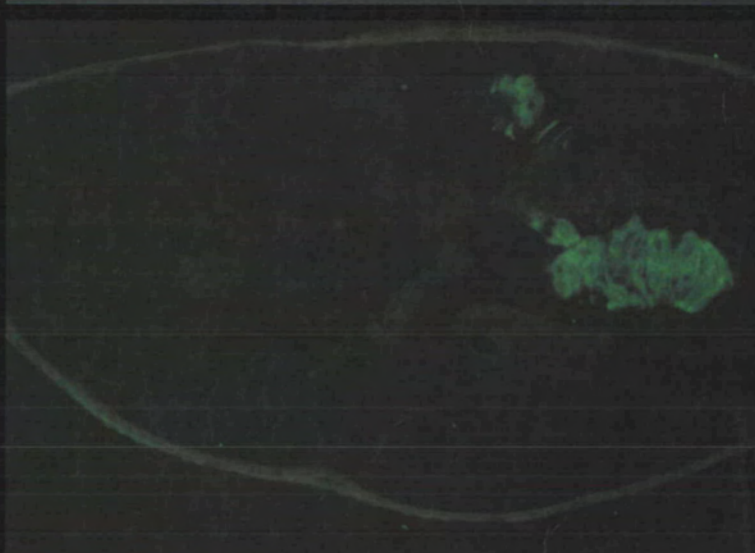
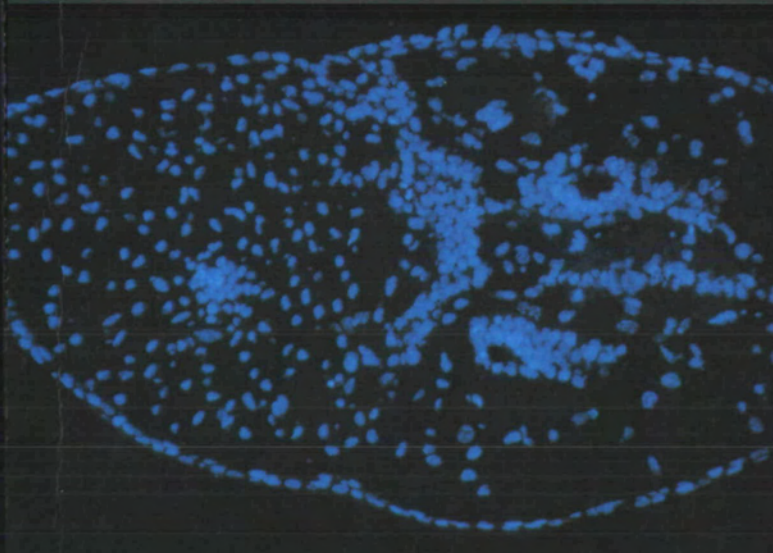


# Development

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Formerly Journal of Embryology and Experimental Morphology

The Company of Biologists Limited

### **Cover photograph**

The effects of a *Xenopus* cell line mesoderm-inducing factor on isolated blastula animal pole tissue. (1) Isolated animal pole regions allowed to develop in the absence of mesoderm-inducing activity form ciliated spheres of epidermis. (2) An animal cap exposed to mesoderm-inducing activity becomes elongated and acquires some internal structure. (3) A section of an induced explant similar to 2, stained with DAPI to show the nuclei. (4) The same section as 3, stained with an antibody to myosin heavy chain, to indicate that muscle (a mesodermal derivative) has formed.

For full details see the paper by J. C. Smith on pages 3–14 of this issue.

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**DEVELOPMENT** (ISSN 0950-1991) is a continuation of *Journal of Embryology and Experimental Morphology* (ISSN 0022-0752).

The aim of **DEVELOPMENT** is to act as a forum for all research that offers a genuine insight into mechanisms of development. *Manuscripts will be considered primarily with respect to this aim.*

Studies on both plant and animal development are welcome and can be focused upon any aspect of the developmental process, at all levels of biological organization from the molecular and cellular to the tissue levels.

Manuscripts can be of any length. Since publication time is short, there is no separate section dealing with short or rapid publications. Authors are asked to ensure that very short papers are nonetheless complete pieces of work. Publication of a paper in this journal implies that authors will make available specialized reagents (for example antibodies, DNA probes) to other scientists in the field who require them for bona fide purposes.

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In 1987 **DEVELOPMENT** will be published in 12 parts, 11 normal issues and 1 casebound Supplement. The 11 normal issues will be in the form of 3 volumes, two of 4 parts and one of 3 parts. In 1987 the Supplement will be 'The Mammalian Y Chromosome: Molecular Search for the Sex Determining Gene', edited by P. Goodfellow, J. Wolfe and I. Craig. The prices for 1987 are £210.00 (UK) US\$525.00 (USA and Canada) £235.00 (Japan). There are reduced subscriptions for members of the BSCB, BSDB and SEB (£35, \$65) and for individual use only (£50, \$75). These prices include postage and packing. Orders for 1987 should be sent to The Biochemical Society Book Depot, PO Box 32, Commerce Way, Colchester, CO2 8HP, UK or to your normal agent or bookseller. Orders must be accompanied by payment. Copies of the journal for subscribers in the USA and Canada are sent by air to New York for delivery with the minimum delay (second class postage paid at Rahway, NJ and at additional mailing offices).

