

Lectures proposed by the Boards of the Faculties of Earth Sciences and Geography, Physics and Chemistry, Biology, and Mathematics, and the Board of History and Philosophy of Science

For particulars of the University Composition Fee and of the fees payable for attendance at separate courses of lectures see p. 2.

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART IA

Introduction to the Course

W. 12 (3 Oct.) Professor Sir Keith Peters and Dr D. MacDonald (Medical Students) *Anatomy Lecture Theatre*

W. 11 (3 Oct.) Mr J. Grandage, Dr D. Chivers, Professor L. B. Jeffcott (Veterinary Students) *Biffen Lecture Theatre*

MICHAELMAS 2001

LENT 2002

EASTER 2002

CELL BIOLOGY

Course Organiser: Dr S. Bray E-mail: sjb32@mole.bio.cam.ac.uk

Further information may be obtained from the Faculty Web site at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>

Lectures.

PROF. R. C. THOMAS AND DR M. A. STANLEY
Th. F. M. Tu. W. 12 S. 11 Biffen Lecture Theatre

PROF. R. C. THOMAS AND DR M. A. STANLEY
Cell Biology (8 lectures 4–11 Oct.)

FUNCTIONAL ARCHITECTURE OF THE BODY (Medical Students)

At the Anatomy School unless otherwise stated

Course Organiser: Dr R. E. J. Dyball E-mail: red1000@cus.cam.ac.uk

Further information may be obtained from the Faculty Web site at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>

Lectures.

MR R. H. WHITAKER
Principles of Cranial Nerves (Two lectures, 18, 23 Jan.)
W. F. 9

DR D. COX
Ethics, Attitudes and Communication (One lecture,
10 Oct.)

DR I. G. PARKIN
Musculo–Skeletal System: Bones, Joints and Muscles
(Two lectures, 12, 17 Oct.)

PROF. A. DIXON
Principles of Radiology (One lecture, 19 Oct.)

DR I. G. PARKIN
Principles of Body Systems (Nervous and
Cardiovascular) (Two lectures, 24, 31 Oct.)

MR R. H. WHITAKER
Autonomic Nervous System (One lecture, 2 Nov.)

DR S. A. EDGLEY
Musculo–Skeletal System: Posture and Gait (One
lecture, 14 Nov.)

DR I. G. PARKIN
Principles of Lymphatic Drainage and Breast (One
lecture, 21 Nov.)

DR I. G. PARKIN
Nerve Injuries. (One lecture, 23 Nov.)

DR I. G. PARKIN
Principles of Fascia. (One lecture, 28 Nov.)

Special Periods

DR I. G. PARKIN
Clinical Demonstration: 29 Nov. 10–12.

Practical Work

Dissection and Prosections*. Times according to
options.
Allocation of Cadavers and Introduction to Anatomy:
3 Oct. at 10.
Dissection/Prosection Vertebral Column: 4 Oct. 10–12 *or*
5 Oct. 2–4.
Anatomy of Procedures: W. 10–12 or 2–4 (fortnightly).

MR R. H. WHITAKER
Rectum and Anal Canal (One lecture 26 Apr.)
W. F. 9

DR S. J. BRAY
Embryology: Development of Body Plan,
Embryonic Folding, Cranial Facial
Development, Cardiovascular and G.I.T.
(Four lectures, 25, 30 Jan., 20 Feb., 1 Mar.)

MR R. H. WHITAKER
The Ear (One lecture, 1 Feb.)

MR R. H. WHITAKER
The Larynx (One lecture, 6 Feb.)

DR I. G. PARKIN
Chewing and Swallowing (One lecture, 8 Feb.)

MR R. H. WHITAKER
Nerve Supply within the Abdominal Cavity
(One lecture, 27 Feb.)

DR I. G. PARKIN
Anatomy Changing with Age (One lecture,
6 Mar.)

DR I. G. PARKIN
Clinical Demonstration: 15 Mar. 2–4.

Dissections and Prosections*

Anatomy of Procedures: The same continued.

MR R. H. WHITAKER
Urinary Continence and Incontinence. (One
lecture 29 Apr.)

MR R. H. WHITAKER
Male Reproductive Tract (One lecture,
3 May)

MR R. H. WHITAKER
Abdominal Wall, Hernias and Inguinal
Canal (One lecture, 6 May)

DR S. J. BRAY
Embryology (Continued):
Urogenital (One lecture, 10 May)

Dissections and Prosections*

Anatomy of Procedures: The same continued.

* The Dissection Room is available to students between 10 *and* 12; and 2 *and* 4, and students should attend in accordance with their options.

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART IA (continued)

MICHAELMAS 2001

LENT 2002

EASTER 2002

HISTOLOGYCourse Organiser: Dr J. T. Tiffert E-mail: jtt1000@cam.ac.ukFurther information may be obtained from the Faculty Web site at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>*Students will be notified of the time at which they should attend each of the classes***Practical Work** *Department of Physiology*

1. Introduction to microscopy and cell structure F. 2–4 (5 Oct.); or M. 10–12 or 2–4 (8 Oct.); or W. 2–4 (10 Oct.); or F. 2–4 (12 Oct.); or W. 2–4 (17 Oct.)
2. Connective tissue, nerve and neuromuscular junction. F. 2–4 (19 Oct.); or M. 10–12 or 2–4 (22 Oct.); or W. 2–4 (24 Oct.); or F. 2–4 (26 Oct.); or W. 2–4 (31 Oct.)
3. Striated, cardiac and smooth muscle F. 2–4 (2 Nov.); or M. 10–12 or 2–4 (5 Nov.); or W. 2–4 (7 Nov.); or F. 2–4 (9 Nov.); or W. 2–4 (14 Nov.)
4. Vascular system and blood F. 2–4 (16 Nov.); or M. 10–12 or 2–4 (19 Nov.); or W. 2–4 (21 Nov.); or F. 2–4 (23 Nov.); or W. 2–4 (28 Nov.)

