

**The University of Edinburgh**

**Royal (Dick) School of Veterinary Studies**

**Professional Doctorate in Veterinary Medicine (DVetMed) (“Residency”)  
in Veterinary Anatomic Pathology**

**Further Particulars**

**The University of Edinburgh** (<http://www.ed.ac.uk>)

For more than four centuries, our people and their achievements have rewritten history time and again. They've explored space, revolutionised surgery, published era-defining books, paved the way for life-saving medical breakthroughs and introduced to the world many inventions, discoveries and ideas from penicillin to Dolly the sheep. We have believed that anything is possible.

We still do. The latest Research Excellence Framework highlighted our place at the forefront of international research. This adds to our international reputation for the quality of our teaching and our student experience excellence.

You will be part of one of the world's leading universities, with 22 Schools spread over 3 Colleges that offer more than 500 undergraduate and 160 postgraduate courses to over 35,000 students each year. Professional services are critical to this success as well as our world-class teaching, research and student facilities. In fact, we are one of the top employers in Edinburgh, with over 12,000 people spread across a wide range of academic and supporting roles.

The University is proud of its success with online teaching initiatives, with 1905 students currently studying its online distance learning postgraduate programmes, and a total to date of 1 million enrolments for Edinburgh MOOCs.

As a world-changing, world-leading university we are an exciting, positive, creative, challenging and rewarding place to work. We give you support, nurture your talent, develop and reward success and integrate academic, professional and personal career goals, as well as give your career the benefit of a great and distinguished reputation.

The University of Edinburgh holds a Silver Athena SWAN award in recognition of our commitment to advance the representation of women in science, mathematics, engineering and technology. We are also Stonewall Scotland Diversity Champions actively promoting LGBT equality.

The University has a range of initiatives to support a family friendly working environment. Please see <http://www.ed.ac.uk/equality-diversity/help-advice/family-friendly>

**The College of Medicine and Veterinary Medicine** (<http://www.ed.ac.uk/medicine-vet-medicine>)

The College of Medicine and Veterinary Medicine traces its origins back nearly 500 years (Darwin, Simpson and Conan-Doyle were students here) and is internationally renowned for its research and teaching. The College employs over 2300 academic and has two Schools; the Edinburgh Medical School comprising three Deaneries; Biomedical Sciences; Molecular, Genetic and Population Health Sciences and Clinical Sciences and the Royal (Dick) School of Veterinary Studies.

## **The Royal (Dick) School of Veterinary Studies**

### **Edinburgh Medical School: Biomedical Sciences**

### **Edinburgh Medical School: Biomedical Sciences, Biomedical Teaching Organisation**

### **Edinburgh Medical School: Molecular, Genetic and Population Health Sciences**

### **Edinburgh Medical School: Clinical Sciences**

The undergraduate medicine teaching programme in the College enjoys a high reputation nationally and internationally, with over 1,300 students enrolled on the MBChB and Intercalated courses and nearly 1000 on the Veterinary Sciences BVS and related programmes. In addition, approximately 2000 students are currently enrolled in the College's taught and research post-graduate courses, including an extensive range of online distance learning diplomas and degrees. They are trained by over 1000 outstanding academic staff. Details of PhDs, research programmes and studentships are available through our interdisciplinary research institutes and centres (<http://www.ed.ac.uk/schools-departments/medicine-vet-medicine/research/institutes/centres>).

The academic disciplines within Medicine are largely concentrated in the two teaching hospital campuses, the Royal Infirmary at Little France and the Western General Hospital. Both have extensive new infrastructure with major research institutes and state of the art research facilities on clinical sites. Edinburgh hosts a number of prestigious MRC and BHF Research Centres. The approach is interdisciplinary, with basic and clinical researchers working together at the laboratory bench and in our clinical research facilities to address major themes in basic, clinical and translational medicine.

The Royal (Dick) School of Veterinary Science on the Easter Bush campus houses outstanding teaching and clinical facilities as well as the splendid Roslin Institute, one of the world's leading veterinary research centres. The College offers outstanding opportunities to address 'One Health' and Global Health problems of the highest international priority.

