

**UNIVERSITY OF CAMBRIDGE  
DEPARTMENT OF VETERINARY MEDICINE  
THE QUEEN'S VETERINARY SCHOOL HOSPITAL**

**SENIOR CLINICAL TRAINING SCHOLARSHIP  
ANAESTHESIA**

**1. Scholarship application procedure**

Scholarship applicants should supply the following documents:

- A scholarship application form
- A Curriculum Vitae
- A covering letter giving reasons for wishing to undertake the Scholarship

References may be taken up early in the selection process in order to facilitate shortlisting for interview. Scholarship applicants should indicate if this is likely to cause any difficulty with a current employer.

Applications can be made via e-mail to [vetmed@hermes.cam.ac.uk](mailto:vetmed@hermes.cam.ac.uk) with the above documents as attachments, to arrive no later than 8 March 2015.

The Department will endeavour to notify scholarship applicants who have been shortlisted for interview within ten days of the closing date for applications.

Interviews for the Scholarship will be held on 24 March 2015.

**2. Selection criteria for applicants**

The following are essential:

- Either Membership of the Royal College of Veterinary Surgeons, or possession of a veterinary degree that qualifies the holder for Membership of the RCVS (the candidate must ensure MRCVS registration by the start date)
- Either successful completion of a recognised rotating internship of at least one year or at least two years' experience in general practice
- Experience of working, and willingness to work, as part of a team
- Willingness to seek, and to accept guidance and supervision
- Ability to prioritise tasks and demands
- Excellent communication skills, both verbal and written
- Ability to deal with a wide range of people, excellent interpersonal skills
- A good understanding of the professional context of veterinary medicine
- For applicants for whom English is not their first language, a score of 7.5 in IELTS (with no element under 7), or a score of 100 in TOEFL (with no element less than 24 - internet based test)\*

- Ability to work flexibly and to deal with both uncertainty and rapidly changing situations
- Ability to communicate the basic aspects of veterinary anaesthesia to veterinary undergraduates

The following are preferred:

- An interest in a career in academia
- Good basic clinical skills and knowledge of general medicine and surgical techniques
- Basic experience in clinical research and scientific publication
- An interest in teaching anaesthesia, analgesia and peri-operative medicine
- A good understanding of general practice conditions in the uk
- Experience with both large and small animals

**University of Cambridge**  
**Department of Veterinary Medicine**

**The Queen's Veterinary School Hospital**  
**Senior Clinical Training Scholarship in Anaesthesia**

**Training Programme**

*Duration*

Start date 3 August 2015 or as soon as possible thereafter. One year in the first instance, renewable for periods of one year up to a total of three years.

*Aims of Senior Clinical Training Scholarship (SCTS)*

The purpose of this Training Programme is to enable the Senior Clinical Training Scholar (SCTS) to gain a greater understanding of applied sciences related to anaesthesia, pain management, peri-operative medicine and critical care in both small and large animals. The scholar should also develop a critical approach to the scientific literature, be aware of the principles, benefits and limitations associated with evidence based medicine and to start to appreciate factors involved in scientific investigations.

*The Scholar will be under the direct supervision of the Clinical Supervisor:*

**Dr Jacqueline Brearley MA VetMB PhD DVA DipECVAA MRCA MRCVS**  
European Specialist in Veterinary Anaesthesia and Analgesia  
University Senior Lecturer in Veterinary Anaesthesia

*With additional supervision from:*

**Matthew McMillan BVM&S DipECVAA MRCVS**  
Clinical Anaesthetist

*Time allocation*

The majority of the 3 year programme will be spent conducting clinical anaesthesia and critical care under the direction of Dr Brearley and the other diplomates. This will constitute the majority of the residency. The degree of responsibility assumed by the SCTS will be appropriate to the nature of the procedure, training and personal experience. Initially this will be limited to working closely with one of the diplomates in the first year. As the residency progresses increasing amounts of responsibility will be given to the SCTS until by the third year almost total case responsibility will be assumed with access to a senior member of staff as required. Additional time will be spent with the internal medicine, surgery, clinical pathology and imaging services at the Queen's Veterinary School Hospital. During veterinary anaesthesia rotations, the SCTS will attend "in house" SCTSs discussion groups, morbidity and mortality focus groups and ward rounds. The SCTS will participate in the veterinary anaesthetic emergency service

with senior support appropriate to the stage of training. The scholar will also rotate through the critical care and recovery room in order to gain experience in peri-operative medicine and advanced case management.

