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SPRING 1997, University of Warwick.

'Genetic Control of Vertebrate Development'

This meeting will be organised by **Nigel Holder, Rosa Beddington,** and **Phil Ingham.** It will be held jointly with the Genetical Society at the University of Warwick from **19th-21st March 1997** inclusive.

The meeting will focus on advances in the dissection of the molecular mechanisms underlying inductive interactions in the vertebrate embryo. New information is likely to derive primarily from genetic screens currently being performed on the zebrafish and from targeted gene mutation in the mouse. These approaches will reveal the players involved in important signalling pathways, but may also allow eventual understanding of functional redundancy. Many of these pathways will be conserved and repeated in various combinations, and the symposium programme is expected to include some work on invertebrates (worms and flies) which relates squarely to the main theme of the meeting.

Further details will appear in the next issue of the Newsletter

Spring 1997, University of Warwick.

'Genetic Control of Vertebrate Development'

This meeting will be organised by **Kathryn Anderson, Rosa Beddington, Nigel Holder,** and **Phil Ingham.** It will be held jointly with the Genetical Society at the **University of Warwick** from **19th-21st March 1997**, inclusive.

The meeting will focus on advances in the dissection of the molecular mechanisms underlying inductive interactions in the vertebrate embryo, but will also include relevant work on invertebrates.

SPEAKERS will include:

K. Anderson
S-L. Ang
R. Beddington
M. Bientz
E. Coen
M. Fishman
D. Duboule
N. Hastie
P. Ingham
C. Kimmel
R. Krumlauf
A. McMahon
E. Meyerowitz
A. Munnich
M. Pankratz
L. Solnica-Kretzal
D. St.Johnston

Further information, including a full programme and registration details, will appear in the next Newsletter.

