

# SOCIETY FOR THE STUDY OF FERTILITY

## PROGRAMME OF WINTER MEETING

Tue 4 - Wed 5 Jan '77

Meeting Room of Zoological Society, Regent's Park, London NW1 4RY

Tue 4 Jan  
SESSION 1

Chairman: Professor JL Hancock

- 10.00 CG Scanes, PJ Sharp, Patricia MM Godden, S Harvey, A Chadwick & WS Newcomer, Departments of Applied Physiology & Nutrition, & Pure & Applied Zoology, University of Leeds, ARC Poultry Research Centre, Edinburgh, & Department of Physiological Sciences, Oklahoma State University.  
'Seasonal variation in circulating hormone levels in red grouse'
- 10.15 Janet Brotherton, Department of Gynaecological Endocrinology, Sterility & Family Planning, Klinikum Steglitz of the Free University, Hindenburgdamm 30, West Berlin.  
'Potency of spermicides using a sperm stripping technique'
- 10.30 WCL Ford, Anne Harrison & GMH Waites, Department of Physiology & Biochemistry, University of Reading, Reading RG6 2AJ.  
'The biological activities of the optical isomers of  $\alpha$ -chlorohydrin'
- 10.45 RJ Sterling & PJ Sharp, ARC Poultry Research Centre, Edinburgh.  
'Electrical stimulation of pathways in the hypothalamus & forebrain which control LH release in the chicken'
- 11.00 Coffee

SESSION 2

Chairman: Dr FJ Cunningham

- 11.30 IA Beattie, IB Wilson & BK Follett, Department of Zoology, University College of North Wales, Bangor, Gwynedd.  
'Effects of dopamine-receptor blockage during foetal or neonatal life upon adult hormone levels in male rats'
- 11.45 E Versi, SR Milligan & HM Charlton, Departments of Human Anatomy, Oxford & Physiology, King's College, London.  
'Blockade of pregnancy in the vole, *Microtus agrestis*, by DB154, a prolactin inhibitor'
- 12.00 D Mortimer, Department of Genetics, University of Edinburgh.  
'Distribution of diploid spermatozoa in the female tract of the rabbit'
- 12.15 RAP Harrison, AO Trounson & LEA Rowson, ARC Institute of Animal Physiology, Animal Research Station, 307 Huntingdon Road, Cambridge.  
'Studies on in vitro fertilization in the sheep'
- 12.30 Lunch (buffet & bar available in Zoo)

## SESSION 3

Chairman: Dr CA Finn

- 14.00 Frances N Critoph & KJ Dennis, The General Hospital, Tremona Road, Southampton.  
'Measurement of the ciliary activity of the human oviduct'
- 14.15 AM Carter, PO Sjöquist & L Bjellin, Departments of Physiology, Odense, Denmark, & Physiology, Lund, Sweden.  
'Ovarian, uterine & vaginal blood flows in oestrous & diestrous guinea pigs'
- 14.30 Sandra J Downing, SJ Lye & DG Porter, Department of Anatomy, The Medical School, Bristol.  
'Oestrogen inhibition of myometrial activity in the conscious rat'
- 14.45 Carole A Samuel, DH Steven & PD Rossdale, Department of Anatomy, University of Cambridge, & Newmarket, Suffolk.  
'Structure of the uterine epithelium after parturition in the mare'
- 15.00 SJ Lye & DG Porter, Department of Anatomy, Bristol University.  
'The effect of progesterone, PGF<sub>2</sub> & oxytocin on the myometrial activity of the non-pregnant, ovariectomized ewe'
- 15.15 Margaret J Peddie, Department of Physiology & Biochemistry, University of Southampton.  
'HCG-induced atresia of antral follicles, & subsequent follicular development'
- 15.30 Tea

