



Hokkaido University
Leading Graduate School
Veterinary Science for One Health

The 5th Leading Special Lecture

***Educational System and
Conservation Medicine
in the Royal(Dick) School of
Veterinary Medicine,
the University of Edinburgh***

April 15, 2013, 16 : 00~18 : 00

**Lecture Hall, Graduate School of Veterinary Medicine,
Hokkaido University, JAPAN**

Prof. Jeremy Bradshaw

Prof. Anna Meredith

Dr. Neil Anderson



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«Program»

*16:00~17:00

*The Royal(Dick) School of Veterinary Studies at The University
of Edinburgh*

Prof. Jeremy Bradshaw

*17:00~18:00

Conservation Medicine - Vets and Ecological Health

Prof. Anna Meredith

Training Vets in the Science and Practice of Conservation Medicine

Dr. Neil Anderson

Professor Jeremy Bradshaw

"The Royal(Dick) School of Veterinary Studies at The University of Edinburgh."

This presentation will give a brief introduction to Scotland and the City of Edinburgh, followed by a give a brief history of the Vet School. I will talk about the school's research activity, and explain the Bachelor of Veterinary Medicine and Surgery (BVM&S) programme, detailing the curriculum, teaching methods and student support.

- give a brief introduction to Scotland and the City of Edinburgh;
- give a brief history of the Vet School;
- talk about its research activity; and
- (the main but of the presentation) talk about our Bachelor of Veterinary Medicine and Surgery (BVM&S) programme, explaining the curriculum, teaching methods and student support.

Professor Jeremy Bradshaw MA DPhil CBiol FSB FHEA
Personal Chair of Molecular Biophysics
Royal (Dick) School of Veterinary Studies
Assistant Principal
University of Edinburgh

Professor Jeremy Bradshaw gained a MA in Zoology from Oxford University in 1981 and, following a year in industry, was awarded a DPhil from the same university in 1985, based upon research carried out in Sir David Phillip's Laboratory of Molecular Biophysics. After a single year of postdoctoral fellowship he took up his first teaching post in the Department of Biochemistry and developed a research programme in biophysical studies of membrane- active peptides. He has published over a hundred papers, articles and reports, mostly based on research carried out at large-scale international facilities, such as ISIS at the Rutherford Appleton Laboratory, the Institut Laue et Langevin in France and KEK in Japan. He currently holds guest appointments at a number of these facilities worldwide, held a visiting professorship at Fuzhou University China, and currently holds one at Tsukuba University, Japan. In 2003 he was appointed to the post of Director of Research and Graduate Studies at the Royal (Dick) School of Veterinary Studies, and in 2007 became the Head of the Graduate School of the College of Medicine and Veterinary Medicine, a post he held for two years. Since 2009, he has been Director of Postgraduate Studies and International Dean for the College. He is also Director of Quality Assurance for the College and became Assistant Principal (Researcher Development) in 2013. He is a Fellow of the Society of Biology and, until recently, chaired its Biomedical Sciences Committee. He has been a QAA reviewer since October 2010 and was recently a member of the QAA Trans-National Education team that reviewed UK-Chinese collaborative provision at 13 different Chinese universities.

Professor Anna Meredith

"Conservation Medicine - vets and ecological health "

Conservation Medicine is an emerging discipline that studies the complex relationships and interactions between animal health, human health and ecosystem health. There is increasing global concern over increasing anthropogenic impacts on ecological health, leading to loss of biodiversity and modification of ecological processes, increasing global toxification, pathogen pollution, and global climate change. The emergence or re-emergence of infectious disease as a result of these anthropogenic changes has major impacts on human and animal health and on conservation of animal species. Conservation Medicine is interdisciplinary, requiring input from veterinary and human medicine, ecology, biology, epidemiology, public health and social and political science. There is increasing recognition of a need for trained veterinarians in this field to understand and contribute to the development of solutions to ecological health issues.

Professor Anna Meredith MA VetMB PhD CertLAS DZooMed MRCVS

Professor of Zoological and Conservation Medicine

Head of Exotic Animal and Wildlife Service

Royal (Dick) School of Veterinary Studies

University of Edinburgh

Professor Anna Meredith gained an MA in Physiological Sciences from the University of Oxford in 1986 and then graduated in Veterinary Medicine from the University of Cambridge in 1991. After a year in general practice, she joined the Royal (Dick) School of Veterinary Studies at the University of Edinburgh, initially as Lecturer in Laboratory Animal and Zoo Animal Medicine. Here she set up and developed the Exotic Animal and Wildlife Service, which is internationally renowned as a teaching and clinical service for exotic pets and wildlife and she is now Professor of Zoological and Conservation medicine, the only Chair in this discipline in Europe. Her PhD was on the use of predators as sentinels for new and emerging diseases in the UK. From 1992 to 2009 Anna was also Head Veterinary Surgeon at the Royal Zoological Society of Scotland's Edinburgh Zoo, and is an RCVS Recognised Specialist in Zoo and Wildlife Medicine. Anna has published widely on all aspects of wildlife medicine, lectures internationally and has over 20 years clinical experience with a wide variety of wildlife species. She is a UK Zoo Inspector and Chair of the UK Government's Zoos Expert Committee. Anna's current research interests include health surveillance and conservation of the red squirrel, genetic and health assessment of the endangered Scottish Wildcat and the emergence of a new parasitic disease in palmate newts in Scotland. She is Programme Director for a new online MVetSci Programme in Conservation Medicine launched by the University of Edinburgh in 2012.

Dr. Neil Anderson

“Training Vets in the Science and Practice of Conservation Medicine”

Conservation medicine is recognised as an important and emerging field utilising a trans-disciplinary approach to ecological health issues and the conservation of threatened species. In response to the growing need for veterinarians trained in the practice of conservation medicine, the University of Edinburgh launched the first bespoke online distance learning masters training programme in this discipline in 2012. Run out of the Royal (Dick) School of Veterinary Studies, the programme provides a flexible, accessible and interactive learning environment. In this presentation, the aims and objectives of the programme are outlined and examples are provided of the structure and courses available and the delivery platform used.

Dr. Neil Anderson BVSc PhD MRCVS
Programme Co-ordinator, Conservation Medicine MVetSci
Royal (Dick) School of Veterinary Studies
University of Edinburgh

Dr Neil Anderson qualified as a veterinarian from Bristol University in the UK in 1996 and worked in general practice for eight years. He worked mostly in mixed practice with a farm animal bias and has practiced in the UK, New Zealand and Australia. In 2009 he gained a PhD in wildlife epidemiology from the Centre for Tropical Veterinary Medicine at the University of Edinburgh for his work on the ecology of trypanosomiasis in the Luangwa Valley, Zambia. During a brief spell back in clinical practice he also worked as an external tutor for the International Animal Health MSc run by the University of Edinburgh. He is currently the programme coordinator for a new online distance learning MVetSci in conservation medicine at the Royal (Dick) School of Veterinary Studies at the University of Edinburgh. His research interests include diseases of the wildlife / livestock interface and he has published papers on trypanosomiasis in wildlife. He is also currently a research assistant for the Dynamic Drivers of Disease in Africa project investigating the epidemiology of trypanosomiasis at an expanding wildlife / livestock / human interface in the Luangwa Valley.



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