

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART I_B

MICHAELMAS 2007

LENT 2008

EASTER 2008

BIOLOGY OF DISEASE

Course Organiser: Dr I. B. Kingston (email: ibk1000@cam.ac.uk)Course Website: www.path.cam.ac.uk/ugrad/part1/All lectures take place in *Chemical Laboratory Lecture Theatre 1* at M. W. F. 12, unless otherwise stated

PROF. A. H. WYLLIE

Cell Injury. (One lecture, 5 Oct.)

DR A. MOFFETT

Innate Immune System; Acute Inflammation: Defence Mechanisms; Healing and Chronic Inflammation. (Three lectures, beginning 8 Oct.)

DR A. KELLY

The Adaptive Immune System; B Cells and Antibodies; The Major Histocompatibility Complex; T Cells. (Four lectures, beginning 15 Oct.)

PROF. J. TROWSDALE

Tolerance; Autoimmunity; Hypersensitivity; Transplantation. (Four lectures, beginning 24 Oct.)

PROF. A. C. MINSON

Viral Multiplication in the Host Cell; Nature of Viruses; Responses to Viral Infection; Acute and Chronic Infection; Epidemiology of Viral Infection; Combating Viral Infection; Prion Diseases. (Seven lectures, beginning 2 Nov.)

DR I. B. KINGSTON

Introduction to Parasitic Diseases; Key Examples of Parasitic Diseases: Malaria; Key Examples of Parasitic Diseases: Schistosomiasis. (Three lectures, beginning 19 Nov.)

DR A. CARMICHAEL

Fungi (Two lectures, beginning 26 Nov.)

Practical Work. *Department of Pathology.* Tu. a.m. and p.m., W. a.m., Th. a.m. and p.m., F. a.m. and p.m.

DR G. FRASER

Bacterial Disease – Past, Present and Re-emerging; Bacteria: Prokaryotic Pathogens; Bacteria – Host Interaction: Pathogenicity; Host Damage – Toxins, the Host Response; Bacterial Pathogenicity in the Respiratory Tract; Bacterial Pathogenicity in the Gastrointestinal Tract; Combating Bacterial Disease. (Seven lectures, beginning 16 Jan.)

Note the early start of this course.

PROF. A. WYLLIE

Vascular reactions to injury; Atherosclerosis; Ischemia, infarction and their results. (Three lectures, beginning 1 Feb.)

PROF. M. A. STANLEY

The Regulation of Tissue Growth and Organisation; Clinical Pathology of Tumours; Biology of Tumours; Genetic Basis of Neoplasia; Causes of Cancer. (Five lectures, beginning 8 Feb.)

T.B.A.

COMPARATIVE VERTEBRATE BIOLOGY

(Veterinary Students)

Course Organiser: Dr J. H. Brackenbury (email: jhb1000@hermes.cam.ac.uk)Further information may be obtained from the Faculty Website at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>**Lectures.** *Arts School Room A unless otherwise stated*DR J. H. BRACKENBURY AND PROF. W. A. HARRIS
Vertebrate Structure and Function. (Eight Lectures, M. 9 (18 Feb.); W. 9 (20 Feb.); Th. 10 (28 Feb.); W. 9 (5 Mar.); W. 12 (5 Mar. *Biffen Lecture Theatre*); F. 9 (7 Mar.); Tu. 10 (11 Mar.); W. 9 (12 Mar.))DR D. R. J. BAINBRIDGE, DR D. R. J. CHIVERS AND DR J. H. BRACKENBURY
The Mammalian Head. (Seven lectures, W. 12 (20 Feb. *Biffen Lecture Theatre*); Tu. 10 (26 Feb.); W. 9 (27 Feb.); Tu. 10 (4 Mar.); Th. 10 (6 Mar.); M.9 (10 Mar.); Tu. 9 (11 Mar. *Arts School Room B*))**Practical Work**

Dissection of the domestic animals, examination of live animals, fresh viscera, radiographs, laboratory work and other activities. (M. and W. 10–12)

Lectures. *Arts School Room A unless otherwise stated*DR J. H. BRACKENBURY AND MRS J. PEARSON
Vertebrate Structure and Function (continued). (Five lectures, W. 9 (30 Apr.); Th. 9 (1 May *Biffen Lecture Theatre*); Tu. 9 (6 May *Arts School Room B*); W. 9 (7 May); F. 9 (9 May))
DR D. R. J. BAINBRIDGE AND DR D. R. J. CHIVERS
The Mammalian Head (continued). (Three lectures, W. 9 (23 Apr. *Anatomy Lecture Theatre*); Th. 9 (24 Apr. *Anatomy Lecture Theatre*); F. 9 (2 May *Biffen Lecture Theatre*))**Practical Work**

The same continued.

