

British Society for Development Biology

LEICESTER MEETING

13th — 15th JULY 1971

The 22nd meeting of the Society will take place at the University of Leicester on 13th-15th July, 1971. The main sessions will be concerned with 'Aspects of cell differentiation in plants and animals'. There will also be contributions concerned with the teaching of Developmental Biology. On Tuesday evening (13th July) there will be an informal discussion on support for research in Developmental Biology.

The meeting, including the Annual General Meeting, will be held on the main site of the University in the Bennett Lecture Theatre No. 2. Demonstrations will be in a laboratory on the ground floor of the School of Biological Sciences (Adrian Building).

All those with an interest in Developmental Biology are invited to attend the meeting. Those who are not members of the Society are asked to pay a conference fee of 50p; this does not apply to members-elect or to members of the host University. Coffee and Tea will be available close to the lecture theatre at an overall charge for the meeting of 50p. A booking form is enclosed for registration, accommodation, meals and transport. This form should be returned to the local secretary, Dr. Jennifer Dee, Department of Genetics, School of Biology, Adrian Building, University of Leicester, Leicester, LE1 7RH, before Friday, 18th June.

Accommodation. Accommodation will be available at Gilbert Murray Hall, Manor Road, which is about 2½ miles from the main site.

Visitors are requested to bring soap and towels.

Meals. Dinner will be available at Gilbert Murray Hall at 7.00 p.m. on the evenings of July 13th and 15th. The Conference Dinner will be held at the Hall on July 14th at 7.30 p.m. A sherry reception will be held at 6.45 p.m. at the invitation of the University of Leicester. A bar will open at the Hall each evening until 10.30 p.m. Lunch will be available at the main site.

Transport. Maps showing the position of Gilbert Murray Hall and the buildings on the main site will be sent on receipt of the booking form. There is adequate parking space at the Hall and at the main site. People arriving by train are advised to walk to the main site (about 10 minutes) or take a taxi to Gilbert Murray Hall.

Please specify your means of transport on the booking form. A bus will be provided for transport between the Hall and the main site.

PROGRAMME

Tuesday, 13th July

1.00 LUNCH.

Session 1

Chairman: Dr. J. McKenzie

- 2.00 J. COHEN (Department of Zoology, Birmingham).
Fishes and worms, "easy" organisms for the teaching of embryology.
- 2.30 D. TARIN, KAY SCOTT and J. A. SHARP (Department of Anatomy, Leeds).
Time-lapse cinematographic study of gastrulation and neurulation in the amphibian embryo (*Xenopus laevis*).
- 2.50 G. DARBYSHIRE and LOUIE HAMILTON (Department of Biology Applied to Medicine, Middlesex Hospital Medical School).
Ciné films of two class operations on Amphibian embryos.
- 3.15 LOUIE HAMILTON and F.T.C. HARRIS (Department of Biology Applied to Medicine, Middlesex Hospital Medical School).
Multiple choice questions in the teaching and assessment of Developmental Biology.
- 3.45 GAYE MANWARING (Departments of Zoology and Education, Glasgow).
The Inter-University Teaching Project in Development Biology.
- 4.15 TEA
- 4.30 — 6.00 DEMONSTRATIONS
- GAYE MANWARING The Inter-University Teaching Project.
- T. E. THOMPSON (Department of Zoology, Bristol).
Video tapes for teaching: 'The Metazoan Egg', 'Metazoan Spermatozoa'.
- S. TURNER and C. HERBERT (Department of Biology Portsmouth).
'The micro-anatomy and histology of Amphibian metamorphosis'.
- 8.00 Approx. An informal discussion on 'Support for Research in Developmental Biology'. Introduced by Professor D. R. Newth. At Gilbert Murray Hall.

Wednesday, 14th July

Session 2

Chairman: Dr. F. A. L. Clowes

- 9.30 H. E. STREET (Botanical Laboratories, School of Biological Sciences, Leicester).
The cell cycle in cultured plant cells.
- 10.10 J. M. ASHWORTH (Department of Biochemistry, School of Biological Sciences, Leicester).
Biochemical changes associated with cell differentiation in the cellular slime mould *Dictyos-
telium discoideum*.
- 10.50 COFFEE
- 11.30 P. W. BARLOW (Department of Zoology, Oxford).
Nucleic acid synthesis in the apical meristem of Maize.
- 12.10 N. SUNDERLAND (John Innes Institute).
In vitro production of haploid plants from pollen grains.
- 1.00 LUNCH

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Session 5

Chairman: Dr. D. R. Hinchcliffe

- 11.20 J. MCKENZIE (Department of Embryology, Aberdeen).
Myoblast/fibroblast relationships in mixed cultures.
- 11.40 M. J. O'HARE (Chester Beatty Research Institute, London).
Maintenance of differentiated function in primary and clonal cultures of rat adrenocortical cells.
- 12.10 M. EVANS (Department of Anatomy, University College, London).
Tissue culture of a clonal line of pluripotent stem cells from a mouse teratocarcinoma—a system from the study of cell determination.
- 12.30 ANNUAL GENERAL MEETING ELECTION OF NEW MEMBERS
- 1.00 LUNCH
- 2.15 D. M. HUNT and D. R. JOHNSON (Department of Animal Genetics, University College, London).
Aromatic amino acid metabolism in brindled (Mo^{br}) and viable-brindled (Mo^{vbr}) two alleles at the mottled locus in the mouse.
- 2.35 D. R. JOHNSON and D. M. HUNT (Department of Animal Genetics, University College, London).
Abnormal spermiogenesis in pink-eyed sterile mice.
- 2.55 D. TARIN (Department of Anatomy, Leeds).
Scanning electron microscopy of the embryonic surface in *Xenopus laevis*.
- 3.15 F. S. BILLETT and T. C. COURTENAY (Department of Zoology, Southampton).
Ciliogenesis in the embryonic epidermis of Axolotls — a stereoscan study.
- 3.35 J. COHEN (Department of Zoology, Birmingham).
Why so many embryos?
- 4.15 TEA

Future Meetings

British Society for Cell Biology

Bristol, 15th-17th September, 1971

A symposium on 'Entry into Division', papers of general interest and a 'Workshop' discussion on the techniques used in Time-lapse Cinematography. For further information contact Dr. Jeffrey Boss, Department of Veterinary Science, University of Bristol, Park Row, Bristol BS1 5LS.

British Society for Developmental Biology

London, 3rd-5th January, 1972

The 23rd meeting of the Society will be held at University College London, on Monday 3rd and Tuesday 4th January, 1972

Following the main meeting of the Society a one-day workshop on the 'Ontogeny and Phylogeny of the Immune Response', will be held on Wednesday, 5th January, 1972, at University College London. This workshop will be sponsored jointly with the British Society for Immunology. The primary aim of this meeting will be to bring together immunologists and biologists who are working on some aspect of the subject, as well as those with only an academic interest. Anyone who would like to attend this meeting should contact Dr. J. B. Solomon, Department of Bacteriology, The University, Aberdeen, AB9 2ZD.

For details about membership and future meetings of the British Society for Developmental Biology please write to the Hon. Sec. Dr. F. S. Billett, Department of Zoology, the University, Southampton SO9 5NH.