At least 20% of the programme will be spent in conducting the clinical research investigation, preparation of scientific manuscripts, rotation through discipline which are related to but are not anaesthesia, external veterinary anaesthesia rotations to assist with experience and caseload requirements and visiting an anaesthesia unit in a human medical hospital.

Time will also be allowed for further study, conference attendance and holiday time.

The SCTS will attend relevant conferences on anaesthesia and related subjects. E.g. the conferences of the Association of Veterinary Anaesthetists, BSAVA, BEVA

Year 1: the SCTS will concentrate on the clinical research project in order to allow enough time for collation of results and publication before the end of the residency. They will also start to develop the clinical skills required to allow full case responsibility in subsequent years. An externship to a training centre with a high equine caseload will be encouraged.

Year 2: continuation of the research project and development of clinical skills. Depending on the candidate teaching of undergraduate students will also be assigned. More case presentations will be expected at rounds as will paper reviews. This year will also include rotations through other disciplines at the QVSH. An externship to a training centre with a large equine and farm animal caseload will be encouraged.

Year 3: publication of case reports and clinical investigation results. The SCTS will be assuming full case responsibility and increased teaching load of undergraduates e.g. lecturing and small group teaching. Teaching of interns in anaesthesia, analgesia intensive care will be encouraged. Externships in this year will aim at providing experience in areas of veterinary anaesthesia that are not readily available in the department e.g. equine colic anaesthesia, laboratory and exotic animal anaesthesia, cardiac anaesthesia, human anaesthesia and intensive care. The final aim is for the SCTS to be able to credential at the next available round of ECVAA diploma exams after the scholarship has completed.

### *Resources*

This SCTS programme will be based at The Queen's Veterinary School Hospital, University of Cambridge.

The Hospital facilities include:

- Fully equipped and staffed diagnostic facilities for the examination and treatment of small and large animal and equine medical and surgical conditions. There is also a significant exotic pet caseload.

- Two large animal and five small animal theatres, with extensive anaesthetic and monitoring equipment
- Diagnostic imaging capabilities including x-ray, MRI, scintigraphy and ultrasound
- Fully staffed nursing wards and intensive care facilities
- On site clinical pathology and histopathological staff and laboratories
- A well-stocked veterinary library and access to the local human teaching hospital (Addenbrooke's) library.
- Easily accessible computer and internet facilities

#### *Emergency service*

The SCTS will participate in the out-of-hours rota gaining valuable and essential experience in emergency work and patient management including intensive care cases. Participation in the out of hours weekday and weekend rota is shared. Full back-up cover is provided by diploma holding anaesthetists.

#### *Departmental Structure and SCTS Training*

The Department has well-established and highly successful SCTS programmes in other disciplines with an outstanding achievement for specialist qualifications of the Royal College of Veterinary Surgeons and the European Colleges. Dr Brearley has supervised 10 SCTSs previously, with 6 successful candidates in ECVAA or RCVS Diploma in Veterinary Anaesthesia examinations and 4 candidates who are preparing for examinations.

#### *Teaching and Continuing Professional Development*

The SCTS will be expected to attend the day release courses organised by the University of Cambridge on teaching and learning in higher education. These courses deal with education methods (lectures, seminars and small group teaching etc.) for lecturers involved in tertiary education. There are also computer, research methodology and audiovisual courses available.

Scholars have to prepare and attend presentations given by and to members of the department for critical appraisal by colleagues in the Hospital. In addition to this, continuing education presentations to patient owners, veterinary surgeons and nurses will be a requirement of the SCTS programme.

