

# *Society for Developmental Biology*

NEWCASTLE MEETING 24th-25th JULY 1969

---

The sixteenth meeting of the Society will be held in the Royal Victoria Infirmary, Newcastle-upon-Tyne, on Thursday, 24th and Friday, 25th July, 1969. The main sessions of the meeting will be devoted to a symposium on 'Malignant Growth and its Relation to Growth and Differentiation in Normal Tissues'.

The meeting will take place in the New Lecture Theatre and Demonstrations will be shown in the adjacent Seminar rooms.

**Accommodation, Meals and Refreshments.** Overnight accommodation will be available at the Havelock Hall, Castle Leazes. Lunch will be available at the Hall on Thursday and Friday. A Dinner will be held in the Hall at 7.00 for 7.30 p.m., on Thursday, 24th July. Coffee and tea will be provided in the Students' Common Room at the Royal Victoria Infirmary. If you wish to reserve accommodation and meals please complete the enclosed form and send it to the local secretary, Dr. John Simnett, Department of Pathology, Royal Victoria Infirmary, Newcastle-upon-Tyne, NE1 4LP, by 16th July.

**Transport.** People arriving by train can take a No. 8 bus from Bewick Street to Queen Victoria Road (for the Royal Infirmary) or to Spital Tongues (for Havelock Hall). The Hall is 10 minutes walk from the Infirmary. Limited car parking space will be available at the Hall. Parking space will be provided at the Infirmary in the Richardson Road car park. For directions enquire at the main entrance.

**Applications for Membership.** The following have applied and are eligible for membership of the Society. They will be formally proposed for membership during the course of the Annual General Meeting.

Miss A. Bateman (School of Biology, Sussex).  
Mr. D. Grierson (Department of Botany, Edinburgh),  
Miss J. Hornby (Department of Zoology, Reading),  
Mr. A. Kelly (Department of Anatomy, Bristol),  
Mr. C. Lane (Department of Zoology, Oxford),  
Dr. R. G. Lendon (Children's Hospital, Sheffield),  
Dr. C. Margoles (Department of Pathology, Maida Vale Hospital),  
Dr. E. McFarlane (Tobacco Research Council Laboratories, Harrogate),  
Dr. R. G. Tarbutt (School of Biology, Sussex).

## **Future Meetings of the Society**

**London, 5th-6th January, 1970.** At the Middlesex Hospital Medical School.

**Cambridge, 3rd-4th April, 1970.** At the University.

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

## PROGRAMME

Thursday, 24th July

### Session 1

Chairman: Professor A. G. Heppleston

- 10.00 D. W. SMITHERS (Royal Marsden Hospital, Sutton).  
Some clinical evidence for spontaneous growth control in tumours.
- 10.45 COFFEE.
- 11.15 D. R. S. KIRBY (Department of Zoology, Oxford).  
The normal trophoblast—malignant characteristics.
- 11.45 K. BAGSHAWE (Edgar and Tenovus Laboratories, Fulham Hospital, Hammersmith).  
The malignant trophoblast—normal characteristics.
- 12.15 J. M. MCLEAN (Department of Anatomy, Newcastle-upon-Tyne).  
Studies on the uterus as an 'immunologically privileged site'.
- 12.35 D. TARIN (Department of Anatomy, Leeds).  
Tissue interactions in carcinogenesis.
- 1.00 LUNCH.

### Session 2

Chairman: Dr. Michael Balls

- 2.30 L. N. RUBENS (Reed College, Portland, Oregon).  
Amphibian cancer in relation to normal development.  
(British Empire Cancer Campaign Lecture).
- 3.15 R. A. WEISS (Department of Anatomy, University College, London), and  
P. VESELY (Institute of Experimental Biology and Genetics, Prague).  
Interactions between normal and malignantly transformed cells in culture.
- 3.45 TEA.
- 4.20 A. J. INGRAM (Department of Zoology, Southampton).  
The cellular reaction to carcinogens in the epidermis and underlying tissues of the Axolotl.
- 4.40 R. J. GOLDACRE (Chester Beatty Research Institute, London).  
Some aspects of feedback in normal morphogenesis and cancer.
- 5.10 P. W. BARLOW (Paediatric Research Unit, Guy's Hospital Medical School), and  
B. E. JUNIPER (Botany School, Oxford).  
Intercellular communication and its possible role in cellular differentiation.
- 5.30 DEMONSTRATIONS.
- 6.00 COMMITTEE MEETING.
- 7.00 for 7.30 DINNER.

**Friday, 25th July**

- 9.30 ANNUAL GENERAL MEETING.  
10.00 DEMONSTRATIONS.  
10.30 COFFEE.

**Session 3**

**Chairman: Dr. John D. Simnett**

- 11.00 L. F. LAMERTON (Department of Biophysics, Institute of Cancer Research, Sutton).  
Cell population kinetics and homeostasis.  
11.35 G. G. STEEL (Department of Biophysics, Institute of Cancer Research, Sutton).  
Cell population kinetics and the growth rate of tumours.  
12.10 M. E. WHISSON (Chester Beatty Research Institute, London).  
Differentiation and carcinogenesis in terms of organelle ecology.  
12.35 J. DICKSON (Department of Clinical Biochemistry, Newcastle-upon-Tyne).  
Inhibition of proliferation in cancer cells.  
1.00 LUNCH.

**Session 4**

**Chairman: Professor D. R. Newth**

- 2.30 W. S. BULLOUGH (Department of Zoology, Birkbeck College, London).  
The common features of tissues and tumours.  
3.15 D. P. CHOPRA, J. M. FISHER and J. D. SIMNETT (Department of Pathology, Newcastle-upon-Tyne).  
The control of cell division in embryonic and mature organs.  
3.40 J. J. JEPHCOTT and A. D. HALLY (Department of Anatomy, Newcastle-upon-Tyne).  
The effect of functional stimulus on compensatory growth of the avian salt gland.  
4.00 TEA.  
4.30 J. R. FARNDON (Department of Anatomy, Newcastle-upon-Tyne).  
Studies on calcium homeostasis and parathyroid development in the chick embryo.  
4.45 R. W. GRAHAM (Department of Anatomy, Newcastle-upon-Tyne).  
Studies of plasma total calcium in the foetal guinea pig.  
5.05 J. E. BELL and V. A. REECE (Department of Anatomy, Newcastle-upon-Tyne).  
Effects of intracoelomic grafts of parathyroid gland on the growth of the embryonic chick parathyroid.  
5.25 R. J. SCOTHORNE and B. MCFARLANE (Department of Anatomy, Newcastle-upon-Tyne).  
Correlated experimental and electron microscope studies of the developing parathyroid gland in the sheep embryo.