

THE NETHERLANDS SOCIETY FOR DEVELOPMENTAL BIOLOGY

is pleased to invite members of

THE BRITISH SOCIETY FOR DEVELOPMENTAL BIOLOGY

and its own members to a

JOINT MEETING

to be held at the 'Leeuwenhorst' Congress Centre, Noordwijkerhout
(near Leiden), Netherlands on 9th, 10th and 11th April 1975.

PROGRAMME

Wednesday, 9th April

MORNING	Section 1: The cell cycle in development. Section 2: Cellular interactions in embryogenesis and morphogenesis.
AFTERNOON	Section 2: (continued)
EVENING	Ethical aspects of developmental biological problems.

Thursday, 10th April

MORNING	Section 2: (continued)
AFTERNOON	Section 2: (continued) Excursion through bulbfields to Haarlem. Visit to the historic town centre, especially St. Bavo's Church. Dinner and concert at restored mansion (partly national museum) near Haarlem.

Friday, 11th April

MORNING	Section 3: Free contributions (two parallel sessions).
AFTERNOON	Section 4: Tissue interactions in organogenesis.

Accommodation will be provided in the 'Leeuwenhorst' Congress Centre where all rooms have wash basins and breakfast is included in the price of the room. The prices are as indicated below in guilders. The rough sterling equivalent is given, but the precise rate will depend on the rate of exchange at time of payment. The prices quoted are per person.

Double room with shower and toilet	Dfl. 27 per night (£4.52)
Single room with shower and toilet	Dfl. 32 per night (£5.36)
Single room with wash-basin only	Dfl. 22 per night (£3.68)
Lunch	Dfl. 8 (£1.34)
Dinner	Dfl. 16 (£2.68)
Coffee and tea	Dfl. 4 per day (£0.67)
Excursion (including transport, dinner and concert)	Dfl. 50 (£8.37)

Completed booking forms should be sent, before 15th February 1975, to:

Dr W. J. Ouweneel,

Hon. Secretary of the Netherlands Society for Developmental Biology,
Hubrecht Laboratory (International Embryological Institute),
Uppsalalaan, 1,
Utrecht, Netherlands

A deposit must be paid before 1st March 1975, either by Postal Giro Account No. 2903638 in the name of 'Penningmeester van de Nederl. Veren. v. Ontwikk. Biol.' Amsterdam, or by means of a cheque sent to Dr Ouwenel at the above address and made payable to Dr M. van den Ende, Treasurer of the Netherlands Society for Developmental Biology, Amsterdam. The deposit is Dfl. 100 (£16.75) for those staying at the Congress Centre and Dfl. 50 (£8.37) for those who only eat there. The balance outstanding should be paid directly on arrival at the Congress Centre.

After registration full details of travel to the 'Leeuwenhorst' Congress Centre within the Netherlands will be sent to all participants.

PROGRAMME

Wednesday, 9th April

09.00 Welcome.

Section 1: The cell cycle in development

09.15 P. T. VAN DER SAAG and S. W. DE LAAT—Cyclic nucleotides and the cell cycle in early amphibian development.

09.50 S. W. DE LAAT and P. T. VAN DER SAAG—Cell membrane permeability during the cell cycle in early amphibian development.

10.25 COFFEE.

10.55 R. VAN WIJK—The cell cycle of various hepatoma cell lines: effect of cyclic nucleotides.

Section 2: Cellular interactions in embryogenesis and morphogenesis (a) non-vertebrates

11.30 J. M. MATO and TH. M. KONIJN—Chemotaxis and binding of cyclic AMP in cellular slime moulds.

12.30 LUNCH.

13.45 A. J. DURSTON—Cell interactions in slime mould development.

14.20 A. LINDENMAYER—Algorithms for plant development.

14.55 B. C. GOODWIN—A membrane model for epidermal morphogenesis in *Rhodnius* and *Tenebrio*.

15.30 TEA.

15.50 N. H. VERDONK—Aspects of determination and regulation in mosaic eggs.

16.25 C. A. M. VAN DONGEN—Early segregation of polar lobe material and the control of differentiation in *Dentalium*.

18.00 DINNER.

19.30 *Discussion Meeting: Ethical consequences of developmental-biological Research.* Speakers: R. M. CLAYTON (Biologist) and a Dutch philosopher.

Thursday, 10th April

Section 2 (continued)—(b) Vertebrates

- 09.00 J. B. L. BARD—The formation of the corneal endothelium.
- 09.35 R. BELLAIRS and M. BANCROFT—Role of cell contact and extracellular materials in chick morphogenesis.
- 10.10 L. VAKAET—Cellular interactions in early bird development.
- 10.45 COFFEE.
- 11.05 R. M. CLAYTON, D. E. S. TRUMAN, G. EGUCHI, M. M. PERRY and J. JACOB—The influence of cell position and abnormal cellular behaviour on specific crystallin polypeptide synthesis and the mRNA stability for each of these in the developing chick lens.
- 11.40 D. McDEVITT—Immunofluorescent localisation of the crystallins in the developing lens of a fast-growing chick strain.
- 12.30 LUNCH.
- 13.30 J. M. DENUCE—Cellular interactions and cell patterns in early teleost development.
- 14.05 S. C. SANYAL and G. H. ZEILMAKER—Cellular interactions in the histogenesis of retina studied in chimeric mice.
- 14.40 TEA.
- 15.00 Excursion (the coaches leave).

Friday, 11th April

Section 3: Free contributions (in two parallel sessions)

Session A (cellular level)

- 09.00 C. L. M. STEENBERGEN—The DNA synthetic period in the life cycle of *Scenedesmus obliquus*.
- 09.25 M. R. DOHMEN—The origin of the morphogenetic cytoplasm present in the polar lobe of *Bithynia tentaculata* (Gastrop., Prosobranch).
- 09.50 U. P. VAN DER WAL—The mobilisation of the yolk of *Lymnaea stagnalis*.
- 10.15 G. A. UBBELS—Cytoplasmic segregation during the symmetrisation of the anuran egg.
- 10.40 COFFEE.
- 11.00 G. SMITH and J. MCKENZIE—A re-examination and re-evaluation of the effects of exogenous RNA on chick embryo fibroblasts *in vitro*.
- 11.25 R. B. KEMP—Analysis of the early stages in the reaggregation of dissociated cells in combinations of two cell types.
- 11.50 H. J. KLOOSTERBOER and F. A. HOMMES—Hormonal control of creatine kinase development in rat skeletal muscle.