Excellent support will be provided to the SCTS from other clinicians all the clinical areas including staff in surgery, imaging, internal medicine, neurology and clinical pathology.

#### *Research Programme*

Clinically orientated research to advance the understanding and management of anaesthesia and pain management in small animals is an important and vital aspect of the SCTS training. The proposed topic of the research programme will be 'Effects of drug combinations on duration of epidural analgesia in dogs'. The SCTS will be allocated time during the first and second year of the SCTS to complete the clinical research project. The SCTS will be encouraged to apply for other research grants in order to gain experience in grant applications and management.

### *Undergraduate Teaching Participation*

The SCTS will be encouraged to participate in

- 1<sup>st</sup> and 2<sup>nd</sup> year small group teaching (supervision for Colleges)
- 4<sup>th</sup> and 5<sup>th</sup> year clinical and practical classes. In the second and third year of the SCTS the Scholar may be involved in the didactic lectures to the fourth and fifth year veterinary students.
- 6<sup>th</sup> year clinical teaching in anaesthesia and intensive care. He or she will be expected to contribute to seminars, practicals and case rounds. This will provide the opportunity for the development of seminar presentation techniques, supervision of students performing anaesthesia, clinical case management and continuous assessment of students.

### *Collaborative Arrangements*

Scholars are encouraged to spend short periods of study at alternative institutions. We have strong links to internationally acclaimed referral hospitals both in the United Kingdom and abroad, and externships are encouraged. The SCTS will be expected to organise externships with guidance from Dr Brearley.

### *Publications*

The SCTS will be expected to prepare and publish at least two scientific papers in refereed journals during the programme. The SCTS will also be encouraged to attend conferences. He or she will be expected to present papers on these topics at scientific meetings such as the Conferences of Association of Veterinary Anaesthetists Annual Congress of the British Small Animal Association, or the British Equine Veterinary Association Congress

### *Examinations*

The qualification that the applicant will study for is:

- The Diploma of the European College of Veterinary Anaesthesia and Analgesia

**UNIVERSITY OF CAMBRIDGE**

**DEPARTMENT OF VETERINARY MEDICINE**

**Senior Clinical Training Scholarship in Anaesthesia**

**TERMS AND CONDITIONS**

The Scholarship is for one year in the first instance, renewable for periods of one year up to a total of three years. The Scholarship is subject to an initial monitoring period of six months, and to review on an annual basis.

The annual award for a Scholarship awarded with a start date between 1 October 2014 and 30 September 2015 is:

Year 1:	£ 21,390.00
Year 2:	£ 21,890.00
Year 3:	£ 22,390.00

The Scholar will be required to enrol for an appropriate postgraduate qualification (e.g. ECVAA Diploma); Study leave will be allocated according to the guidelines of the specific postgraduate qualification.

The purpose of the Scholarship is to enable the Scholar to receive a full-time clinical training under the direct supervision of clinical academic members of staff, and to gain the clinical caseload, research and teaching experience that is prescribed as a prerequisite for undertaking the examinations for the postgraduate qualification for which s/he is enrolled.

The Scholar will be assigned a Clinical Supervisor, who will take responsibility for overseeing all aspects of the training of the Scholar.

The Scholar will be required to undertake the clinical duties (including out-of-hours duties) necessary to gain the appropriate training.

CPD opportunities may arise during the course of the Scholarship and the Scholar will be authorised to undertake these if deemed necessary and approved by the Clinical Supervisor.

An important aspect of the training will be to accept professional responsibility for clinical case management under the supervision of a senior clinician, and to undertake such investigation, therapeutic measures and surgical procedures as are necessary under the supervision/direction of the Clinical Supervisor.

The Scholar's research project will be agreed between the Scholar, the Clinical Adviser, and the Resident Research Advisory Panel.

The Scholar will be required to participate in undergraduate, and occasionally postgraduate teaching, as directed by the Clinical Supervisor.

The Scholar and the Clinical Supervisor will meet on a monthly basis during the initial monitoring period, in order to establish training targets and to discuss the Scholar's progress.