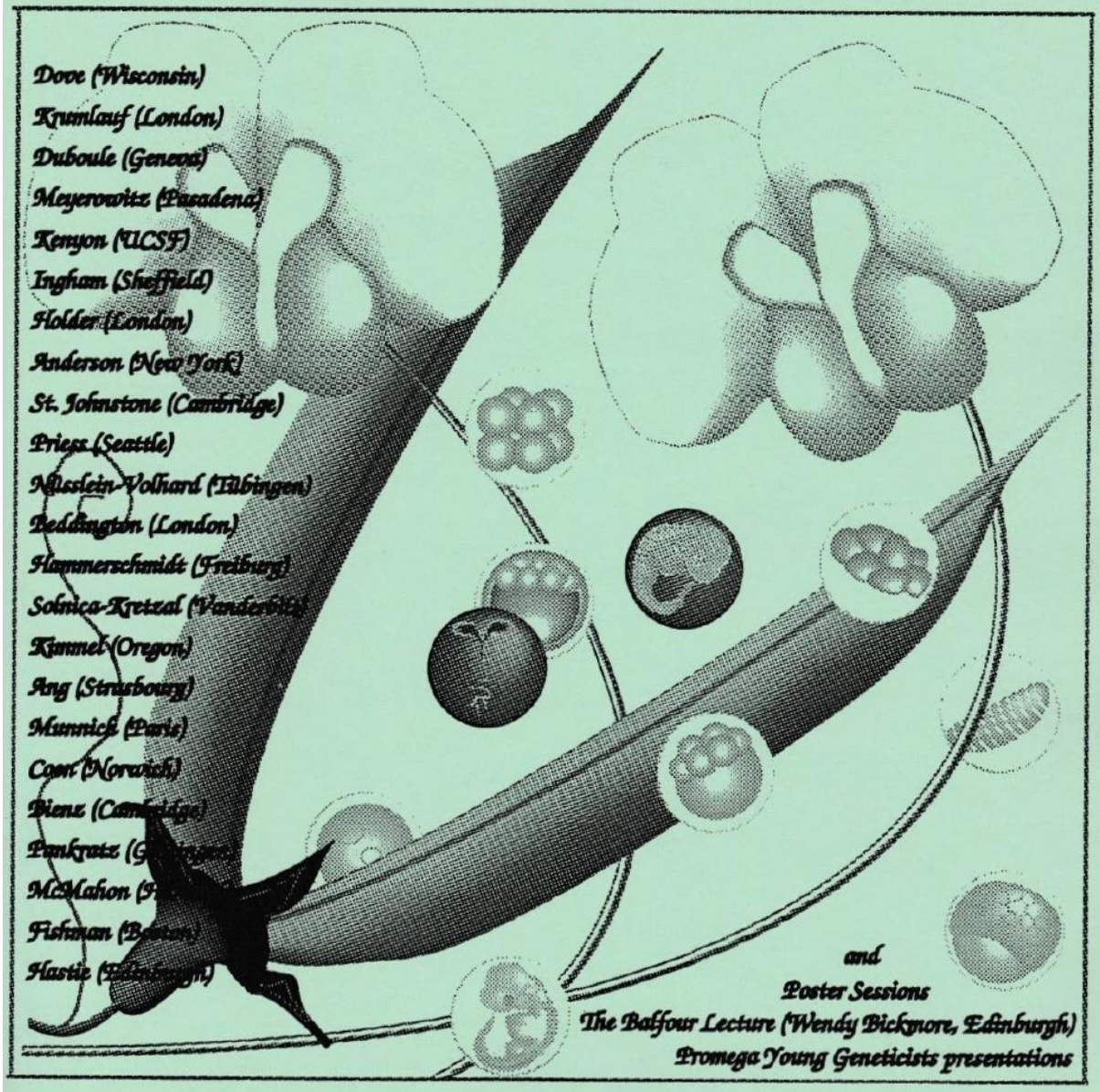
GENETIC CONTROL OF DEVELOPMENT

University of Warwick

The **Registration Form** can be found in the 'detachable' **Centre Section** of the Newsletter. The full scientific programme appears on page 4-5.

SPRING MEETING 1997 with THE GENETICAL SOCIETY
18-21st MARCH - UNIVERSITY OF WARWICK

THE GENETIC CONTROL OF DEVELOPMENT



Spring Meeting: University of Warwick, 19-21 March 1997

'GENETIC CONTROL OF DEVELOPMENT'

Wednesday 19 March

1. GENOME ORGANISATION.
Chair: E.Meyerowitz (Pasedena)

9.00 M.Ashburner (Cambridge): **Lessons from understanding the *Drosophila* genome.**
9.30 W.Dove (Madison): **Phenotype-driven mouse genetics, 1997.**
10.00 C.Nusslein-Volhard (Tubingen)**: Zebrafish genetics.**

10.30 *Tea/coffee.*

11.00 The Balfour Lecture
W.Bickmore (Edinburgh)**: Putting the genome under the microscope.**
12.00 R.Krumlauf (London): **Hox genes and regulation of vertebrate segmentation.**
12.30 D.Duboule (Geneva): **Regulation of Hox gene function in the mouse.**

13.00 *Lunch.*

2. AXIS FORMATION
Chair: N.Holder (London)

14.30 Kathryn Anderson (Berkeley): **Forming the D/V axis in *Drosophila*.**
15.00 D.St.Johnston (Cambridge): **Mechanisms for early axis specification in *Drosophila*.**
15.30 J.Priess (Seattle): **Specification of cell fates in the early *C. elegans* embryo.**

16.00 *Tea/coffee.*

16.30 M.Hammerschmidt (Harvard): **D/V axis formation in zebrafish.**
17.00 R.Beddington (London): **Genes involved in early pattern formation in the mouse embryo.**

Thursday 20 March

3. GENE REGULATION/CELL HERITABLE STATES
Chair: P.Ingham (Sheffield)

9.30 E.Meyerowitz (Pasadena): **Control of cell division and gene expression in developing flowers.**
10.00 C.Kenyon (San Francisco)**: Pc-like genes *in C. elegans*.**