Practical Work *Department of Physiology*

5. Epithelia and skin F. 2–4 (18 Jan.); or M. 10–12 or 2–4 (21 Jan.); or W. 2–4 (23 Jan.); or F. 2–4 (25 Jan.); or W. 2–4 (30 Jan.)
6. Respiratory system F. 2–4 (1 Feb.); or M. 10–12 or 2–4 (4 Feb.); or W. 2–4 (6 Feb.); or F. 2–4 (8 Feb.); or W. 2–4 (13 Feb.)
7. Urinary system and adrenal gland F. 2–4 (15 Feb.); or M. 10–12 or 2–4 (18 Feb.); or W. 2–4 (20 Feb.); or F. 2–4 (22 Feb.); or W. 2–4 (27 Feb.)
8. Alimentary system F. 2–4 (1 Mar.); or M. 10–12 or 2–4 (4 Mar.); or W. 2–4 (6 Mar.); or F. 2–4 (8 Mar.); or W. 2–4 (13 Mar.)

Practical Work *Department of Physiology*

9. Liver, pancreas and salivary glands F. 2–4 (26 Apr.); or M. 10–12 or 2–4 (29 Apr.); or W. 2–4 (1 May); or F. 2–4 (3 May); or W. 2–4 (8 May)
10. Thyroid, parathyroid, pituitary gland and revision exercises F. 2–4 (10 May); or M. 10–12 or 2–4 (13 May); or W. 2–4 (15 May); or F. 2–4 (17 May); or W. 2–4 (22 May)

HOMEOSTASISCourse Organiser: Dr R. H. S. Carpenter (E-mail: rhsc1@cam.ac.uk)Further information may be obtained from the Faculty Web site at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>Further details at <http://www.physiol.cam.ac.uk/PartIA/Homeostasis.html>**Lectures.** Tu, Th, F. 12 *Babbage Lecture Theatre*

DR R. H. S. CARPENTER

Homeostasis and intercellular communication (Six lectures, 16–26 Oct.) Tu, Th, F. 12

DR C. L-H. HUANG

Muscle (Five lectures, 30 Oct.–8 Nov.)

DR R. J. BARNES

Heart and circulation (Nine lectures, 9–29 Nov.)

Practical Work

Experimental Physiology. M. 10–12 or 2–4 or W. 10–12 or F. 10–12

Lectures. Tu, Th, F. 12 *Babbage Lecture Theatre*

DR M. J. MASON

Respiration (Nine lectures, 17 Jan.–5 Feb.) Tu, Th, F. 12

DR S. O. SAGE

Fluids and electrolytes (Ten lectures, 7–28 Feb.)

DR T. TIFFERT

Digestion, absorption and storage (Six lectures, 1–14 Mar.)

Practical Work

The same continued.

Lectures. Tu, Th, F. 12 *Babbage Lecture Theatre*

DR S. L. DICKSON

Energy balance and growth (Four lectures, 25 Apr.–2 May) Tu, Th, F. 12

DR R. I. WOODS

Temperature control (Two lectures, 3–7 May)

Practical Work

The same continued.

MOLECULES IN MEDICAL SCIENCE*In the Babbage Lecture Theatre, New Museums Site*Course Organiser: Dr P. H. Rubery E-mail phr2@cam.ac.ukFurther information may be obtained from the Faculty Web site at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>**Lectures.**

M. 12, Tu, Th. 9.

Metabolism in health and disease

PROF. K. SIDDLE

Prologue. Diabetes mellitus as a metabolic disease (Two lectures, 9–11 Oct.)

DR N. J. GAY

Protein structure and enzyme catalysis (Five lectures, 15–23 Oct.)

DR P. H. RUBERY

Bioenergetics and metabolism (Eight lectures, 25 Oct.–12 Nov.)

DR M. O'CONNELL

Nutrition (Two lectures, 13–15 Nov.)

PROF. R. F. IRVINE

Membrane dynamics and function; signalling by hormones (Five lectures, 19–27 Nov.)

PROF. K. SIDDLE

Epilogue (One lecture, 29 Nov.)

PracticalsExperimental work and discussion; problem-based learning exercise *Department of Biochemistry, Downing Site* Detailed scheme in course handbook

M. 12, Tu, Th. 9. W. 12 (Mar. 6 only)

Macromolecules in health and disease

PROF. J. C. METCALFE

Prologue. Cancer as a molecular disease (Two lectures, 17–21 Jan.)

DR C. O'KANE

Organisation and replication of genome (Four lectures, 22–29 Jan.)

DR N. M. STANDART

Transcription, translation and control (Five lectures, 31 Jan.–11 Feb.)

DR N. J. GAY

Proteins in action: structure and function (Two lectures, 12–14 Feb.)

PROF. A. H. WYLLIE

Control of proliferation, proto-oncogenes and cancer (Three lectures, 18–21 Feb.)

PROF. C. FRENCH-CONSTANT AND OTHERS

Transmission of genetic inheritance and the experimental tools of molecular genetics (Five lectures, 25 Feb.–5 Mar.)

PROF. J. C. METCALFE

Mesologue (One lecture, 6 Mar. at 12)

The same continued.

M. 12, Tu, Th. 9.

Macromolecules in health and disease (continued)

PROF. M. R. STRATTON

Applications and implications of genome projects (Two lectures, 25–29 Apr.)

DR D. W. MACDONALD

Genetics of complex diseases (Three lectures, 30 Apr.–6 May)

The same continued.

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART IA (continued)

MICHAELMAS 2001

LENT 2002

EASTER 2002

VETERINARY ANATOMY AND PHYSIOLOGY
(Veterinary Students)Course Organiser: Mr J. Grandage E-mail: jg3@mole.bio.cam.ac.ukFurther information may be obtained from the Faculty Web site at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>*In the Biffen Lecture Theatre, Department of Genetics, unless otherwise stated***Lectures.** M. W. F. 9, Tu. 2.

DR C. J. CHIVERS AND MR J. GRANDAGE

Introduction (Two lectures, 5, 8 Oct.)

DR D. J. CHIVERS, MR J. GRANDAGE AND DR J. M. HOLMES
The Locomotor System. (Ten lectures, 10, 12, 15, 17, 22,
24, 29, 31 Oct., 19, 20 Nov.)DR S. J. BRAY AND DR D. TANNAHILL
Development. (Three lectures, 5, 7, 12 Nov.)DR J. M. HOLMES
The Nervous System. (Three lectures, 21, 26, 28 Nov.)**Practical Work**Dissection of the domestic animals, examination of live animals, fresh viscera, radiographs, laboratory work and other activities. (Tu. and Th. 10-12 and F. 10-12 or 2-4 and occasionally Tu. or Th. 2-4.
*In the Veterinary Dissecting Room and other venues***Lectures.** M. W. 9, Tu. 2

MR J. GRANDAGE AND DR J. M. HOLMES

The Cardiovascular System. (Five lectures,
18, 22, 23, 28, 30 Jan.)