Details of targets and progress will be recorded on a monitoring form that will be signed by the Scholar and the Clinical Supervisor, and submitted to the Professor in charge of the SCTS programme.

At the end of each year a written report on the Scholar's progress will be made by the Clinical Supervisor to the Professor in charge of the SCTS programme.

The undertaking of external professional activities will only be permitted in exceptional circumstances, and must be discussed with, and approved by, the Clinical Supervisor and the Professor in charge of the SCTS programme, and must not interfere with Scholarship duties.

An annual allowance of up to £500 is available to contribute to the cost of CPD. The Hospital does not pay for examination fees, and the Scholar is expected to cover these herself or himself.

### **1. Teaching, Demonstration and other Paid Work**

A Scholar may undertake teaching and demonstrating in the University and the Colleges, subject to the Clinical Supervisor's approval, provided that the total demand on their time, including time spent in preparation, does not normally exceed six hours a week.

### **2. Holiday entitlement**

Not more than 28 days' holiday, including public holidays, may be taken in each year of the Scholarship. On a public holiday, clinical and out-of-hours duties will be undertaken on a rota basis, and in this case it will be possible to take a day's holiday on an alternative date. In the event that the Scholarship ends early, holiday will be on a pro rata basis. Holiday cannot be carried forward from one year of the Scholarship to another, except in exceptional circumstances and with advance approval from the Clinical Supervisor.

### **3. Sickness absence**

If the Scholar is absent through illness for more than one week, the Clinical Supervisor should be informed, and medical certificates should be forwarded to the Professor in charge of the SCTS Programme.

During absence covered by medical certificates in any one year of the Scholarship, payment of the Scholarship will be continued at the full rate for four weeks. In the case



of absence through sickness for periods exceeding four weeks, the continuation of the Scholarship will be considered in the light of the circumstances of the individual case.

#### **4. Interruption of Training**

Scholars are expected to complete their training in a single continuous period. No requests for interruption of training will be approved for the purposes of employment, temporary lectureships, exchanges, voluntary service overseas, or expeditions/sports.

Requests for interruption of training for reasons of maternity will be considered in the light of individual circumstances.

Requests for interruption of training arising out of other personal or family reasons will receive sympathetic consideration.

There will be no entitlement to payment of the Scholarship award during periods of interruption of training.

#### **5. Reporting**

The Scholar will be required to participate in monthly meetings with the Clinical Supervisor during the initial monitoring period. If these meetings reveal any deficiency in the academic or professional progress of the Scholar, a written warning and advice on correction of the deficiencies will be given. The Scholar will be encouraged in these circumstances to seek the advice and support of a senior clinician unconnected with her/his training. Failure to remedy the deficiencies may lead to termination of the Scholarship on the advice of the Clinical Supervisor and the Professor in charge of the SCTS programme.

The Scholar will be required to provide a written report and undergo an oral assessment at the end of year one and at the end of year two of the award, in order that satisfactory academic and professional progress may be assessed. Unsatisfactory progress may result in the Scholarship not being renewed.

#### **6. Termination of Awards**

The award of the Scholarship may be terminated summarily in the absolute discretion of the University during the initial monitoring period. Thereafter the award of the Scholarship may be terminated by the failure of the Scholar to make satisfactory academic or professional progress as identified by the reporting procedures described in 5 above.

The award of the Scholarship may be terminated by the failure of the Scholar, after a written warning, to comply with the terms and conditions of the Scholarship.

In the event of the termination of an award the Scholar will have the right of appeal to an independent panel consisting of the Dean of the Veterinary School, and another senior member of staff chosen by the Strategy & Executive Committee from the panel of senior members appointed for this purpose by the Strategy & Executive Committee.

In the event of termination of an award, a Scholar will, wherever possible, be given reasonable formal written notice of the date on which the training will be deemed to have ended.

## **7. Income Tax**

The award of a Scholarship is not normally regarded as income for income tax purposes. It should be noted that earnings from sources such as teaching and demonstrating received during the final year of the award will be aggregated with income from post-award employment when income tax liability is assessed for the fiscal year in which the award terminates.