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

MICHAELMAS 2007

LENT 2008

EASTER 2008

HUMAN REPRODUCTION

(Medical Students)

Course Organiser: Dr P. Schofield (email: ps@mole.bio.cam.ac.uk)

Further information may be obtained from the Faculty Website at <http://www.bio.cam.ac.uk/sbs/facbio/mvst.html>All lectures take place in the *Anatomy Lecture Theatre*, on M. Tu. Th. S. 9, W. 2 unless otherwise stated.

DR W. H. COLLEDGE

Endocrinology. (Three lectures, 5, 12, 19 Nov.) *Chemistry Lecture Theatre*

REVD DR J. CADDICK

Principles of Medical Ethics. (Five lectures, 16, 17, 22, 23, 24 Jan.)

DR P. SCHOFIELD

Sexual Differentiation. (One lecture, 29 Jan.)

Reproductive Hormones: the Sexual Messengers (One lecture, 30 Jan.)

Gametogenesis and Ovarian Cycles. (Three lectures, 31 Jan, 5, 6 Feb.)

PROF. G. BURTON

Coition, Fertilization and Blastocyst Development. (Three lectures, 7, 12, 13 Feb.)

Placentation (Two lectures, 14, 19 Feb.)

PROF. A. FOWDEN

Maternal Adaptations to Pregnancy and Placental Physiology. (One lecture, 21 Feb.)

Preparation for Birth and Delivery. (Two lectures, 26, 28 Feb.)

Lactation and Neonatal Physiology (Two lectures, 3, 4 Mar.)

DR J. POWLES

Reproduction, Demography and Population Health. (Three lectures, 6, 10, 11 Mar.)

DR E. GKRIANIA-KLOTSAS

HIV & Aids (One lecture, F.11 (14 Mar.))

MECHANISMS OF DRUG ACTION

Course organiser: Dr Z. Sarnyai (email: zs220@cam.ac.uk)

Further information may be obtained from the Department of Pharmacology Website at http://www.phar.cam.ac.uk/undergrads/under_mvst1b_moda.html**Lectures.** M. 10, Tu. Th. 12 *Chemistry Main Lecture Theatre*

DR J. M. EDWARDSON

Drug Interactions with Receptors and Ion Channels. (Five lectures, 9–18 Oct.)

DR C. R. HILEY

Pharmacology of Peripheral Neural Transmission. (Five lectures, 22–30 Oct.)

DR R. M. HENDERSON

Human Aspects of Cardiovascular and Renal Pharmacology. (Six lectures, 1–13 Nov.)

Medical Students**Lectures.** M. 10, Tu. Th. 12 *Chemistry Main Lecture Theatre*

DR R. M. HENDERSON

Cardiovascular and Renal Pharmacology (Four lectures, 15–22 Nov.)

Veterinary Students**Lectures.** M. 10, Tu. Th. 12 *Lecture Theatre, Department of Pharmacology*

DR J. S. GIBSON

Anthelmintics (Two lectures, 15, 19 Nov.)

DR J. BREARLY

Aspects of Veterinary Pharmacology (Two lectures, 20, 22 Nov.)

Practical Work. M. 2–5 or F. 2–5. (Weeks 2–7) Students are allocated five out of the six weeks. A detailed timetable will be posted in the Department, on CamTools and on the Pharmacology website.**Lectures.** M. 11 *Babbage Lecture Theatre*; Tu. Th., 12 *Chemistry Main Lecture Theatre*

DR R. D. MURRELL-LAGNADO

Pharmacokinetics, Drug Metabolism, and General Anaesthetics. (Five lectures, 17–24, 29 Jan.)

DR M. A. BARRAND

Pharmacology of Inflammation and Immunosuppression. (Five lectures, 31 Jan.–7 Feb., 12 Feb.)

DR H. W. VAN VEEN

Chemotherapy. (Five lectures, 14–21, 26 Feb.)

Practical Work.

The same continued. (Weeks 3–7) Students are allocated to one of the two pairs of practicals. A detailed timetable will be posted in the Department, on CamTools and on the Pharmacology website.

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

MICHAELMAS 2007

LENT 2008

EASTER 2008

NEUROBIOLOGY AND ANIMAL BEHAVIOUR

(Veterinary Students)

Course Organiser: Dr I. M. Winter (email: imw1001@cam.ac.uk)

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

All lectures take place in the *Babbage Lecture Theatre*, on M. W. F. 9 and *Physiology Lecture Theatre 3*, on Tu. 9 unless otherwise stated.

