

Society for Developmental Biology

LONDON MEETING 2nd-3rd JANUARY 1969

The fourteenth meeting of the Society will be held at St. Mary's Hospital Medical School, on Thursday, 2nd and Friday, 3rd January, 1969. The majority of papers will be devoted to aspects of Foetal Physiology and Growth. Papers will be read in a lecture theatre of the Physics Department.

Accommodation. For members wishing to stay overnight in London a limited amount of accommodation will be available at Astor College of the *Middlesex Hospital Medical School*. Any member who wishes to take advantage of this should write directly to the Warden (Miss Boucher) at Astor College, Middlesex Hospital Medical School, Charlotte Street, London, W1P 1LD. Please mention your connection with the Society.

Dinner. A Society Dinner will be held in the Staff Dining Room at the St. Mary's Hospital Medical School at 6.30 (for 7 p.m.) on Friday, 3rd January. The charge will be 35/- including wine. Please book for dinner on the enclosed form at least a week in advance otherwise a place may not be available.

Lunch will be available at the Medical School on Friday. **Tea and Coffee** will be provided by the Medical School and members and guests will be asked to pay an overall charge of two shillings to help cover the cost.

How to get there. The nearest Railway Station to St. Mary's Hospital Medical School is Paddington (British Railways, Metropolitan, Circle, and Bakerloo Lines). Bus Routes 7, 15, 27, 36. The Medical School is in Norfolk Place, a turning (N) out of Praed Street. After passing under a bridge connecting the Hospital and the Wright Flemming Institute the Medical School entrance will be seen on the right, opposite the main Hospital entrance.

The Local Secretary for the meeting is Dr. Alan Fisk, Department of Biology, St. Mary's Hospital Medical School, Paddington, London, W.2.

Applications for membership. The following have applied for and are eligible for membership of the Society. They will be formally proposed for membership during the course of the meeting:

- D. N. Butcher (Department of Botany, University of Glasgow),
- J. K. Burns (Department of Physiology, University College, Galway),
- W. R. Branch (Department of Zoology, University of Southampton),
- D. F. Ewart (Department of Anatomy, University of Aberdeen),
- D. R. Johnson (Department of Animal Genetics, University College, London),
- D. F. Matheson (Institute of Neurology, London),
- J. M. S. Hutchinson (Department of Metabolic Diseases, St. Thomas's Hospital Medical School),
- Yvette King (Department of Zoology, University College, Dublin),
- A. Sann (Department of Anatomy, University of Aberdeen),
- M. Stanistreet (Department of Anatomy, University of Bristol),
- J. A. Witkowski (M.R.C., London),
- C. C. Wylie (Department of Anatomy and Embryology, University College, London).

PROGRAMME

Thursday, 2nd January

Session 1

Chairman: Professor R. Creese

- 2.00 Demonstration film on the perfusion of the sheep foetus. Introduced by D. A. NIXON (Department of Physiology, St. Mary's Hospital Medical School).
- 2.30 PAULINE ALEXANDER, H. G. BRITTON, N. M. COHEN, D. A. NIXON and R. A. PARKER (Departments of Physiology and Pathology, St. Mary's Hospital Medical School and Department of Medicine, Guy's Hospital Medical School).
Insulin in the sheep foetus.
- 3.00 J. K. BURNS (Department of Physiology, University College, Galway).
A neuroendocrine cycle in the genesis of human congenital distress.
- 3.30 S. L. GALBRAITH (Department of Anatomy, University of Glasgow).
The functional significance of the mesangium in the mesonephric glomerulus of the larva of *Rana catesbeiana*.
- 4.00 TEA.
- 4.30 R. M. WILLIAMS (Department of Anatomy and Histology, The London Hospital Medical School).
Pinocytosis and hydrolytic enzyme activity within the foetal and neonate mammalian small intestine.
- 5.00 A. E. WILD (Department of Zoology, University of Southampton).
Protein transmission across the rabbit foetal membrane—a comparison of direct fluorescent labelling and the fluorescent antibody technique.
- 6.00 COMMITTEE MEETING (At the Middlesex Hospital Medical School).

Friday, 3rd January

Session 2

The Foetal Lung

Chairman: Professor K. W. Cross

- 9.45 LYNNE REID (Institute of Diseases of the Chest, London).
New aspects of lung development.
- 10.20 L. B. STRANG (Department of Paediatrics, University College Hospital).
Liquids in the foetal lung.
- 10.55 COFFEE.
- 11.20 G. S. DAWES (Nuffield Institute for Medical Research, Oxford).
Regulation of the pulmonary and systematic circulation in the foetus.
- 11.55 M. J. PURVIS (Department of Physiology, Bristol).
The onset of respiration at birth.
- 12.30 M. E. ABRAMS (Department of Medicine, Guy's Hospital Medical School).
Surface tension and the lung.
- 1.00 LUNCH.

Friday, 3rd January

Session 3

Chairman: Dr. A. E. Needham

- 2.00 ELECTION OF NEW MEMBERS.
- 2.15 W. A. MARSHALL (Institute of Child Health, London).
Variations in Human puberty.
- 2.45 F. C. T. HARRIS (Department of Biology, Middlesex Hospital Medical School).
Growth curve studies on Wistar rats.
- 3.15 J. W. T. DICKERSON (Department of Biochemistry, University of Surrey).
Some effects of undernutrition on the growth and development of mammals.
- 3.45 J. G. BEARN (Department of Anatomy, Middlesex Hospital Medical School).
The foetal pituitary and growth.
- 4.15 TEA.
- 4.45 D. R. GARROD (Department of Biology, Middlesex Hospital Medical School).
Changes in cellular adhesiveness correlated with a change in surface charge density in the
slime mould, *Dictyostelium discoideum*.
- 5.15 J. MACKENZIE (Department of Anatomy, Marischal College, Aberdeen).
The treatment of chick embryo fibroblasts with RNA.
- 7.00 DINNER.

The Society for Developmental Biology

The Society was founded in January 1964 as a successor to the London based Embryologists club. It holds regular scientific meetings, usually three each year, at which offered papers are read to members. Apart from sessions devoted to general contributions most meetings include sessions on special topics of particular interest to developmental biologists. Suggestions for such topics, comments and ideas in general concerning the running of the Society and the organization of its meetings are welcome.

Future Meetings

Edinburgh, March 26th–28th, 1969. Joint meeting with the Genetical Society.

Newcastle, July 24th–25th, 1969. Annual General Meeting. Symposium on 'Malignant Growth and Its Relation to Growth and Differentiation in Normal Tissues'.

Hon. Secretary: F. S. BILLET,
Department of Zoology,
The University,
Southampton. SO9 5NH.