DR S. J. BRAY

Development. (Two lectures, 21 Jan., 18 Feb.)

DR J. H. BRACKENBURY

The Respiratory System. (Four lectures, 4, 6,
11, 13 Feb.)

MR J. GRANDAGE

Urinary System. (Two lectures, 20, 25 Feb.)

DR D. J. CHIVERS

The Digestive System. (Four lectures, 27 Feb.,
4, 6, 11 Mar.)**Practical Work**

The same continued.

Lectures. M. W. F. 9

DR D. J. CHIVERS, DR A. EDWARDS,

DR J. HICKSON

The Digestive System. (Eight lectures,
26, 29 Apr., 1, 3, 8, 10, 13, 15 May)**Practical Work**

The same continued.

SECOND M. B. EXAMINATION**INTRODUCTION TO THE SCIENTIFIC BASIS OF MEDICINE**Further information may be obtained from the Faculty Web site at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>Course Co-ordinator: Dr T. W. Davies E-mail: twd10@medschl.cam.ac.uk**Lectures.***Babbage Lecture Theatre*

PROF. P. LIPTON, DR T. W. DAVIES, A. CHAKRAVARTY AND

DR C. PALMER

W. 12 (Seven lectures, 17, 24, 31 Oct. 7, 14, 21, 28 Nov.)

DR T. W. DAVIES AND INVITED SPEAKERS

W. 12 (Three lectures, 23, 30 Jan., 6 Feb.)

MEDICAL SOCIOLOGYCourse Organiser: Dr T. W. Davies E-mail: twd10@medschl.cam.ac.ukFurther information may be obtained from the Faculty Web site at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>

DR T. W. DAVIES AND MS D. LEEDER

Tu. 2-39 Oct. *Anatomy Lecture Theatre**Lectures are being replaced by computer based distance learning material, based on the previous ten lecture course.*

The material will be available to those wishing to take the course at:

<http://www.medgraphics.cam.ac.uk/medsoc/>

For enquiries please telephone:

Dr T. W. Davies (30318) E-mail: twd10@medschl.cam.ac.ukDawn Leeder (700-3561) E-mail: dcl25@cam.ac.uk**PREPARING FOR PATIENTS**

(Medical Students)

Course Organiser: Dr J. Silverman E-mail: js355@medschl.cam.ac.ukFurther information may be obtained from the Faculty Web site at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>

DR J. BENSON, DR P. HENDERSON AND DR J. SILVERMAN

Briefings Tu. 2-4 16 or 23 Oct. or 6 or Nov. General
Practitioner visits Tu. 23 Oct. or 6 or 13 or 20 or 27
Nov. or Th. 1 or 15 or 22 Nov.General Practitioner visits. Tu. 29 Jan. or 5 or
12 or 19 Feb. or Th. 17 or 24 Jan. or 14 or
21 Feb.

DR J. BENSON, DR P. HENDERSON AND

DR J. SILVERMAN

Review M. 2-4 11 or 18 or 25 Feb. 4 Mar. or
Tu. 2-4 29 Jan. or 12 19 or 26 Feb.

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART IA (continued) AND PART IB

MICHAELMAS 2001

LENT 2002

EASTER 2002

SECOND VET. M.B. EXAMINATION**FARM ANIMAL HUSBANDRY**

Course Organiser: Dr M. A. Holmes E-mail: mah1@cam.ac.uk

*Lectures will take place in the Biffen Lecture Theatre, Department of Genetics*Further information may be obtained from the Faculty Web site at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>**Lectures.**

F. 9

DR M. A. HOLMES, DR C. J. PHILLIPS AND OTHERS
(Six lectures, 19, 26 Oct. 2, 9, 16 and 23 Nov.)**Practical Work Tu. 2–4**

13 Nov.

F. 9

DR M. A. HOLMES, DR C. J. PHILLIPS AND OTHERS
(Eleven lectures, 25 Jan. 1, 8, 15, 19 Tu. 2, 22,
26 Tu. 2 Feb. 1, 7 Tu. 9, 8, 12 Tu. 9 Mar.)**Practical Work Tu. 2–4**

5 Feb.

PREPARING FOR THE VETERINARY PROFESSION

Course Organiser: Dr M. A. Holmes E-mail: mah1@cam.ac.uk

*Lectures will take place in the Biffen Lecture Theatre, Department of Genetics*Further information may be obtained from the Faculty Web site at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>**Lectures.**

Tu. 2

MRS P. WATSON, PROF. D. M. BROOM AND OTHERS
(Four lectures, 16, 23, 30, Oct. 6 Nov.)**Practical Work**

Th. 2–4 Two sessions 18 or 25 Oct. 1 or 8 15 or 22 Nov.

Practical Work

Th. 2–4 Two sessions 24 or 31 Jan. 7 or 14 Feb.

PART IB**BIOLOGY OF DISEASE**

Course Organiser: Dr B. Kingston E-mail ibk@mole.bio.cam.ac.uk

*Lectures will take place in the Chemical Laboratory Lecture Theatre, Lensfield Road*Further information may be obtained from the Faculty Web site at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>

PROF. Y. W. LOKE

Introduction. (One lecture, 5 Oct.)

PROF. Y. W. LOKE

Cell Injury.

Innate Immune System; Acute Inflammation: Defence
Mechanisms; Healing and Chronic Inflammation.
(Four lectures, 8 Oct.–15 Oct.)

DR A. KELLY

The Adaptive Immune System; B Cells and Antibodies;
The Major Histocompatibility Complex; T cells.
(Four lectures, 17 Oct.–24 Oct.)

PROF. J. TROWDALE

Tolerance; Autoimmunity; Hypersensitivity and Graft
Rejection; Immunity to Infection. (Four lectures,
26 Oct.–2 Nov.)

DR J. AJIOKA

Introduction to Parasitic Diseases; Key Examples of
Parasitic Diseases: Malaria; Key Examples of
Parasitic Diseases: Schistosomiasis. (Three lectures,
5 Nov.–9 Nov.)