DR S. A. EDGLEY

Introduction to CNS. (One lecture, 4 Oct.)

DR H. R. MATTHEWS

Biology of neurons. (Two lectures, 5, 8 Oct.)

DR D. R. J. BAINBRIDGE

CNS Morphology. (One lecture, 9 Oct.) *Physiology**Lecture Theatre 3*CNS Overview. (One lecture, 10 Oct.) *Physiology Lecture**Theatre 3*

DR I. M. WINTER

Somatic Sensation and Pain. (Three lectures, 12, 15, 17

Oct.)

DR D. R. J. BAINBRIDGE

CNS Environment. (One lecture, 16 Oct.) *Physiological**Lecture Theatre 3*

PROF. P. A. MCNAUGHTON

Pharmacology of Pain. (One lecture, 19 Oct.)

DR S. A. EDGLEY

The Motor System. (Five lectures, 22, 24, 26, 29, 31 Oct.)

DR D. R. J. BAINBRIDGE

Cranial Nerves. (Two lectures, 23, 30 Oct.) *Physiology**Lecture Theatre 3*

PROF. R. C. HARDIE

The Visual System. (4 lectures, 2, 5, 7, 9 Nov.)

DR D. R. J. BAINBRIDGE

Eye: Neurological Aspects. (One lecture, 6 Nov.)

Physiology Lecture Theatre 3

DR H. R. MATTHEWS

Olfaction and Taste. (One lecture, 12 Nov.)

DR D. R. J. BAINBRIDGE

Ear: Neurological Aspects. (One lecture, 13 Nov.)

Physiology Lecture Theatre 3

DR I. M. WINTER

Hearing. (Two lectures, 14, 16 Nov.)

PROF. R. J. M. FRANKLIN

Veterinary CNS. (Two lectures, 20, 27 Nov.) *Physiology**Lecture Theatre 3*

DR A. C. ROBERTS

Arousal, Homeostasis and Motivation. (Three lectures,

19, 21, 23 Nov.)

DR J. H. ROGERS

Development, Plasticity and Repair of the Nervous

System. (Two lectures, 26, 28 Nov.)

Practicals

Practical classes in Veterinary Neuroanatomy and Special Senses and in Neurophysiology and Animal Behaviour as indicated in the online timetables.

DR A. N. OTHER

Animal Behaviour. (Seven lectures, 16, 18, 21,

23, 25, 28, 30 Jan.)

PROF. P. A. MCNAUGHTON

Neuropharmacology. (Three lectures, 2, 4, 6

Feb.)

Practicals

The same continued.

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

MICHAELMAS 2007

LENT 2008

EASTER 2008

NEUROBIOLOGY AND HUMAN BEHAVIOUR

(Medical Students)

Course Organiser: Dr I. M. Winter (email: imw1001@cam.ac.uk)

Further information may be obtained from the Faculty Website at <http://www.bio.cam.ac.uk/sbs/facbio/mvst.html>All lectures take place in the *Babbage Lecture Theatre M. W. F. 9*

DR S. A. EDGLEY

Introduction to CNS. (One lecture, 4 Oct.)

DR H. R. MATTHEWS

Biology of Neurons. (Two lectures, 5, 8 Oct.)

PROF. R. KEYNES

Blood Brain Barrier, CSF and Cerebral Blood Flow. (One lecture, 10 Oct.)

DR I. M. WINTER

Somatic Sensation and Pain. (Three lectures, 12, 15, 17 Oct.)

PROF. P. A. MCNAUGHTON

Pharmacology of Pain. (One lecture, 19 Oct.)

DR S. A. EDGLEY

The Motor System. (Five lectures, 22, 24, 26, 29, 31 Oct.)

PROF. R. C. HARDIE

The Visual System. (Four lectures, 2, 5, 7, 9 Nov.)

DR H. R. MATTHEWS

Olfaction and Taste. (One lecture, 12 Nov.)

DR I. M. WINTER

Hearing. (Two lectures, 14, 16 Nov.)

DR A. C. ROBERTS

Arousal, Homeostasis and Motivation. (Three lectures, 19, 21, 23 Nov.)

DR J. ROGERS

Development, Plasticity and Repair of the Nervous System. (Two lectures, 26, 28 Nov.)

Practical Work

Practical classes in Neuroanatomy and Neurophysiology, as indicated in the online timetables.