## SESSION 4

Chairman: Dr IB Wilson

- 16.00 WG Breed & Peta Jervis, Department of Anatomy & Histology, University of Adelaide.  
'Activity of the corpus luteum of the hopping mouse, *Notomys alexis*, during the oestrous cycle'
- 16.15 AW Schuetz, RA Wallace & T Hollinger, The Johns Hopkins School of Hygiene, Baltimore, & The Oak Ridge National Laboratory, Oak Ridge, Tennessee.  
'Inhibition of <sup>3</sup>H-vitellogenin incorporation in *Rana pipiens* oocytes injected with "mature" oocyte cytoplasm'
- 16.30 GM Warnes, RM Moor & MH Johnson, ARC Institute of Animal Physiology, Animal Research Station, 307 Huntingdon Road, Cambridge, & Department of Anatomy, University of Cambridge.  
'Changes in protein synthesis during maturation of sheep oocytes in vivo & in vitro'
- 16.45 WD Booth & MM Singh, ARC Institute of Animal Physiology, Animal Research Station, 307 Huntingdon Road, Cambridge.  
'The metabolism of neutral steroids by rabbit blastocysts'
- 17.00 JH Marston, Rosanna Penn & PC Sivelle, Department of Anatomy, The Medical School, Birmingham B15 2TJ.  
'Successful synchronous & asynchronous autotransfer of tubal embryos in a non-human primate (*Macaca mulatta*)'
- 17.30 HAMMOND MEMORIAL LECTURE: Professor C Thibault, I.N.R.A., Jouy-en-Josas, France.  
'Are oocyte & follicular maturation independent processes?'
- 19.00 Buffet supper at Royal Veterinary College, Camden Town - cost £1.00

Joint Symposium  
SOCIETY FOR THE STUDY OF FERTILITY  
BRITISH SOCIETY FOR DEVELOPMENTAL BIOLOGY  
SEXUAL DIFFERENTIATION

Wed 5 Jan 77

Zoological Society, Regent's Park, London NW1 4RY

SESSION 1

Chairman: Dr Anne McLaren

10.00-10.30

✓ Dr C Graham, Department of Zoology, Oxford.  
"Principles of development & differentiation; a review"

10.30-11.00

✓ Dr RV Short, MRC Unit of Reproductive Biology, Edinburgh.  
"Gonadal differentiation; a review"

11.00-11.30

Coffee

SESSION 2

Chairman: Professor CR Austin

11.30-12.00

✓ Dr B Cattanach, MRC Radiobiology Unit, Harwell. *XX - male mouse.*  
"Genetic control of sexual differentiation"

12.00-12.30

✓ Dr MH Johnson, Department of Anatomy, Cambridge.  
"Immunological aspects of sexual differentiation"

12.30-13.00

✓ Dr RA Beatty, Institute of Animal Genetics, Edinburgh.  
"Gamete differentiation in relation to genetic content"

13.00-14.14

Lunch

SESSION 3

Chairman: Dr Ursula Mittwoch

14.15-14.45

✓ Dr Anne GS Byskov, Finsen Laboratory, Copenhagen. *role of rete*  
"Role of rete ovarii in ovarian differentiation"

14.45-15.15

✓ Dr CE Ford, Sir William Dunn School of Pathology, Oxford.  
"Sexual differentiation in freemartins & chimaeras"

15.15-15.45

✓ JOOST - Freemartins.  
Tea

SESSION 4

Chairman: Dr RV Short

15.45-16.05

✓ Dr IJ Clarke, MRC Unit of Reproductive Biology, Edinburgh. *Testosterone plots in QS to masculinize brain. } behaviour.*  
"Experimental sexual differentiation of the sheep brain"

16.05-16.25

✓ Dr Janet E Booth, Charing Cross Hospital, London.  
"Central & peripheral actions of androgens in the differentiation of sexual behaviour in the rat"

16.25-16.55

✓ Dr Mary Lyon, MRC Radiobiology Unit, Harwell.  
"Functions of androgen receptor protein in sexual differentiation."

16.55-17.15

General discussion & concluding remarks.