

# British Society for Developmental Biology

LONDON MEETING

JANUARY 4th-5th 1971

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The twentieth meeting of the Society for Developmental Biology will be held at the London Hospital Medical College on Monday 4th and Tuesday 5th January, 1971. A major topic of the meeting will be maternal-foetal relationships: the majority of papers will be relevant to this subject. There will also be papers of general interest to developmental biologists.

Papers will be read in the College Hall and Demonstrations presented in the Recreation Room. The locations of these rooms are shown on the enclosed map.

**Accommodation.** A limited amount of accommodation will be available at Astor College (from 3rd to 5th January) and at Commonwealth Hall. Although both places are some distance from the London Medical College they can be reached fairly quickly by underground train. Reservations for accommodation at Astor College should be made by writing directly to the Bursar, Miss Boucher, Astor College, Middlesex Hospital Medical School, Cleveland Street, London W1P 1LD. (The charge is 37s 6d for bed and breakfast, payable on arrival). Reservations for Commonwealth Hall should also be made directly to the Bursar, Miss Banks, Commonwealth Hall, Cartwright Gardens, London, W.C.1. (The charge is 40s for bed and breakfast, payable in advance).

**Meals and Refreshments.** Lunch will be available at the Students Union Refectory in Stepney Way. Coffee and Tea will be served in the Recreation Room. There will be an overall charge of 10s to cover the cost of coffee and tea and to contribute to some of the facilities provided at the meeting. Non-members are asked to pay 20s. A Dinner will be held at the Blizard Club in the College, on Monday 4th January at 6.45 for 7.15 p.m. The charge will be 50s including wines and service. A booking form is enclosed and should be returned to Dr. F. Beck, Department of Anatomy and Histology, London Hospital Medical College, Turner Street, London E.1.

**Application for membership.** The following have applied, and are eligible, for membership of the Society. They will be proposed for membership during the course of the meeting.

Dr. Mary Champion, Department of Biology, Keele.

Mr. M. J. Dunn, Department of Zoology, Edinburgh.

Professor J. L. Hancock, The Royal Veterinary College, London.

Mrs Jean Fisher, Experimental Pathology Unit, Newcastle.

*Hon. Secretary* DR. F. S. BILLETT,

Department of Zoology,  
The University,  
Southampton SO9 5NH.

## PROGRAMME

Monday, 4th January

10.30 COFFEE

### Session 1

Chairman: Dr. M. Balls.

- 11.00 K. AL-MUKHTAR and A. C. WEBB (Department of Zoology, Southampton).  
An ultrastructural study of the primordial germ cells, oogonia and early oocytes in *Xenopus laevis*.
- 11.30 R. M. CLAYTON, D.E.S. TRUMAN, J. C. CAMPBELL and T. C. McKELVIE (Institute of Animal Genetics, Edinburgh).  
Differential changes in the stability of messenger RNAs for structural proteins of the developing lens.
- 12.00 D. P. CHOPRA and J. D. SIMNETT (Department of Pathology, Newcastle).  
Changes in the rate of cell division in the kidney of *Xenopus* embryos implanted into metamorphosed nephrectomized hosts.
- 12.30 J. M. FISHER and J. D. SIMNETT (Department of Pathology, Newcastle).  
The effect of mitotic inhibitors on cell division in cultures of foetal and immature mammalian organs.

1.15 LUNCH

### Session 2

Chairman: Dr. A. E. Wild

- 2.15 J. LOWE (Department of Anatomy and Histology, London Hospital Medical College).  
Factors regulating the invasiveness of mouse trophoblast.
- 2.45 P. F. FLOOD (School of Veterinary Science, Bristol).  
The histogenesis and pattern of occurrence of the necrotic tips of the pig allantochorion.
- 3.15 GILLIAN MORRISS (Department of Anatomy, Cambridge).  
The effects of maternal hypervitaminosis A on early post-implantation development in the rat.
- 3.45 TEA
- 4.15 J. F. TUCKER (Department of Pharmacology, Guy's Hospital Medical School).  
Factors governing placental transfer in the rabbit.
- 4.45 ELIZABETH KIDSTON (Department of Anatomy and Histology, London Hospital Medical College).  
The teratogenic effects of aurothiomalate.
- 5.15 A. B. G. LANSDOWN (British Industrial Biological Research Organization).  
Histological observations on salicylate-induced skeletal deformities in avian and rat fetuses.
- 6.00 COMMITTEE MEETING
- 6.45 for 7.15 DINNER

**Tuesday 5th January**

9.30 — 11.00 DEMONSTRATIONS

10.30 COFFEE

**Session 3**

**Chairman: Dr. F. Beck**

- 11.00 D. R. JOHNSON (Department of Animal Genetics, University College, London).  
Control of amniotic fluid volume; contributions of maternal and foetal genotypes.
- 11.30 D. PAULINE ALEXANDER, H. G. BRITON, MARY L. FORSLING, D. A. NIXON and T. G. RATCLIFFE (Department of Physiology, St. Mary's Hospital Medical School and Department of Chemical Pathology, St. Bartholomews Hospital Medical College).  
Release of sheep foetal hormones (ACTH and vasopressin) in response to haemorrhage.
- 11.50 J. DENT, P. T. McGOVERN and J. L. HANCOCK (Department of Anatomy, Royal Veterinary College, London).  
The ultrastructure of the placentae of goat X sheep hybrids.
- 12.20 B. SOLOMON, J. INGLIS, J. LEIPER and D. WHYTE (Departments of Bacteriology and Zoology, Aberdeen).  
The onset of immunocompetence in Rodentia: age equivalence and suppression by maternal antibody.

1.00 Election of new members.

1.15 LUNCH

**Session 4**

**Chairman: Dr. D. Billington**

- 2.15 ANNE McLAREN (Institute of Animal Genetics, Edinburgh).  
Embryo-uterus interactions during implantation in the mouse.
- 2.45 T. W. GLENISTER (Department of Anatomy, Charing Cross Hospital Medical College).  
An assessment of the role of organ culture in the investigation of implantation.
- 3.00 C. M. HETHERINGTON and ANN CLARKE (Clinical Research Centre, Harrow).  
The effect of genetic differences on maternal-foetal relationships in the mouse.
- 3.30 TEA
- 4.00 P. CURZEN (Obstetric Unit, Westminster Medical School).  
Some immunological aspects of human pregnancy.
- 4.30 K. D. BAGSHAW (Edgar Laboratories, Charing Cross Hospital—Fulham Branch).  
Blood groups in patients with trophoblastic tumours.