PROF. B. J. EVERITT

Neurobiology of Mental Illness I. (Three lectures, 16, 18, 21 Jan.)

DR L. CLARK

Neurobiology of Mental Illness II. (Three lectures, 23, 25, 28 Jan.)

DR L. SAKSIDA

Psychology of Cognition and Memory. (Two lectures, 30 Jan, 1 Feb.)

DR A. C. ROBERTS

Neurobiology of Learning, Memory and Cognition. (Five lectures, 4, 6, 8, 11, 13 Feb.)

DR P. J. RICHARDSON

Pharmacology and Drug Treatment of CNS Disorders. (Six lectures, 15, 18, 20, 25, 27, 29 Feb.)

Clinical Demonstration22 Feb., 9–11 *William Harvey Lecture Theatre, Addenbrooke's Hospital***VETERINARY REPRODUCTIVE BIOLOGY**

(Veterinary Students)

Course Organiser: Dr D. R. J. Bainbridge (email: db125@cam.ac.uk)

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

DR W. H. COLLEDGE

Endocrinology. (Three lectures, 5, 12, 19 Nov.) *Chemistry Lecture Theatre*

DR W. H. COLLEDGE

Reproduction. (Six lectures, 17, 19, 22, 24, 26, 29 Jan. *Physiology Lecture Theatre 1*)

DR S. K. L. ELLINGTON

Development. (Two lectures 31 Jan, 2 Feb.) *Physiology Lecture Theatre 1*

DR D. R. J. BAINBRIDGE, DR A. FOWDEN

Biology of Pregnancy. (Four lectures, 5, 7, 9, 12 Feb.) *Physiology Lecture Theatre 1*

DR D. R. J. BAINBRIDGE AND PROF. A. FOWDEN

Birth, Lactation and the Neonate. (Three lectures, 14, 16, 19 Feb.) *Physiology Lecture Theatre 1*

DR J. GIBSON, DR J. HOLMES AND DR D. R. J. BAINBRIDGE

Comparative Aspects of Reproduction. (Nine lectures F. 10 (18 Jan. *Physiology Lecture Theatre 3*), F. 10 (25 Jan. *Physiology Lecture Theatre 3*), Tu. 10 (12 Feb. *Main Physiology Lecture Theatre*), W. 9 (13 Feb. *Main Physiology Lecture Theatre*), Th. 9 (21 Feb. *Arts School Room B*), Tu. 9 (26 Feb. *Arts School Room B*), Th. 9 (28 Feb. *Arts School Room B*), Th. 9 (6 Mar. *Arts School Room B*))**Practical Work**

Anatomy and physiology of the mammalian reproductive system. (M 2–4, W 10–12)

Practical Work

The same continued. (F. 10–12)

MEDICAL AND VETERINARY SCIENCES TRIPOS, PART IB (continued)

MICHAELMAS 2007

LENT 2008

EASTER 2008

SPECIAL OPTIONS SUBJECTS

(Medical Students)

Courses will be offered in the options set out below in the two lists. Lectures and practicals will commence in the week beginning 25 February and continue in the Easter Term. Candidates are required to take one option from each list. Restrictions on numbers apply to some options. Detailed timetables, and links to further information are posted on the Faculty web site at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html> Vet students do not take the special options but instead take a compulsory course in Comparative Vertebrate Biology (see p. 163).

List 1

Lectures and practicals in the following List 1 options will be on Mondays, Wednesdays and Fridays

CLINICAL AND APPLIED PHYSIOLOGYCourse Organiser: Dr R. Barnes (email: rjb4@emma.cam.ac.uk)**EXPERIMENTAL PSYCHOLOGY**Course Organiser: Dr J. Lee (email: jlcl2@cam.ac.uk)**INFECTIOUS DISEASES**Course Organiser: Dr I. B. Kingston (email: ibk1000@cam.ac.uk)**JANUS DRUGS: USE AND ABUSE**Course Organiser: Dr J. Morton (email: ajm41@cam.ac.uk)**List 2**

Lectures and practicals in the following List 2 options will be on Tuesdays, Thursdays and Fridays

DEVELOPMENTAL BIOLOGYCourse Organiser: Dr P. Schofield (email: ps@mole.bio.cam.ac.uk)**MAN, MOLECULES AND THE ENVIRONMENT**Course Organiser: Dr M. Barrand (email: mb10002@cam.ac.uk)**SENSORIMOTOR NEUROBIOLOGY**Course Organiser: Dr H. Matthews (email: hmr1@cam.ac.uk)**TUMOUR BIOLOGY**Course Organiser: Dr P. A. W. Edwards (email: pawe1@cam.ac.uk)**REPARING FOR PATIENTS**

(Medical Students: SECOND M.B. EXAMINATIONS)

Course Organiser: Dr J. Silverman (email: js355@medschl.cam.ac.uk)Further information may be obtained from the Faculty Website at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>

There are four strands to this course, which run over the three pre-clinical years of study.