10.30 *Tea/coffee.*

11.00 M.Bienz (Cambridge): **Transcriptional silencing of homeotic genes in *Drosophila*.**
11.30 M.van Lohuizen (Amsterdam): **Role of BM11 as a regulator of lymphoid development and member of a mammalian Polycomb complex.**

12.00 *AGM and lunch*

4. INDUCTION
Chair: R.Beddington (London)

14.00 L.Solnica-Kretzel (Boston): **Genes involved in the specification and morphogenesis of the zebrafish axial mesoderm.**

14.30 C.Kimmel (Eugene): **Mutational studies of embryonic patterning in zebrafish.**
15.00 P.Ingham (Sheffield): **The Hedgehog signalling pathway in vertebrates and invertebrates.**

15.30 *Tea/coffee.*

16.00 S-L.Ang (Strasbourg): **Role of organizer-specific genes in patterning the mouse neural tube.**
16.30 A.Munnich (Paris): **Fibroblast growth factor receptor mutants in humans.**
17.00 Promega Young Scientist Talks:
17.00 A.Moore (MRC HGU, Edinburgh): **New functions of the Wilm's tumour suppressor gene revealed by YAC transgenic analysis.**
17.20 Manchester winner
17.40 Cambridge winner

Friday 21 March

5. ORGANOGENESIS
Chair: K.Anderson (Berkeley)

9.30 E.Coen (Norwich): **Origin of floral asymmetry in *Antirrhinum*.**
10.00 M.Pankratz (Gottingen); **Cell signalling at the ectoderm-endoderm boundary during *Drosophila* gut development.**
10.30 A.McMahon (Harvard): **Cell-cell interactions in the sex-specific development of the reproductive system.**

11.00 *Tea/coffee*

11.30 M.Fishman (Charlestown): **Fashioning heart form and function: genetic steps in zebrafish.**
12.00 N.Hastie (Edinburgh): **Multiple roles for the Wilm's tumour gene, WT1, during organogenesis.**

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Autumn 1997, University of Cambridge.

'Genomic Imprinting and its role in mammalian development and human diseases'

This meeting will be organised in Cambridge by **Anne Ferguson-Smith, Wolf Reik** and **Azim Surani.**

Genomic imprinting confers functional differences on parental genomes in mammals and it results in parent-of-origin-dependent expression of certain, imprinted genes. Understanding of imprinting has advanced greatly since it was previously considered by BSDB (in 1990). This meeting will focus on current work on the developmental role of imprinted genes, on the mechanism of imprinting and the consequences of its failure, and on the evolutionary significance of genomic imprinting.

Further details will appear in the next Newsletter.

Autumn 1997, University of Cambridge.

'Genomic Imprinting: its role in development and disease'

This meeting will be organised in Cambridge by **Anne Ferguson-Smith, Wolf Reik, Paul Schofield** and **Azim Surani**, will be held at Corpus Christi College, University of Cambridge from **4th - 7th September 1997.**

The programme will include talks given by invited speakers, in addition to presentations by graduate students/postdocs selected from the abstracts. There will also be a poster session.

INVITED SPEAKERS include:

D. Barlow (Amsterdam, Netherlands)
N. Brockdorff (London, UK)
B. Cattanach (Didcot, UK)
H. Cedar (Jerusalem, Israel)
A. Feinberg (Baltimore, USA)
B. Horsthemke (Essen, Germany)
F. Ishino (Yokohama, Japan)
R. Jaenisch (Boston, USA)
J. Mann (Duarte, USA)
T. Mukai (Osaka, Japan)
S. Tilghman (Princeton, USA)

Further information, including a full programme and registration details, will appear in the next Newsletter. The deadline for abstracts and registration will be July 4th 1997, but participants are encouraged to register early as the meeting is limited to 150.

Further details and abstract forms can be obtained from:

Mrs Dianne Styles
The Babraham Institute
Cambridge CB2 4AT, UK
(after February 1997)