## **8. National Insurance**

The University of Cambridge will not make any payment for National Insurance contributions in connection with any paid teaching or demonstrating undertaken by the student.

## **9. Intellectual Property Rights**

Subject to the circumstances set out below in this clause, all intellectual property, know-how, results, documents, and other information generated by the Scholar in the course of research ("Activities") undertaken during the period of the Scholarship ("the Results"), shall be owned by the University of Cambridge, and by signing these Terms and Conditions the Scholar undertakes to do all such things necessary to vest the Results and all rights therein, in the University.

In the circumstances where the Scholar is working on Activities which are wholly or partly funded from grants held by another institution, the ownership of intellectual property, the rights to exploit that intellectual property and any commercial benefit derived from such exploitation, will depend on the contributions of the parties and any existing third party rights and will be subject to a separate agreement entered into by all the parties (the University, the Head of Department, the Clinical Supervisor, the Sponsor where relevant and the Scholar).

## **10. Communications to Press, Radio and Television**

Communications to the press, radio or television, expressing personal views, excluding scientific communications to the scientific and veterinary press, may not be communicated from the Department's address or using the Department's name except by the prior permission of the Head of Department.

The consent of the Head of Department is required before expressing views in public on matters connected with the work of the Department of Veterinary Medicine.

## **11. University Policies**

Scholars are required to conform with all published policies of the University relating to Health and Safety, Dignity at Work, Equal Opportunities, Use of Computer Facilities

Email and the Internet, Smokefree policy, Data Protection Act Guidance for Staff, and any other similar policies issued by the University from time to time.

**12. No dogs on site policy**

Please note that it is the Department's policy that members of staff, clinical training scholars and students joining the Department are not allowed to bring dogs on site.

**13. Standard Operating Procedures**

Scholars are required to follow the Standard Operating Procedures of the Queen's Veterinary School Hospital.

**14. Professional qualifications and MRCVS**

The Scholar must hold a veterinary degree recognised by the Royal College of Veterinary Surgeons, and upon commencement of the Scholarship provide proof (in the form of a registration number) of Membership of the Royal College of Veterinary Surgeons.

**DEPARTMENT OF VETERINARY MEDICINE**



**UNIVERSITY OF  
CAMBRIDGE**

**SCTS 1**

**Scholarship Application Form**

**Senior Clinical Training Scholarship**

Title of Scholarship for which you are applying	
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**PERSONAL DETAILS**

Forename(s)	Surname	Title
Current Address:  Post code:	Contact details: (1) Daytime telephone:  (2) Mobile:  (3) E-mail address:	

**PROFESSIONAL REGISTRATION**

Are you a registered member of the Royal College of Veterinary Surgeons?	YES / NO	If YES, please give registration number:
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## REFERENCES

References should normally include your present employment (or your most recent employer), or course tutor if currently a student or intern

### First reference

Name
Position
Address
Telephone number
E-mail address
Do we have permission to contact this referee before the interview? <span style="float: right;">Yes    No</span>

### Second Reference

Name
Position
Address
Telephone number
E-mail address
Do we have permission to contact this referee before the interview? <span style="float: right;">Yes    No</span>

### Third Reference

Name
Position
Address
Telephone number
E-mail address
Do we have permission to contact this referee before the interview? <span style="float: right;">Yes    No</span>

## APPLICANT DECLARATION & DATA CONSENT

- I confirm that the information I have given in this Scholarship application form for a Senior Clinical Training Scholarship and all supporting documents is correct and complete
- I understand that the University of Cambridge will carry out a verification process and will check all or any of the information provided on the Scholarship application form, given in references and presented as proof of identity
- I agree for release of information under the provisions of the Data Protection Act 1998
- I attach a curriculum vitae and covering letter to this application form

Signature

.....

Date

.....

Please tick below to indicate where you saw the advert for this Scholarship:

- Veterinary Record
- ECVS website
- Department of Veterinary Medicine website
- University of Cambridge website
- jobs.ac.uk
- Other (please specify)

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