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# Further your career in the Animal Behaviour and Welfare community

Dr Vincent Bombail | 14 Nov 2024

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# Dr Vincent Bombail



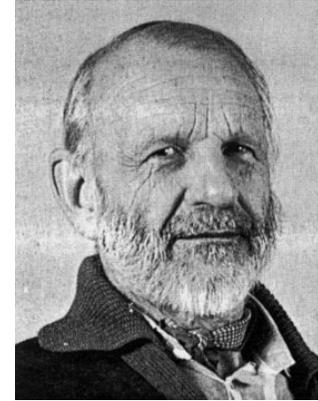
- PhD in Molecular Toxicology, 12 years on biology of nuclear receptors (academia and industry)
- 2011 – 2021: **INRAE**, Research Scientist: olfaction neuroscience, physiology of negative/positive emotions (stress, play biology)
- 2021 – Present: **SRUC**, Research Scientist: animal welfare and physiology of positive emotions
- 2023: **MSc AABAW** Programme Director



# MSc Applied Animal Behaviour & Animal Welfare



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The Royal (Dick) School  
of Veterinary Studies



- First MSc in Animal Welfare in the UK
- A joint venture between the University of Edinburgh and SRUC
- Established in 1990 by the late Prof. David Woodgush
- On-campus (15 – 30 students in total per year)
- Usually 1 yr full-time but can be done over 2-3yrs

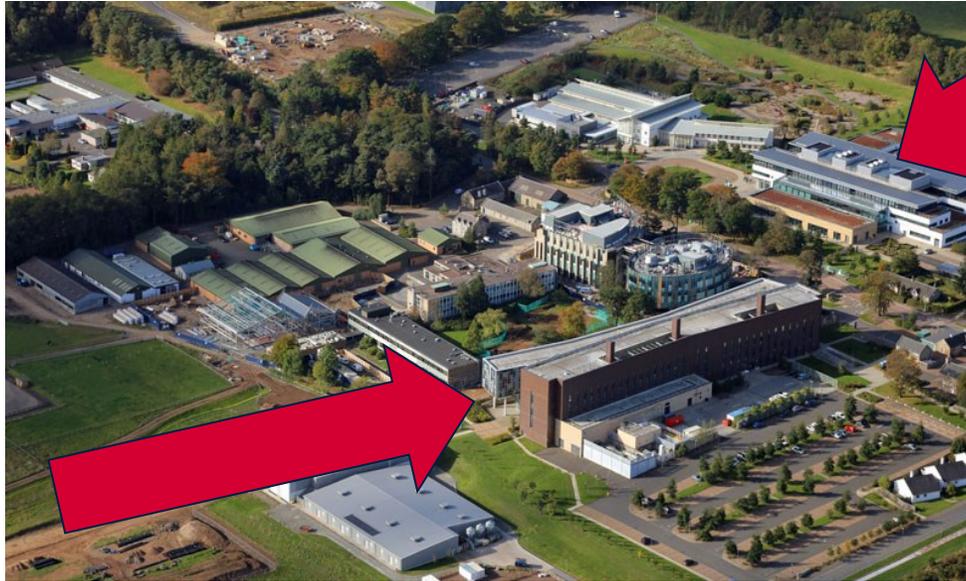


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# Easter Bush campus



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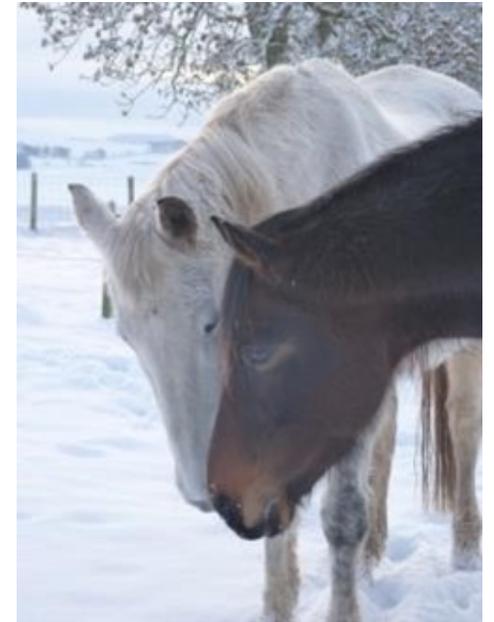
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# Programme Aim



- To provide students with a knowledge and understanding of animal behaviour and welfare that can be applied effectively in science and in practice





# Programme content (1)



## Taught Element (120 credits -September to March)

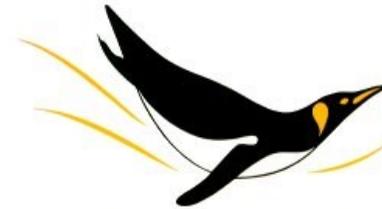
- Introduction to Applied Animal Behaviour and Animal Welfare
- Biology of Animal Welfare
- Animal Cognition and Consciousness
- Scientific Methodology
- Animal Welfare Applications

Learn through practice: visits to farms, laboratories, the zoo





# Lecturers and tutors



UNIVERSITY OF  
COPENHAGEN

**UAB**

Universitat Autònoma  
de Barcelona

EDINBURGH  
ZOO



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# How do we teach?



