 **Frits Meijlink**
Role of aristaless-related genes in pharyngeal arch patterning
- 10.00 **Jeff Murray**
Characterisation of the pitx class homeobox genes in craniofacial development.

10.30-11.00 Coffee

BRAIN PATTERNING Chairperson: Andy Copp

- 11.00 **Marysia Placzek**
Patterning the anterior midline of the vertebrate face.
- 11.30 **Ivor Mason**
Regional specification of midbrain and anterior hindbrain.
- 12.00 **Robb Krumlauf**
Hox genes and the patterning of head development.
- 12.30 **David Wilkinson**
Role of Eph receptors and ephrins in segmental patterning.

1.00-2.00 Lunch

GENETICS Chairperson: Robb Krumlauf

2.00 **Peter Scambler**

Molecular and developmental genetics of the 22q11 deletion syndromes.

2.30 **Mike Dixon**

Towards a molecular understanding of Treacher Collins syndrome

3.00 **Max Muenke**

Holoprosencephaly as a model to study brain development.

3.30-4.00 **Tea**

4.00-6.00 **REMEMBERING PETER THOROGOOD** Chairperson: Cheryll Tickle

Speakers will include:

Richard Hinchliffe, Brian Hall, Andy Copp,

Arthur Wilde, Patrizia Ferretti, Paul Hunt

7.30 **Conference dinner**

Friday 17 September

CRANIOFACIAL EVOLUTION Chairperson: Brian Hall

10.00 **Moya Smith**

Do jaws and teeth evolve together: a case of non co-option of structures from one function to another.

10.30 **Peter Holland**

The origins of craniofacial patterning: insights from protochordates.

11.00-11.30 **Coffee**

11.30 **Shigeru Kuratani**

Configuration of the embryonic mesenchyme and evolution of the vertebrate skull.

12.00 **Jim Hankin**

Evolutionary role of the neural crest in cranial patterning in amphibians.

Lunch and Close of Meeting.

BSDB GRADUATE STUDENT CONFERENCE

The BSDB Committee has decided to conduct an experiment on graduate students, and test the hypothesis that about 80 of them, assembled at **York University on 5th-6th September 1999** will have an enjoyable and instructive time if they are made to listen, talk, drink and network!

The plan is for about 4 sessions, each of which will have 2 talks, a coffee break and parallel seminar sessions in which perhaps 3 students will present papers on the session topic to a small group. There will also be poster sessions and a couple of fun talks (we hope, for example, that Scott Gilbert will be there).

Possible session topics are: evolution of segmentation, branching morphogenesis, cell migration and induction, and the intention is that there will be papers on all the major model systems.

The BSDB will cover all local expenses, but students will be expected to get their travel expenses from their home department.

So that we can gauge possible demand, would any student member of the BSDB who might be interested in attending **please email me [j.bard@ed.ac.uk]** as soon as possible, giving me just their name, address and current year of PG studies.

Jonathan Bard

BSDB GRADUATE STUDENT CONFERENCE

Remember the proposal to hold a graduate student conference?

For various reasons it will not be possible to hold it this autumn!

Further information will appear in the next Newsletter