

British Society for Developmental Biology

38th MEETING

19th - 21st SEPTEMBER, 1978

SYMPOSIUM 4 — MATERNAL EFFECTS

UNIVERSITY OF EXETER

Accommodation (up to 150 persons) will be available in single rooms at Birks Hall, New North Road (on the west side of the University campus). **Parking space** is very limited at the Halls, but more is available in Clydesdale Road nearby (approached via Streatham Drive). **Maps** will be sent to those who return booking forms.

The **Conference Office, Lectures and Poster Demonstrations** will be in Streatham Court.

Coffee and Tea will be served near the lecture theatre.

Lunches will be in **Devonshire House**.

The **Conference Dinner** will be in **Devonshire House** on **Tuesday, 19th September** preceded by a **Civic Reception** at 7 p.m.

Telephone numbers (for incoming emergency calls only):

Streatham Court Exeter (0392) 77911 Ext. 724

Birks Hall Exeter (0392) 77911 Ext. 352

Completed booking forms must reach **Dr. Elizabeth Deuchar, Local Secretary**, by **Monday, 31st July**.

The Society gratefully acknowledges the financial support of the International Society of Developmental Biologists in the organisation of this Symposium.

The Proceedings of the Symposium, edited by Professor David R. Newth and Dr. Michael Balls, will be published by the Cambridge University Press in 1979 as the fourth volume of the BSBD symposium series.

PROGRAMME

MONDAY, 18th SEPTEMBER

18.00 - 22.00 Poster Demonstrations on view in Streatham Court. Conference Office open from 18.00 - 19.00 and 21.00 - 22.00.

TUESDAY, 19th SEPTEMBER

Session 1

Chairman: M. BALLS (Nottingham)

- 09.00 - 09.45 J. COHEN (Birmingham)
"Maternal constraints on development".
- 09.45 - 10.30 R. TILNEY-BASSETT and O. A. L. ABDEL-WAHAB (Swansea)
"Maternal effects and plasmid transmission".
- 10.30 - 11.00 **COFFEE**
- 11.00 - 11.45 J. SOMMERVILLE (St. Andrews)
"Transcription during amphibian oogenesis".
- 11.45 - 12.30 P. FORD (Edinburgh)
"Ribosomal RNA synthesis and ribosome production".
- 12.30 - 14.00 **LUNCH**

Session 2

Chairman: J. McKENZIE (Aberdeen)

- 14.00 - 14.45 R. A. LASKEY, J. B. GURDON and M. TRENDELENBURG (Cambridge)
"Accumulation of materials involved in rapid chromosomal replication in early amphibian development".
- 14.45 - 15.30 J. S. KNOWLAND and B. R. WESTLEY (Oxford)
"Transfer of macromolecules from mother to egg".
- 15.30 - 16.00 **TEA**
- 16.00 - 16.45 F. S. BILLET (Southampton)
"Oocyte mitochondria".
- 16.45 - 17.30 N. H. VERDONK and M. R. DOHMEN (Utrecht)
"Cytoplasmic localisations in mosaic eggs".
- 19.00 **CIVIC RECEPTION** at Devonshire House followed by **CONFERENCE DINNER**

WEDNESDAY, 20th SEPTEMBER

Session 3

Chairman: D. R. NEWTH (Glasgow)

- 09.00 - 09.45 L. D. SMITH and MARILYN A. WILLIAMS (Purdue)
"Germ cell determinants and primordial germ cells in amphibia".
- 09.45 - 10.30 R. M. WARN (East Anglia)
"The pole plasm of *Drosophila*".

- 10.30 - 11.00 **COFFEE**
- 11.00 - 11.45 G. M. MALACINSKI (Indiana)
 "Developmental genetics of the Mexican Axolotl: maternal effect genes and other mutations".
- 11.45 - 12.30 J-C. BEETSCHEN and MARIA FERNANDEZ (Toulouse)
 "Studies on the maternal effect of semilethal factor *ac* in the salamander *Pleurodeles waltlii*".
- 12.30 - 14.00 **LUNCH**

Session 4

Chairman: A. E. WILD (Southampton)

- 14.00 - 14.45 A. GAREN and CHING-HUNG KUO (Yale)
 "Maternal contributions to *Drosophila* embryogenesis".
- 14.45 - 15.30 A. D. LEES (Imperial College Field Station, Ascot)
 "The maternal environment and the control of morphogenesis in insects".
- 15.30 - 16.00 **TEA**
- 16.00 - 16.45 ANNE McLAREN (London)
 "The impact of pre-fertilisation events on post-fertilisation development in mammals".
- 16.45 - 17.30 W. D. BILLINGTON (Bristol) and A. E. WILD (Southampton)
 "Maternal immunological factors in embryonic and post-natal development".
- 18.30 **DINNER**

THURSDAY, 21st SEPTEMBER

Session 5

Chairman: ANNE McLAREN (London)

- 09.00 - 09.45 GILLIAN M. MORRISS (Oxford)
 "Teratogenesis".
- 09.45 - 10.30 ELIZABETH M. DEUCHAR (Exeter)
 "Effects of maternal diabetes on embryonic development".
- 10.30 - 11.00 **COFFEE**
- 11.00 - 11.45 C. T. JONES and J. S. ROBINSON (Oxford)
 "The influence of changes in the utero-placental circulation on the growth and development of the foetus".
- 11.45 - 12.30 **GENERAL DISCUSSION**
- 12.30 - 13.00 **ANNUAL GENERAL MEETING** of the British Society for Developmental Biology
- 13.00 **LUNCH**