PROF. A. C. MINSON

Nature of Viruses; Viral Multiplication in the Host Cell;
Responses to Viral Infection; Acute and Chronic
Infection; Epidemiology of Viral Infection;
Combatting Viral Infection; Prions and Spongiform
Encephalopathies. (Seven lectures, 12 Nov.–26 Nov.)**Practical Work***Department of Pathology*Tu. 10–12 and F. 10–12 or Tu. and Th. 2–4 or W. and Th.
10–12 or W. and F. 2–4.

DR C. HUGHES

Bacterial Disease Past, Present and Re-
emerging; The Nature of Pathogenicity;
The Bacterial–Host Interaction.
Pathogenicity; Consequences of Bacterial
Infection–Host Damage; Bacterial
Pathogenicity in the Respiratory Tract;
Bacterial Pathogenicity in the
Gastrointestinal Tract; Combatting
Bacterial Disease. (Seven lectures,
16 Jan.–30 Jan.)

DR M. STANLEY

The Regulation of Tissue Growth and
Organisation; Clinical Pathology of
Tumours; Epidemiology of Tumours;
Genetic Basis of Neoplasia; Causes of
Cancer. (Five lectures, 1 Feb.–11 Feb.)

DR N. COLEMAN

Thrombosis, Embolism and Infarction;
Atherosclerosis; Heart Failure and
Hypertension. (Three lectures,
13 Feb.–18 Feb.)*Department of Pathology*

The same continued.

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MEDICAL AND VETERINARY SCIENCES TRIPOS, PART 1b (continued)

MICHAELMAS 2001

LENT 2002

EASTER 2002

HUMAN REPRODUCTION(formerly SCIENTIFIC, SOCIAL AND ETHICAL ASPECTS OF REPRODUCTION AND POPULATIONS)
(Medical Students)

Course Organiser: Dr R. J. Barnes E-mail rjb4@cam.ac.uk

Further information may be obtained from Faculty Web Site at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>**Lectures.**

Tu, Th. 9 Anatomy Lecture Theatre

PROF. M. H. JOHNSON

Sexual differentiation. (One Lecture. 9 Oct.)

Reproductive hormones: the Sexual messengers. (11 Oct.)

Gametogenesis and ovarian cycles. (Four lectures 16, 18, 23, 25 Oct.)

DR P. N. SCHOFIELD

Coition, fertilization and blastocyst development. (Two lectures, 30 Oct. 1 Nov.)

DR Y. W. LOKE

Placentation. (One lecture 6 Nov.)

DR R. J. BARNES

Maternal adaptations to pregnancy and placental physiology. (Two lectures 8, 13 Nov.)

Preparation for birth and delivery. (Two lectures, 15, 20 Nov.)

Lactation and neonatal physiology. (Two lectures, 22, 27 Nov.)

PracticalsTh. 2-4 (11, 15, 16 Oct.) or M. 10-12 (25, 29, 30 Oct.) or Tu. 2-4 (8, 12, 13 Nov.) *Physiology Department Histology Laboratory.*

The same continued.

PROF. M. RICHARDS

Human genetic technologies. (One lecture 24 Jan.)

REVD DR J. CADDICK

Principles of medical ethics (Five lectures 22, 24, 29, 31 Jan. 5 Feb.)

DR J. POWLES

Reproduction, demography and population health. (Three lectures 7, 12, 14 Feb.)

Th. F. 10-12 or 2-4 (7, 8 Feb.) *Anatomy Procedure Room.***MECHANISMS OF DRUG ACTION**

Course Organiser: Dr P. Thorn E-mail: pt207@cam.ac.uk

Further information may be obtained from the Faculty Web site at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>**Lectures.**Tu, Th. 12 S. 11 *Physiology Main Lecture Theatre*

DR C. W. TAYLOR

Drug interactions with receptors and ion channels (Five lectures, 9-18 Oct.)

DR R. MURRELL-LAGNADO

Pharmacology of peripheral neural transmissions (Six lectures 20 Oct.-1 Nov.)

DR R. M. HENDERSON

Cardiovascular and renal pharmacology* (Seven lectures, 3-17 Nov.)

DR D. R. FERGUSON

Cardiovascular and renal pharmacology† (Five lectures, 3-13 Nov.)

DR R. J. EVANS

Anthelmintics† (Two lectures 15-17 Nov.)

Practical Work

M. 2-5 or F. 2-5. (Weeks 2, 3, 5-8) A detailed timetable will be posted in the Department

Lectures.Tu, Th. 12 S. 11 *Physiology Main Lecture Theatre*

DR S. B. HLADKY

Pharmacokinetics, drug metabolism, and general anaesthetics (Five lectures 17-26 Jan.)

DR M. A. BARRAND

Chemotherapy (Four lectures, 29 Jan.-5 Feb.)

DR J. M. YOUNG

Pharmacology of inflammation and immunosuppression (Five lectures 7-19 Feb.)

The same continued. (Weeks 1-5)

* Medical students.

† Veterinary students. *These lectures will be given in the Lecture Theatre, Department of Pharmacology.*

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART 1B (continued)

MICHAELMAS 2001

LENT 2002

EASTER 2002

NEUROBIOLOGY AND ANIMAL BEHAVIOUR
(Veterinary Students)

Course Organiser: Dr S. A. Edgley E-mail: sae1000@cus.cam.ac.uk

Further information may be obtained from the Faculty Web site at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>**Lectures.**

M. W. 9 S. 12 (Th. 4 Oct. at 9 only M.8 15 Oct. 10 only)
 PROF. R. C. THOMAS
 Introduction to CNS, Biology of Neurones, (Three lectures) *Babbage Lecture Theatre* Th. 4 F. 5 S. 6 Oct.
 MR J. GRANDAGE
 Meninges. (One lecture) *Physiology Lecture Theatre 3* M. 8 Oct.
 DR C. E. HOLT
 Development, Plasticity and Repair of the Nervous System. (Two lectures) *Babbage Lecture Theatre* S. 13 M. 15 Oct.
 DR R. J. FRANKLIN
 Introduction to CNS (One lecture) *Physiology Lecture Theatre 3* M. 15 Oct. 10
 DR I. M. WINTER
 Somatic Sensation and Pain (Three lectures) *Babbage Lecture Theatre* W. 17 S. 20 M. 22 Oct.
 DR P. J. RICHARDSON
 Pharmacology of Pain (One lecture) *Babbage Lecture Theatre* W. 24 Oct.
 DR S. A. EDGLEY
 The Motor System. (Five lectures) *Babbage Lecture Theatre* S. 27 M. 29 W. 31 Oct. Sat. 3 M. 5 Nov.
 DR M. JUUSOLA
 The Visual System (Four lectures) *Babbage Lecture Theatre* W. 7 S. 10 M. 12 W. 14 Nov.
 PROF. A. C. CRAWFORD
 Hearing (Two lectures) *Babbage Lecture Theatre* S. 17 M. 19 Nov.
 DR A. C. ROBERTS
 Arousal, Homeostasis and Motivation (Three lectures) W. 21 F. 23 W. 28 Nov.