PREPARING FOR PATIENTS B (Second Year Strand)

(Medical students: SECOND M.B. EXAMINATION)

Students will be divided into three groups. There will be a briefing followed by two hospital visits and then a review session. Students will be notified to which group they have been allocated.

MRS J. GRIFFITHS AND DR J. SILVERMAN

Group 1

Briefing. 24 Sep., 10–12 *Pathology Lecture Theatre*
Review. 27 Sept., or 28 Sept., 9–10.30, 11–12.30, or
 2–3.30, 4–5.30 *Department of Pathology Seminar*
Room

Group 2

Briefing. 29 Nov., 10–12 *Anatomy Lecture Theatre*
Review. 4 or 5 Dec., 9–10.30, 11–12.30, or 2–3.30, 4–5.30
Department of Pathology Seminar Room

Group 3

Briefing. 9 Jan., 10–12 *Pathology Lecture Theatre*
Review. 14 or 15 Jan., 9–10.30, 11–12.30, or 2–3.30,
 4–5.30 *Department of Pathology Seminar Room*

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

MICHAELMAS 2007

LENT 2008

EASTER 2008

PREPARING FOR PATIENTS C (Second Year Strand)

(Medical students: SECOND M.B. EXAMINATION)

Students will be expected to undertake course work for Preparing for Patients C over the summer vacation.

MRS J. GRIFFITHS AND DR J. SILVERMAN Briefing , 6 Mar., 3–5. <i>Anatomy Lecture Theatre</i>

PREPARING FOR PATIENTS D (Third Year Strand)

(Medical students: SECOND M.B. EXAMINATION)

In addition to the courses students are taking in their third year (NST Part II or other Triposes) medical students are expected to follow the fourth strand of Preparing for Patients.

MRS J. GRIFFITHS AND DR J. SILVERMAN Briefing , 3 Oct. 4–5.30 <i>Anatomy Lecture Theatre</i> Review , 13 or 14 or 17 or 18 Mar., 10–12 or 2–4 <i>Mill Lane Lecture Rooms</i>
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Students will be notified which session to attend.

PREPARING FOR THE VETERINARY PROFESSION (Second Year Strand)

(Veterinary Students: SECOND VET M.B. EXAMINATION)

Course Organiser: Dr J. Brearley (email: jcb78@cam.ac.uk)

Further information may be obtained from the Faculty Website at <http://www.bio.cam.ac.uk/sbs/facbiol/mvst.html>Lectures will take place in the *Biffen Lecture Theatre, New Museums Site* unless otherwise stated

DR R. FRANKLIN AND DR D. TUCKER Veterinary History and Animal/Human Health Interface. (Two lectures, 3 Oct. W. 2–3. & 3–4) <i>Department of Veterinary Medicine</i>

DR D. WILLIAMS Veterinary Ethics. (Three lectures, Thu. 5 Oct. 12–1, M. 29th Oct. 2–3. M. Nov. 5th, 2–3)

DR D. TUCKER AND OTHERS Public Health, Food Safety, Zoonotic and Notifiable Disease. (Three lectures, M. 5 Nov. 3–4, Thu 8 Nov. 9–10, M. 19th Nov. 2–4)
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MR J. HOULTON Veterinary Communication (one lecture M. 19th Nov. 3–4)
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MR B. LACEY The Pharmaceutical Industry and the Veterinary Profession (one lecture Thu. Nov. 29th 12–1 p.m. Dept of Veterinary Medicine)

DR J. WOOD The Veterinary Profession and the International Control of Infectious Disease (one lecture Thu. Nov. 29th 2–3 Dept of Veterinary Medicine)
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Practicals W. 28th Nov. 2–5 p.m. <i>Department of Veterinary Medicine</i>

DR J. SILVERMAN Communication skills and the Veterinary Profession (one lecture W. 16th Jan. 2–3 p.m.)

Practicals 16 Jan. 3–5 <i>Biffen Lecture Theatre</i> 17 Jan. 2–4 <i>Department of Veterinary Medicine</i> 22 Feb. 9–1 p.m. <i>Department of Veterinary Medicine</i>