#### Research Excellence Framework (REF) 2014

The College's reputation as one of the world's leading centres of medical and veterinary medical research has been reaffirmed by its UK REF2014 results. Medicine, the University's largest submission, was ranked in the top 5 in the UK. Veterinary Medicine came 1st in the UK, and retained its position as the UK's top Vet School. It made a joint submission with Scotland's Rural College (SRUC). Neuroscience was ranked 3rd in the UK out of 82 submissions, representing a major advance. Overall, 84% of the College's research activity was rated world leading or internationally excellent (3\* and 4\*). In terms of 'one medicine' research (human and animal medicine), the University of Edinburgh's research power (quality x volume) is the strongest in the UK.

#### **The Royal (Dick) School of Veterinary Studies (R(D)SVS) (<http://www.vet.ed.ac.uk>)**

The Royal (Dick) School of Veterinary Studies, headed by Professor David Argyle, has an international reputation for its research, teaching and clinical services. It occupies a new £45 million veterinary teaching building, next to the existing prestigious small and large animal hospitals at the Easter Bush Campus, completed in 2011, and designed to support top class veterinary education in the 21st century. The hospital includes a major new veterinary oncology and imaging centre.

The School is consistently highly ranked by The Times Higher and the Guardian newspaper. The School is accredited by the Royal College of Veterinary Surgeons (RCVS), the European Association of Establishments for Veterinary Education (EAEVE) and the American Veterinary Medical Association (AVMA) and participates in the Veterinary Medical Colleges Admissions Service (VMCAS).

The School, along with The Roslin Institute and Scotland's Rural College, were part of a joint submission to the 2014 Research Excellence Framework. This submission to Unit of Assessment 6 (Agriculture, Veterinary and Food Science) was ranked as number 1 in the UK. The joint submission was the largest to UoA6, with over three quarters of the research outputs submitted judged to be "world leading" or "internationally excellent". Over 80% of the submitted impact studies were scored highly, in addition to which the research environment was scored as 100% at 4\*. The REF results saw the School maintain its position as the number 1 ranked vet school for research in the UK.

The School is a global education provider and has nearly 1000 undergraduate, postgraduate and research students from a number of different countries. We provide world-class education to improve the health of animals and human beings alike and are leaders in veterinary education, research, and clinical practice, at both undergraduate and postgraduate level.

The Royal (Dick) School of Veterinary Studies holds a Silver Athena SWAN award in recognition of our commitment to advance the representation of women in science, mathematics, engineering and technology.

In April 2008 the Easter Bush Research Consortium (EBRC) was formed which brings together the science of The Roslin Institute, the R(D)SVS, Scotland's Rural College and the Moredun Research Institute. The partnerships within the EBRC, and integration with clinical practice and education in the R(D)SVS, provide major opportunities for application and exploitation of the research of the consortium partners. Together, the EBRC forms one of the largest groups focussed on the biology of companion and production animals in the world. It undertakes basic and translational science to tackle pressing issues in animal genetics and genomics, development, health and welfare and their implications for human health.

**The Roslin Institute** (<http://www.roslin.ed.ac.uk>)

The internationally-renowned Roslin Institute is incorporated and co-located with the Royal (Dick) School of Veterinary Studies on the Easter Bush campus. The University of Edinburgh and the Biotechnology and Biological Sciences Research Council (BBSRC) together funded a new £60 million state of the art building for The Roslin Institute, occupied in March 2011. The Roslin Institute's mission is to gain a fundamental understanding of genetic, cellular, organ and systems bioscience underpinning common mechanisms of animal development and pathology, and to drive this into prevention and treatment of important veterinary diseases and develop sustainable farm animal production systems.

The Roslin Institute holds a Gold Athena SWAN award in recognition of their commitment to advancing the representation of women in science, mathematics, engineering and technology.

The Roslin Institute is strategically supported by the BBSRC; funded by Institute Strategic Programme Grants and National Capability Grants. The Institute aims to enhance the lives of animals and humans through world-class research in animal biology. The principal objectives are to:

- Enhance animal health and welfare through knowledge of genetic factors affecting resistance to disease.