Practicals

Practical classes in veterinary Neuroanatomy and special senses, in Neurophysiology (Tuesday and Thursday am), and animal behaviour as indicated in the online timetables.

M. W. 9 S. 12
 DR H. R. MATTHEWS
 Olfaction and Taste (One lecture) *Babbage Lecture Theatre* W. 16 Jan.
 DR J. M. HOLMES
 Cranial nerves (Two lectures) *Physiology Lecture Theatre 3* F. 18 M. 21 Jan.
 PROF. D. M. BROOM
 Animal Behaviour (Seven lectures) *Physiology Lecture Theatre 3* W. 23 W. 23 * 10.00 a.m F. 25 S. 26 M. 28 W. 30 Jan. F. 1 Feb.
 DR J. M. HOLMES
 Sense Organs: eye (Two lectures) *Physiology Lecture Theatre 3* S. 2 M. 4 Feb.
 MR J. GRANDAGE
 Sense Organs: ear (One lecture) *Physiology Lecture Theatre 3* W. 6 Feb.
 DR R. J. FRANKLIN
 Veterinary Central Nervous System (One lecture) *Physiology Lecture Theatre 3* F. 8 Feb.
 DR P. THORN
 Neuropharmacology (Three lectures) *Physiology Lecture Theatre 3* S. 9 M. 11 W. 13 Feb.

The same continued.

NEUROBIOLOGY AND HUMAN BEHAVIOUR
(Medical Students)

Course Organiser: Dr S. A. Edgley E-mail: sae1000@cus.cam.ac.uk

Further information may be obtained from the Faculty Web site at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>**Lectures.**

M. W. 9 S. 12 (Th. 4 Oct. at 9 only only) *Babbage Lecture Theatre*
 PROF. R. C. THOMAS
 Introduction to CNS, Biology of Neurones, (Three lectures) Th. 4 F. 5 S. 6 Oct.
 DR R. J. KEYNES
 Blood-Brain Barrier, CSF, and Cerebral Blood Flow (One lecture) M. 8 Oct.
 DR C. E. HOLT
 Development, Plasticity and Repair of the Nervous System. (Two lectures) S. 13 M. 15 Oct.
 DR I. M. WINTER
 Somatic Sensation and Pain (Three lectures) W. 17 S. 20 M. 22 Oct.
 DR P. J. RICHARDSON
 Pharmacology of Pain (One lecture) W. 24 Oct.
 DR S. A. EDGLEY
 The Motor System. (Five lectures) S. 27 M. 29 W. 31 Oct. Sat. 3 M. 5 Nov.
 DR M. JUUSOLA
 The Visual System (Four lectures) W. 7 S. 10 M. 12 W. 14 Nov.
 PROF. A. C. CRAWFORD
 Hearing (Two lectures) S. 17 M. 19 Nov.
 DR A. C. ROBERTS
 Arousal, Homeostasis and Motivation (Three lectures) W. 21 F. 23 W. 28 Nov.

Practicals

Neuroanatomy Th. and F. 10–12, Neurophysiology Tu. and Th. 10–12, Psychology M. 10–12 (see online timetables for details).

M. W. 9 S. 12 *Babbage Lecture Theatre*

DR H. R. MATTHEWS
 Olfaction and Taste. (One lecture) W. 16 Jan.
 DR S. BARON AND PROF. B. J. L. EVERITT
 Neurobiology of Mental Illness. (Six lectures) F. 18, M. 21, W. 23, F. 25, S. 26, M. 28 Jan.
 DR P. J. RICHARDSON
 Pharmacology and Drug Treatment of CNS Disorders (Six lectures) W. 30 Jan. F. 1 S. 2, M. 4, W. 6, F. 8 Feb.
 DR A. C. ROBERTS
 Neurobiology of Learning, Memory and Cognition. (Five lectures) S. 9, M. 11, W. 13, F. 15, S. 16 Feb.

The same continued.

continued >

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART Ib (continued)

MICHAELMAS 2001

LENT 2002

EASTER 2002

SPECIAL OPTION SUBJECTS

Courses will be offered in the options set out below in the two lists. Candidates are required to take one option from each list (veterinary students must take Comparative Vertebrate Biology from list 1). Each option shall be restricted to an upper limit of 90 students, apart from Experimental Psychology, which will have an upper limit of 60 students. Detailed timetables, and links to further information, are posted on the Faculty Board web site at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>.

List 1**DEVELOPMENTAL BIOLOGY: CONCEPTS TO CLINIC**Course Organiser: Dr R. A. H. White E-mail: rw108@mole.bio.cam.ac.uk

Lectures by Professor Harris, Dr Bray, Dr Brown, Dr Keynes, Dr Schofield and Dr Tannahill will be given in the Babbage Lecture Theatre on M. W. F. 9–10 starting on 22 Feb. and practical work (W. 13 Mar. 8 May. 9–12 in the Pathology Laboratory and the Anatomy Dissecting Room Annex) and a Clinical Forum (F. 17 May. 9–10) will be held in the Babbage Lecture Theatre.

The same continued.

EXPERIMENTAL PSYCHOLOGY

(there will be an upper limit of 60 students for this course)

Course Organiser: Dr R. McCarthy E-mail: rm107@cam.ac.uk

Lectures by Dr McCarthy and colleagues will be given in the Psychology Lecture Theatre on M. W. F. 2–3 starting on 22 Feb. and practical work M. 4 Mar. at 10–12 or 2–4 M. 11 Mar. at 10–12 or 2–4) will be held in the Psychology Practical Classroom.