- 2022-23: Hybrid Delivery
- Live on campus lectures
- Live online sessions
- All live lectures (on-campus and online) are recorded
- Pre-recorded materials
- All materials hosted on University Virtual Learning Environment- Blackboard Learn
- Assignment submission through Turnitin
- Practicals and visits
- Opportunities for extra curricular practical experience



# Programme content (2)

Dissertation Element (60 credits- March to August)

- projects can be done in the UK or abroad
- we provide a list to choose from
- or help students to build own project
- Students can claim research expenses



# Examples of dissertations

Investigating the relationship between Animal Welfare, agroforestry and owner livelihoods in Ethiopia using the One Welfare Framework

Effect of rat tickling on behavioural and ovarian responses to superovulation treatment

The associations between the types of training and games dog owners engage in with their dog(s) and their dogs' behaviour, age and breed.

Behavioural assessment of pain in lambs castrated using a novel method (Clamp Easy)

Quantifying the behaviour and dynamics of a bachelor herd of Nubian Giraffes (*Giraffa Camelopardalis*) at Edinburgh Zoo

Sex Differences in Equine Emotional Response to a Novel Object

The effect of animal welfare education on attitudes towards animals in Ethiopian school children

The effect of early life conditions on pig cognition: the effect of early life socialisation and enrichment on behavioural flexibility and its relationship with impulsivity

The relationship between housing, play and personality in dairy calves (*Bos Taurus*)



# 2023 – 24 Students



19 Students (17 FT and 2PT)

- UK: 3 students
- Europe: 4 students
- North America: 4 students
- Asia: 8 students

Backgrounds (Undergraduate degree)

- Vet Medicine/Vet nursing
- Animal Science
- Psychology
- Other (Agriculture, Zoology, Animal behaviour, Biomedical sciences, Environmental sciences)
- Sometimes students come from non-science backgrounds







# What do graduates go on to do?



- PhD
- Government
- NGO's / Charities
- Teaching / Advisory
- Industry





# What do graduates go on to do?



SCOTTISH SPCA  
Scotland's Animal Welfare Charity



WorldHorseWelfare

COMPASSION  
in world farming  
ciwf.org.uk



Sainsbury's



pdsa  
SAVING PETS CHANGING LIVES



GLOBAL  
FOODPARTNERS



INTERVIEWS, 24.01.19

## How passion for animal welfare brought Priya to Sweden



# Impact of the MSc- publications



Contents lists available at ScienceDirect

**Applied Animal Behaviour Science**

journal homepage: [www.elsevier.com/locate/applanim](http://www.elsevier.com/locate/applanim)

**frontiers**  
in Veterinary Science | Animal Behavior and Welfare

SECTION ABOUT ARTICLES RESEARCH TOPICS FOR AUTHORS EDITORIAL BOARD ARTICLE ALERTS

Applied Animal Behaviour Science 197 (2017) 1–8

Contents lists available at ScienceDirect

**Applied Animal Behaviour Science**

journal homepage: [www.elsevier.com/locate/applanim](http://www.elsevier.com/locate/applanim)

## Early socialisation as a strategy to increase piglets' social skills in intensive farming conditions

Laura C. Salazar<sup>a,b</sup>, Heng-Lun Ko<sup>c</sup>, Chung-Hsuan Yang<sup>d</sup>, Lourdes Lluch<sup>c</sup>, Xavier Manteca<sup>c</sup>, Irene Camerlink<sup>d</sup>, Pol Lluch<sup>c,\*</sup>

<sup>a</sup> The Royal (Dick) School of Veterinary Studies, University of Edinburgh, Easter Bush Campus, Midlothian, EH25 9RG, UK  
<sup>b</sup> Animal Sciences Department, School of Agronomy and Forest Engineering, Avenida Vicuña Mackenna 4860, 7820436, Santiago, Chile