- Enhance sustainability and productivity of livestock systems and food supply chains through understanding of reproductive and developmental biology.
- Enhance food safety by understanding interactions between disease causing organisms and animals.
- Enhance human health through an understanding of basic mechanisms of health and disease and comparative biology of animal species.
- Identification of new and emerging zoonoses and understand how pathogens might cross from animals to humans.
- Enhance quality of life for animals by studying the mechanisms and behaviours associated with optimising their environment and life experiences.

The Roslin Institute provides holistic solutions to global challenges in human and veterinary medicine, the livestock industry and food security. The results of the Institute's research are important in many ways.

The Roslin Institute aims to improve animal health and welfare with a view to benefiting the environment, developing countries, farmers and the public. Their research goals are to conserve genetic diversity, control animal diseases, develop new diagnostics and therapeutics for animals and humans and improve food quality and safety. The increase in global demand for livestock products as the world's population increases and becomes more affluent means new methods of production that ensure long-term sustainability must be developed.

The research of The Roslin Institute involves work in animals, in cells and tissues, and in computer modelling and simulations. Research is conducted at the highest standards of animal care and welfare.

The Roslin Institute has a large number of collaborations within Edinburgh; both with the University and with other local research organisations and our scientists collaborate widely on the international stage.

#### Research Excellence Framework (REF) 2014

The Roslin Institute, along with the Royal (Dick) School of Veterinary Studies and Scotland's Rural College, were part of a joint submission to the 2014 Research Excellence Framework. This submission to Unit of Assessment 6 (Agriculture, Veterinary and Food Science) was ranked as number 1 in the UK. The joint submission was the largest to UoA6, with over three quarters of the research outputs submitted judged to be "world leading" or "internationally excellent". Over 80% of the submitted impact studies were scored highly, in addition to which the research environment was scored as 100% at 4\*.

#### **Easter Bush Pathology**

Easter Bush Pathology (EBP) is the principal provider of pathology services at the Royal (Dick) School of Veterinary Studies. This involves delivery of a diagnostic service to the small and exotic animal, and large animal (farm and equine) hospitals based within the R(D)SVS, and for external practitioners. The diagnostic services include haematology, biochemistry, hormone testing, cytology, necropsy, biopsy and microbiology. EBP plays a central role in didactic and practical undergraduate teaching. We are also involved in collaborative research with multiple parties on and off site, including the nearby Roslin Institute. The residents play a key part in the delivery of the diagnostic service and teaching activities. They are also key potential beneficiaries of its collaborative research links.

## **Description of Residency Programme**

This position is conducted within the framework of a Professional Doctorate in Veterinary Medicine degree, which will provide the candidate with a postgraduate qualification additional to that of the speciality (DVetMed). This programme consolidates and enhances evidence based- knowledge, skills, abilities and attitudes to enable independent practice to the standard of a recognised specialist. Additionally, it will provide the candidate with training in and experience of research. This involves production of an examined research dissertation, with opportunities to present and publish your findings. Finally, the DVetMed programme will provide training and experience of teaching, as well as access to optional courses in specialty-relevant areas.

To undertake diagnostic duties within EBPs diagnostic service, whilst working towards a specialist qualification in veterinary anatomic pathology (DiplECVP, DipACVP, or FRCPath) as well as a DVetMed degree. This is a training position, leading towards a specialist career in veterinary pathology. The scholar will receive instruction in necropsy technique, histopathology and immunohistochemistry, with the potential for exposure to further in-depth training in molecular techniques. Attendance at various in-house training sessions is mandatory (there are multiple weekly events) and there will be a requirement to attend campus research seminars on a regular basis. Diagnostic pathology skills and knowledge are expected to develop during the four-year period; duties and levels of responsibility will increase accordingly. There will also be the opportunity to undertake an externship depending on the Scholar's developing interests.

### **Clinical:**

- A share of the clinical caseload of EBPs diagnostic service, under the supervision of senior pathologists; this will include concurrent teaching of undergraduate students on their pathology rotation; there may also be a requirement to instruct post graduate students in the post mortem room.
- The scholar will work as a junior member of EBP and will shadow senior staff until they are judged capable of carrying out their duties at an acceptable level.
- Under the guidance and supervision of senior pathologists, the scholar must provide a solution to all case challenges presented. The scholar will be expected to demonstrate increasing professional maturity and initiative in terms of case management.
- The scholar will refer to senior pathologists whenever appropriate.