The same continued.

SUBSTANCES OF ABUSE AND ADDICTIONCourse Organiser: Dr J. Morton E-mail: ajm41@cam.ac.uk

Lectures by Dr Morton and colleagues will be given in the Pharmacology Lecture Theatre on M. 10–11 and W. 10–11 and 2–3 starting on 25 Feb. and practical work will be held in the Pharmacology Teaching Laboratory.

The same continued.

TUMOUR BIOLOGYCourse Organiser: Dr P. A. W. Edwards E-mail: pawe@mole.bio.cam.ac.uk

Lectures (3) by Dr Edwards and colleagues will be given in the Pathology Lecture Theatre on M. W. 25, 27 Feb. 6 Mar. and practical classes (17 sessions) will be held in the Pathology Seminar Rooms at 10–12 and 2–4 starting on 25 Feb.

The same continued.

APPLIED PHYSIOLOGYCourse Organiser: Professor J. T. Fitzsimons E-mail: jft10@cam.ac.uk**List 2****APPLIED VETERINARY ANATOMY**Course Organiser: Mr J. Grandage E-mail: jg3@mole.bio.cam.ac.uk

Lectures by Mr Grandage will be given in the Anatomy Lecture Theatre on Tu. 9–10 (one lecture) 19 Feb. and Tu. Th. 2–3 from 21 Feb; practical work will be held in the Veterinary Dissection Room on Tu. 2–4 (one session 10–12 30 Apr.)

The same continued.

INFECTIOUS DISEASE IN ANIMALS AND MANCourse Organiser: Dr H. Field E-mail: [hjfl0@cam.ac.uk](mailto:hjf10@cam.ac.uk)

Lectures by Dr Field and colleagues will be given in the Pathology Lecture Theatre on Tu. Th. 11–12 and Tu. 2–3 practical work will be held on 5 Mar. 7 May. 2–4.

The same continued.

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART 1B (continued)

MICHAELMAS 2001

LENT 2002

EASTER 2002

SPECIAL OPTION SUBJECTS (continued)**MAN, MOLECULES AND THE ENVIRONMENT**

Course Organiser: Dr D. Ferguson E-mail: drf1000@cam.ac.uk

Lectures by Dr Ferguson and colleagues will be given in the Pharmacology Lecture Theatre on Tu. Th. 11–12 starting on 21 Feb. practical work will be held in the Pharmacology Teaching Laboratory.

The same continued.

METABOLISM AND DISEASE

Course Organiser: Dr K. Brindle E-mail: kmb@mole.bio.cam.ac.uk

Lectures by Dr Brindle and colleagues will be held on Tu. Th. F. at 3–4 starting on 21 Feb. will be given in the Babbage Lecture Theatre, practical work will be held on 5, 7, 8, 12, 14 and 15 Mar. at 10–12 will be given in the Biochemistry Department CAL Room, Downing Site.

The same continued.

The same continued.

SENSORIMOTOR NEUROBIOLOGY

Course Organiser: Dr H. R. Matthews E-mail: hrm1@cam.ac.uk

Lectures by Dr Carpenter, Dr Edgley, Dr Keynes, Dr Matthews, Dr Rogers, Dr Tolhurst and Dr Winter will be held on Tu. Th. 9–10 and F. 12–1 starting on 21 Feb. in the Physiology Lecture Theatre 3; practical work will be held on Tu. Th. 10–12.

VETERINARY PHARMACOLOGY

Course Organiser: Dr P. Thorn E-mail: pt207@cam.ac.uk

Lectures by Dr Bryant, Dr Evans, Dr Ferguson, Dr Hladky, Dr Houghton, Dr Matthews, Dr Thorn and Dr van Veen will be held on Tu. Th. 10–12 starting on 21 Feb. in the Pharmacology Lecture Theatre; practical work will be held in the Pharmacology Teaching Laboratory.

The same continued.

VETERINARY REPRODUCTIVE BIOLOGY
(Veterinary Students)

Course Organiser Dr A. L. Fowden E-mail: alf1000@cam.ac.uk

Further information may be obtained from the Faculty Web site at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>**Lectures.**Tu. Th. 9 *Biffen Lecture Theatre*

DR A. L. FOWDEN

Reproductive Hormones (Two lectures) 9, 11 Oct.

DR A. L. FOWDEN

Sexual Differentiation (One lecture) 16 Oct.

DR A. FORHEAD AND MR J. GRANDAGE

Gonads (Five lectures) 18, 23, 25, 30 Oct. 1 Nov.

MR J. GRANDAGE

Mating (One lecture) 6 Nov.

DR A. FORHEAD

Fertilisation (One lecture) 8 Nov.

DR S. ELLINGTON

Embryogenesis (One lecture) 13 Nov.

DR S. ELLINGTON

Pregnancy (One lecture) 15 Nov.

DR A. L. FOWDEN AND MR J. GRANDAGE

Placenta (Two lectures) 20, 22 Nov.

DR A. L. FOWDEN

Fetal Growth (One lecture) 27 Nov.

Practicals

M. 2–4 29 Oct. 12, 26 Nov. W. 10–12, 31 Oct. 7, 14, 21 Nov.

Tu. Th. 9 *Biffen Lecture Theatre*

DR A. L. FOWDEN

MR J. GRANDAGE

Birth (Four lectures) 17, 22, 24, 29 Jan.

DR A. L. FOWDEN

Parturition (One lecture) 31 Jan.

DR A. L. FOWDEN

Post-natal (Two lectures) 5, 7 Feb.

DR R. J. BARNES AND MR J. GRANDAGE

Lactation (Two lectures) 12, 14 Feb.

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART 1b (continued)

MICHAELMAS 2001

LENT 2002

EASTER 2002

**PREPARING FOR THE VETERINARY PROFESSION,
(Veterinary Students)**Course Organiser: Dr P. Watson E-mail pjw36@hermes.cam.ac.uk*Lectures will take place in the Biffin Lecture Theatre, Department of Genetics*Further information may be obtained from Faculty Web Site at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>**Lectures.**

Tu, W, Th. 12-1 F, 10-11

MR M. CORKE, MR J. HOULTON AND DR D. WILLIAMS
Veterinary Ethics (Four lectures 3, 4, 12, 19 Oct.)