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LAWRENCE, P. A. & JOHNSTON, P. (1982). Cell lineage of the *Drosophila* abdomen: the epidermis, oenocytes and ventral muscles. *J. Embryol. exp. Morph.* 72, 197–208.

ROSSANT, J. (1977). Cell commitment in early rodent development. In *Development in Mammals*, vol. 2 (ed. M. H. Johnson), pp. 119–150. Amsterdam: North Holland.

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# BSCB SPRING MEETING

University of Oxford 23–26 March 1987

## General information

The BSCB and the BSDB will again hold their Spring Meetings concurrently, all sessions being open to members of either society.

### *Conference organizers*

Gillian Morriss-Kay, Peter Newell, Nigel Holder, Clive Lloyd.

## PRINCIPAL TOPICS

### ***Cell Behaviour: Shape, Adhesion and Motility***

(The 2nd Abercrombie Conference). This will be the BSCB/The Company of Biologists Limited main symposium.

*Organizers:* Adam Middleton, Joan Heaysman and Fiona Watt.

There will be *concurrent* BSCB symposia:

1. ***Junctions*** organized by Nancy Lane, with an evening workshop.
2. ***The Nucleus*** organized by David Lane.
3. ***Thresholds*** organized by Lewis Wolpert.

Participants include:

### ***Cell behaviour:***

Oster (Berkeley), Vasiliev (Moscow), Ireland (Oxford), Dow (Glasgow), Dunn (London), Wilkinson (Glasgow), Harris (North Carolina), Schor (Manchester), Mareel (Ghent), Parish (Zurich), Thorogood (Southampton), Keller (Berkeley), Kucera (Lausanne), Wylie (London), Morriss-Kay (Oxford), Grinnell (Texas), Burridge (North Carolina), Buck (Philadelphia), Hughes (London), Geiger (Rehovot), Ben-Ze'ev (Rehovot), Spiegelman (Boston), Watt (London), Mauchamp (Marseille), Bissell (Berkeley)

### ***Junctions:***

M. S. Steinberg, D. Garrod, B. R. Stevenson, B. Kachar, D. L. Paul, M. Finbow and N. J. Lane

### ***The Nucleus***

U. K. Laemmli, W. Franke, W. Richardson, C. Dingwall, D. Glover, G. Evan, S. Dilworth and G. Foulkes

### ***Thresholds***

P. Nurse, T. Michison, D. Noble, A. Goldbeter and K. Nasmyth

## Posters

There will be a poster session during the meeting

*Applications to* Dr G. Morriss-Kay, Department of Human Anatomy, South Parks Road, Oxford, OX1 3QX.

Closing date 28 January. It may be possible to book after this date but a late booking fee will be charged.

# **BSDB**

## **SYMPOSIUM MEETING — SPRING 1987 Oxford 24–25 March**

### **The Mammalian Y Chromosome: Molecular Search for the Sex Determining Gene**

Organized by P. Goodfellow, J. Wolfe and I. Craig  
in conjunction with BSDB and  
The Company of Biologists Limited

The meeting will consider the rapid progress that is being made towards cloning the male sex determining (TDF) gene and elucidating its mode of action

#### **Participants include:**

R. Nothiger (Zurich)	C. Bishop (Paris)	L. Simpson (London)
J. Hodgkin (Cambridge)	K. Jones (Edinburgh)	P. Burgoyne (London)
M. Lyon (Didcot)	K. Smith (Baltimore)	P. Goodfellow (London)
E. Eicher (Bar Harbor)	H. Cooke (Edinburgh)	I. Craig (Oxford)
D. Page (Boston)	C. Tyler-Smith (Oxford)	J. Wolfe (London)
M. Fellous (Paris)	J. Weissenbach (Paris)	E. Southern (Oxford)
M. Ferguson-Smith (Glasgow)	P. Avner (Paris)	A. McLaren (London)
C. Pritchard (London)	A. de la Chapelle (Helsinki)	

Those wishing to attend should write to the local secretary: Dr G. Morriss-Kay, Department of Human Anatomy, South Parks Road, Oxford, OX1 3QX.

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#### **Preliminary announcements**

##### *Autumn Discussion Meeting in Durham, 16–18 September 1987*

Topics: A joint meeting with the Feto-maternal Immunology Group to cover the maternal-fetal interface. PLUS a major session on Developmental Immunobiology of *Xenopus* with an international list of speakers.

*Autumn Symposium Meeting in Bath* in conjunction with The COB Craniofacial Development, 21–23 September 1987. Organized by P. Thorogood and C. Tickle, this meeting will examine the repertoire of cell behaviour and tissue properties which are important in development of the craniofacial region.

Further information about BSDB Meetings can be obtained from Dr N. Holder, BSDB Meetings Secretary, Department of Anatomy & Human Biology, King's College London, Strand, London WC2R 2LS.