### **Teaching:**

- Contributing to the teaching of tutorials to undergraduate students.
- Teaching Final Year students on the necropsy rotation (see above).

### **Research:**

- The scholar will be expected to undertake at least one pathology-based research project as part of the DVetMed, with the option of involvement in further projects.
- There will be an expectation to prepare and submit manuscripts arising from the research project(s) to the peer reviewed literature and to present at appropriate local, national and international scientific meetings.

This is a four-year programme leading to the Professional Doctorate of Veterinary Medicine (DVetMed). This will include diagnostic training and other requirements to gain your credentials to sit the examinations listed above.

Year	Course Name	Compulsory or Elective	Credits (180/year)
<b>One</b>	Specialist clinical skills 1	Compulsory	100
	Veterinary academic practice 1	Compulsory	10
	Research proposal	Compulsory	40
	Study design and research methods	Compulsory	10
	Professional and clinical skills	Compulsory	10
	Veterinary ethics	Compulsory	10
	Related discipline training	Elective	10-30
	Online MSc level Courses	Elective	10-20
<b>Two</b>	Specialist clinical skills 2	Compulsory	100
	Veterinary academic practice 2	Compulsory	10
	Research project part 1	Compulsory	40
	Professional and clinical skills (if not taken in year 1)	Compulsory	10
	Veterinary ethics (if not taken in year 1)	Compulsory	10
	Related discipline training	Elective	10-30
	Online MSc level Courses	Elective	10-20
	<b>Three</b>	Specialist clinical skills 3	Compulsory
Veterinary academic practice 3		Compulsory	10
Research project part 2		Compulsory	40
Case reports		Compulsory	30
Related discipline training		Elective	10-30
Online MSc level Courses		Elective	10-20
<b>Four</b>		Specialist clinical skills 4	Compulsory
	Veterinary academic practice 4	Compulsory	10
	Research project part 3	Compulsory	100
	Case reports (if not taken in year 3)	Compulsory	30
	Related discipline training	Elective	10-30
	Online MSc level Courses	Elective	10-20

### Further Information

The full-time residency is a clinical-based programme aimed at obtaining specialised knowledge and experience. It is based at the Easter Bush campus. You will be enrolled on the DVetMed programme, and your status will be that of post-graduate student. Postgraduate fees will be paid by the University of Edinburgh.

A principal aim of the Residency is to train research-literate specialist clinical pathologists. To obtain the DVetMed qualification you must complete a research project with a thesis examined in Year 4; the nature of this project will be agreed with your Supervisor at the start of your Residency. You will be expected to prepare and submit a series of manuscripts for publication in refereed journals during your training programme; the number, nature and timing of these manuscripts will be agreed with your Supervisor and Head of Section.

Your programme of study and work will be set by your supervisors in conjunction with other appropriate staff. In addition to instruction and research, your training will include both teaching and clinical duties. Duties may change from time to time following appropriate consultation with your supervisor.

Both didactic and informal group teaching of undergraduates and, possibly, postgraduates will be required. This will normally be in clinical subjects related to your discipline but may involve veterinary pre-clinical (e.g. anatomy) teaching if this is considered valuable to your academic development.

You will be required to undertake the diagnostic duties necessary to gain the appropriate training. While undertaking diagnostic duties, you must adhere to any procedures, protocols, rules or regulations determined by the Head of Section. The requirement to undertake such duties does not confer employee status.

An important aspect of your training will be to accept appropriate professional responsibility for the submitted case material and to undertake such investigation and procedures as necessary under the supervision of your supervisor. It is expected that the degree of responsibility will increase as you progress through the programme. Ultimate responsibility for individual cases will always be with your supervisor.

Outside professional activities or employment must be discussed and approved by your supervisor and they must not interfere with scholarship duties. The resident will be expected to study regularly at night and weekends in order to prepare for their examinations.