DR J. SILVERMAN

Communication and the Veterinary Profession (One
Lecture 26 Oct.)

DR A. PODBERSCEK

Introduction to the human-companion animal bond and
the benefits of pet ownership (One Lecture 2 Nov.)

MR M. BINNS AND PROF. L. B. JEFFCOTT

Alternatives to veterinary practice (Two lectures 9, 16
Nov.)

MR A. CHRISTIE, DR G. JACKSON AND PROF. D. MASKELL

Public health, food safety, zoonotic and notifiable disease
(Three lectures 22, 27, 28 Nov.)**Practical Work**Veterinary Communication, Human-companion animal
bond, Visit to Waltham Centre for Pet Nutrition,
Visit to the Centre for Veterinary Medicine, Debate
on hunting with hounds. 26 Oct. 5, 19, 28 Nov.**SSEARP
(Medical Students)**Course organiser: Dr R. J. Barnes E-mail: rjb4@cam.ac.ukFurther information may be obtained from Faculty Web Site at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART II

MICHAELMAS 2001

LENT 2002

EASTER 2002

Introductory Session. W. 2–3.30 *Demonstration Theatre (Theatre 3), Department of Physiology*

The Faculty Board of Biology give notice that the following Papers will be available for the examination in 2002, (*Reporter*, 14 February 2001, p. 472).

FOUR PAPER SUBJECTS**Mechanisms of Disease: from Process to Patient**Course Organiser: Dr J. Xuereb E-mail: jhx1000@cam.ac.uk

Lectures will be held at 10.30 a.m. daily in the *Department of Pathology, Tennis Court Road*. Seminars and Case Studies will be held in the same venue at 1.30 p.m. (see Departmental web site for the lecture list, and timetable of case studies/seminars). Copies of the lecture list may be obtained from Dr J. Xuereb, E-mail jhx1000@cam.ac.uk. after 1 September 2001.

PathologyCourse Organiser: Dr I. Brierley E-mail: ib103@mole.bio.cam.ac.uk

This course consists of lectures from the relevant options chosen from N.S.T. Part II Pathology (see p. 194).
Option A Cellular and Genetic Pathology
Option B Immunology
Option C Microbial and Parasitic Disease
Option D Virology

PharmacologyCourse Organiser: Dr J. M. Edwardson E-mail: jme1000@cam.ac.uk

This course consists of lectures from N.S.T. Part II Pharmacology (see p. 195).

PsychologyCourse Organiser: Dr J. Russell E-mail: jr111@cus.cam.ac.uk

This course consists of lectures from N.S.T. Part II Psychology (see p. 200).

TWO PAPER SUBJECTS**Cellular and Molecular Pharmacology**

This course of lectures from N.S.T. Part II Pharmacology (see p. 192), and must be taken together with Pharmacology of Integrated Systems course.

Clinical Physiology and Neurobiology

This course consists of lectures from Medical Aspects of Neurobiology and Topics in Clinical Physiology (NST Part II: Systems in Clinical Physiology) (see p. 196).

History of Medicine

Department of History and Philosophy of Science, Free School Lane

Prof. P. Lipton and Dr Hodges would like to see all Part II students on Wednesday 3 October at 11 a.m. in *Seminar Room 2, Department of History and Philosophy of Science, Free School Lane*. Discussion of the special needs of M.V.S.T. Part II students taking the Two Paper Subject in History of Medicine will be included in this meeting.

Biological Anthropology

This course will consist of any of two Papers B3, B4 and B5, from Part IIb Biological Anthropology (see p. 218).

Human Impact on the EnvironmentCourse Organiser: Dr J. R. Flowerdew E-mail: j.r.flowerdew@zoo.cam.ac.uk**Lectures.**

DR W. AMOS, DR B. T. GRENFELL, DR P. ROHANI,
DR J. SWINTON AND DR R. JOHNSTONE
Population Biology. M. W. F. 5 (Twenty-four lectures)
Department of Plant Sciences

DR M. BROOKE, DR D. BRIGGS, DR W. AMOS,
DR A. BALMFORD, DR E. V. J. TANNER,
DR J. O'SULLIVAN AND DR I. HODGE
Conservation Biology. M. W. F. 5 (Twenty-
four lectures) *Department of Zoology*

DR J. R. FLOWERDEW AND MR I. T. LAWSON
Human Impact on the Environment.
M. W. F. 5 (Twelve lectures) *Department
of Zoology*

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART II (continued)

MICHAELMAS 2001

LENT 2002

EASTER 2002

PathologyCourse Organiser: Dr I. Brierley E-mail: ib103@mole.bio.cam.ac.uk

This course consists of lectures taken from the relevant options chosen from N.S.T. Part II Pathology (see p. 194)
 Option A Cellular and Genetic Pathology
 Option C Microbial and Parasitic Disease

Pharmacology of Integrated SystemsCourse Organiser: Dr J. M. Edwardson E-mail: jme1000@cam.ac.uk

This course will consist of lectures from N.S.T. Part II Pharmacology, under the section named Pharmacology of Integrated Systems (see p. 195).

Primate and Human Evolutionary Biology and Behaviour

This course will consist of Papers B6 and B7, from Part II B Biological Anthropology (see p. 214).

ONE PAPER SUBJECTS**Biology of Parasitism**Course Organiser: Dr S. Lloyd E-mail: ssl1000@hermes.cam.ac.uk

Lectures will take place in the Department of Clinical Veterinary Medicine, Madingley Road, on M. W. F. 5

DR S. LLOYD AND LORD SOULSBY

Introduction

- The importance of Parasitism (Lecture 1)
- Routes of Transmission (Lecture 2)
- Development within an intermediate host (Lecture 3)
- Parasite Morphology, Classification and Life Cycles (Lectures 4, 5)

Infection Mechanisms and Establishment

- Exsheathment and Hatching Mechanisms, and Parasite Recognition (Lectures 6, 7, 8)
- Parasite Development in Relation to Season, and Hypobiosis (Lectures 9, 10)
- Parasite Population Stability (Lecture 11)