You are required to obtain the consent of the Head of Division before becoming a member of any outside committee or expressing your views in public on matters connected with the work of the School (this does not preclude you from addressing scientific or professional gatherings). If you should feel aggrieved at a refusal of consent there will be a right of appeal to the Head of School.

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

Residents, by accepting the scholarship, assign all Intellectual Property that they may generate in the course of their studies to the University of Edinburgh.

Copies of the current procedures for dealing with matters of discipline or grievance are available from the School.

You may be required to participate in School events as directed by the Head of Division.

Further specific conditions relate to some externally funded scholarships and to Residencies in specific disciplines; such conditions will form part of your "contract" with the University.

### **Stipend, Allowances and Leave**

The post attracts an annual tax-free stipend of £20,018.03 per annum paid monthly by direct transfer to your Bank or Building Society account, normally on the 28th of the month.

The DVetMed residency is for four years, subject to review on an annual basis. In the event that the scholarship is not completed or satisfactory progress not made, a period of 2 months' notice in advance of the date of departure must be given by either party.

You must be registered as a Member of the Royal College of Veterinary Surgeons. You are responsible for ensuring that you are registered and for paying the annual registration fee.

Your annual leave (absence from the study programme) entitlement is 25 days, plus the four recognised University holiday days. All leave must be agreed at least 30 days in advance with your supervisor (or a staff member to whom this responsibility has been delegated). Where clinical or other duties fall on a recognised holiday day, you will be granted time off in lieu. The leave year will run from January to December. In part years (i.e. at the start and end of your programme), leave entitlement will be on a pro rata basis. Annual leave cannot be carried from one leave year to another, except in exceptional and approved circumstances.

During sickness absence covered by medical certificates, payment of the award will continue at the full rate for three calendar months. Any payment beyond this period will be at the discretion of the School.

The University's Student Maternity and Family Leave Policy will apply to residents.

[http://www.docs.sasg.ed.ac.uk/academic/services/policies/student\\_maternity\\_and\\_family\\_leave\\_policy.pdf](http://www.docs.sasg.ed.ac.uk/academic/services/policies/student_maternity_and_family_leave_policy.pdf)

Where eligible, residents will be entitled to receive stipend payments for up to 6 months' maternity leave or two weeks' paid paternity leave as applicable. Residents can request an additional 6 months' interruption of studies as maternity leave although stipend payment is not available for maternity leave in excess of 6 months.

The scholarship programme will include 5 days per annum for attending such meetings, seminars, tutorials and lectures and preparing written reports as approved by your supervisor. Additional Continuing Professional Development (CPD) opportunities may arise during the course of your scholarship if deemed necessary and approved by your supervisor. A specific allowance (currently £600 per annum) is available to cover or contribute to the cost of CPD, travel, conferences, AV production, photocopying and library requests. This information is available on request from the Head of Section.

### **Disclosure**

This scholarship is subject to Standard Disclosure Check. Appointment to this scholarship is conditional on the University receiving a satisfactory Standard Disclosure check. The successful candidate will not be permitted to commence until this has been received. Information provided will be kept confidential and individuals will not be discriminated against unnecessarily due to non-relevant offending background. If you require further information regarding Disclosure, please refer to: [www.disclosurescotland.co.uk](http://www.disclosurescotland.co.uk)

### **English Language Requirements**

If English is not your first language, you must also provide evidence of good written and spoken English skills. Please go to [www.ed.ac.uk/studying/postgraduate/international/language](http://www.ed.ac.uk/studying/postgraduate/international/language) for further details.

### **Informal Enquiries**

For further information on an informal basis please contact Dr Alexandra Malbon via email at [Alexandra.Malbon@ed.ac.uk](mailto:Alexandra.Malbon@ed.ac.uk)

### **Application Procedure**

A completed application form, covering letter, Curriculum Vitae and the names of three referees should be submitted, preferably electronically, to Mrs Emma Pineau (DVetMed@ed.ac.uk).

**Starting Date**

The scholarship is available from February/March 2021.

**Closing Date for Applications**

The closing date for applications for this scholarship is **11h00 on Friday 30<sup>th</sup> October 2020.**

We cannot consider late applications.