Immunity in Parasitic Infections and Pathogenic Relationship

- The effect of Parasitism on the Gastrointestinal Tract, and Growth and Development of the Host (Lectures 12, 13)
- Anaemia in Parasitism (Lecture 14)
- Intermediate Host Responses to Parasitic Infection (Lecture 15)
- Immune Mechanisms against Arthropods/Immunology (Lecture 16)
- Immune Mechanisms to Tissue Helminths and Protozoa (Lectures 17, 18)
- Mechanisms of Immunity to Gastrointestinal Helminths (Lecture 19)
- Survival of Helminths and Protozoa in the Immunocompetent Host (Lecture 20)
- Immunopathological responses in Helminths and Protozoa (Lecture 21)

Zoonoses

- Taeniasis, Echinococcosis, Toxocariasis and other Larva Migrans, Toxoplasmosis, Trichinellosis and Miscellaneous Nematodes, Fish borne infections, and Water borne Infections (Lectures 22–24)

Zoonoses

- Taeniasis, Echinococcosis, Toxocariasis and other Larva Migrans, Toxoplasmosis, Trichinellosis and Miscellaneous Nematodes, Fish borne infections, and Water borne infections (Lectures 25–28)

Prospects for Control of Parasitic Diseases

- Chemotherapy (Lectures 29, 30)
- Biological Control and Importance of Symbionts (Lectures 31, 32)
- Vaccination and Diagnosis (Lectures 33, 34)
- Parasitism in relation to Environment, Customs, Agriculture, Food Supply (Lecture 35)

Conservation BiologyCourse Organiser: Dr J. Flowerdew E-mail: j.r.flowerdew@zoo.cam.ac.uk

This course will consist of lectures from N.S.T. Part II Zoology (see p. 201).

Genetics and Behaviour

This course will consist of lectures from Paper B3, Part II B Biological Anthropology (see p. 218), and Evolution and Diversity (B4) and Ecology and Adaptation (B5).

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART II (continued)

MICHAELMAS 2001

LENT 2002

EASTER 2002

Medical Aspects of Neurobiology

Timetable Co-ordinator: Dr C. L-H. Huang E-mail: clh11@cus.cam.ac.uk
(Module Organisers are shown below in brackets)

Medical Aspects of Neurobiology

Th. 10, Tu. 10 (*in the Physiology main lecture theatre*)
(Dr J. H. Rogers)

DR C. L-H. HUANG

Neurobiological imaging (Two lectures, 4, 9 Oct.)

PROF. J. PICKARD, MR KIRKPATRICK AND DR TASKER

Cerebrospinal fluid, stroke, intracranial pressure, and
CNS injury (Four lectures, 11, 16, 18, 23 Oct.)

DR M-G. SPILLANTINI

Neurodegeneration (Four lectures, 25, 30 Oct. 1, 6 Nov.)

DR J. H. ROGERS

Neural regeneration (Three lectures, 8, 13, 15 Nov.)

DR J. HUNTER

Development of CNS pharmaceuticals (One lecture, 20
Nov.)

DR R. BARKER

Brain grafting (Two lectures, 22, 27 Nov.)

Medical Aspects of Neurobiology

Th. 10, Tu. 10 (*in the Physiology main lecture theatre*) (Dr J. H. Rogers)

DR R. FRANKLIN

Demyelination and remyelination (Two
lectures, 17, 22 Jan.)

DR S. UPPENKAMP

Disorders of the auditory system (Three
lectures, 24, 29, 31 Jan.)

DR D. J. TOLHURST

Disorders of the visual system (Three lectures,
5, 7, 12 Feb.)

DR G. WHITESIDE

Pain (Two lectures, 14, 19 Feb.)

DR A. ROBERTS

Cognitive disorders in neurobiological disease
(Two lectures, 21, 26, Feb.)

PROF. I. GOODYEAR, DR P. BOLTON,

DR T. HOLLAND AND DR E. GAINTONDE

Scientific basis and treatment of psychiatric
disorders (Four lectures, 28 Feb., 5, 7, 12
Mar.)**Medicine, Ethics and Law**

Course Co-ordinator: Mr J. L. Caddick E-mail: jlc24@cam.ac.uk

DR J. KEOWN

Medical Law Th. 4 *Law Faculty*

MR J. L. CADDICK

Medical Ethics Tu. 4 *Biffen Lecture Theatre,*
*Department of Genetics*The same continued. Th. 4 *Law Faculty*The same continued. Tu. 4 *Department of*
*Genetics***Medicine, Health and Illness**

Course Organiser: Prof. B. Turner E-mail: bst22@cam.ac.uk

This course will consist of lectures from Paper 19, Part II of the Social and Political Sciences Tripos (see p. 126).

Topics in Clinical Physiology

Timetable Co-ordinator: Dr C. L-H. Huang E-mail: clh11@cus.cam.ac.uk
(Module Organisers are shown below in brackets)

Topics in Clinical Physiology W. 10, F. 10 unless otherwise
stated (*in Physiology Lecture Theatre 3*) (Dr S. L.
Dickson)

DR R. J. BARNES

Limitations and control of cardiovascular performance
(Four lectures, 5, 10, 12, 17 Oct.)

DR C. ACERINI

Effects of androgens in early fetal sex determination.
Insulin action. (Two lectures, 19, 26 Oct.)

PROF. K. CHATTERJEE

Nuclear receptors and human disease. (Two lectures,
M. 9, 22, 24, Oct.)

PROF. D. DUNGER

Regulation function of IGF-I. Hormonal regulation
pubertal growth development. (Two lectures, 2, 9
Nov.)

DR S. L. DICKSON

Hypothalamic control of body weight. (Three lectures,
14, 16, 21 Nov.)

DR A. VIDAL-PUIG

Molecular mechanisms controlling energy homeosis.
(Two lectures, 23, 28 Nov.)

Topics in Clinical Physiology W. 10, F. 10 unless
otherwise stated (*in Physiology Lecture Theatre 3*) (Dr S. L. Dickson)

DR S. O. SAGE

Renal physiology. (Four lectures, 18, 23, 25, 30
Jan.)

PROF. J. T. FITZSIMONS

Renin-angiotensin Systems. (Six lectures, 1, 6,
8, 13, 15, 20 Feb.)

DR J. BRADLEY

Chronic renal failure (Two lectures, 22, 27
Feb.)

DR J. FIRTH

Renal disease (Two lectures, 1, 6 Mar.)

DR F. KARET AND DR K. SMITH

Disorders of sodium handling. Physiology of
the nephritic syndrome (Two lectures, 8,
13 Mar.)