Applied Animal Behaviour Science 130 (2011) 115–123

Contents lists available at ScienceDirect

**Applied Animal Behaviour Science**

journal homepage: [www.elsevier.com/locate/applanim](http://www.elsevier.com/locate/applanim)

## Behavioural analysis of solitary versus socially housed snow leopards (*Panthera uncia*), with the provision of simulated social contact

Alaina M. Macri<sup>a,b,\*</sup>, Emily Patterson-Kane<sup>a,c</sup>

<sup>a</sup> Division of Animal Health and Welfare, University of Edinburgh, Easter Bush Veterinary Centre, Easter Bush, Roslin, Scotland EH25 9RG, United Kingdom  
<sup>b</sup> The Royal Zoological Society of Scotland, Edinburgh Zoo, 134 Corstorphine Rd, Edinburgh, Scotland EH12 6TS, United Kingdom  
<sup>c</sup> (AVMA) American Veterinary Medical Association, 1931 North Meacham Road, Schaumburg, IL 60173-4340, United States

Contents lists available at ScienceDirect

**Applied Animal Behaviour Science**

Volume 221, December 2019, 104879

## Relationships between play and responses to tickling in male juvenile rats

Tayla Hammond<sup>a,b,\*</sup>, Vincent Bombail<sup>c</sup>, Birte L. Nielsen<sup>c</sup>, Simone L. Meddle<sup>b</sup>, Alistair B. Lawrence<sup>a</sup>, Sarah M. Brown<sup>b</sup>

<sup>a</sup> The University of Edinburgh, Edinburgh, UK  
<sup>b</sup> The University of Edinburgh, Edinburgh, UK  
<sup>c</sup> The University of Edinburgh, Edinburgh, UK

ORIGINAL RESEARCH article

Front. Vet. Sci., 06 January 2021 | <https://doi.org/10.3389/fvets.2020.607632>

**The Impact of Acute Loud Noise on the Behavior of Laboratory Birds**

Tayanne L. Corbani<sup>1</sup>, Jessica E. Martin<sup>2</sup> and Susan D. Healy<sup>1</sup>

2,360 TOTAL VIEW

**animals**

Article

### Social Media Contexts Moderate Perceptions of Animals

Elizabeth Riddle and Jill R. D. MacKay<sup>\*@</sup>

Royal (Dick) School of Veterinary Studies, The University of Edinburgh, Scotland EH25 9RG, UK; riddleel14@gmail.com

\* Correspondence: jillmackay@ed.ac.uk; Tel.: +44-(0)131-650-6122

Research in Veterinary Science 128 (2020) 35–42

Contents lists available at ScienceDirect

**Research in Veterinary Science**

journal homepage: [www.elsevier.com/locate/rvsc](http://www.elsevier.com/locate/rvsc)

Consumer evaluation of farm animal mutilations

Melanie Connor<sup>a,b,\*</sup>, Sarah Louise Cowan<sup>b</sup>

<sup>a</sup> Scotland's Rural College (SRUC), West Mains Road, Edinburgh EH9 3JG, UK  
<sup>b</sup> Royal (Dick) School of Veterinary Studies, University of Edinburgh, Easter Bush Campus, Edinburgh EH25 9RG, UK

Review

Why do dogs play? Function and welfare implications of play in the domestic dog

Rebecca Sommerville<sup>a,\*</sup>, Emily A. O'Connor<sup>b</sup>, Lucy Asher<sup>c,d</sup>

**animals**

MDPI

Article

### A Study of Traveller Horse Owners' Attitudes to Horse Care and Welfare Using an Equine Body Condition Scoring System

Marie Rowland<sup>1,\*</sup>, Tamsin Coombs<sup>2</sup> and Melanie Connor<sup>1@</sup>

<sup>1</sup> Royal (Dick) School of Veterinary Studies, Easter Bush, Midlothian EH25 9RG, UK; m.connor@irri.org  
<sup>2</sup> SRUC, Roslin Institute, Easter Bush, Midlothian EH25 9RG, UK; Tamsin.combs@sruc.ac.uk  
\* Correspondence: marie.rowland@sruc.ac.uk

Article

### Welfare Assessment and Husbandry Practices of Working Horses in Fiji

Navina Fröhlich<sup>1,\*</sup>, Patrick D. Sells<sup>2</sup>, Rebecca Sommerville<sup>3</sup>, Charlotte F. Bolwell<sup>4</sup>, Charlotte Cantley<sup>5</sup>, Jessica E. Martin<sup>6,\*</sup>, Stuart J. G. Gordon<sup>4</sup> and Tamsin Coombs<sup>7</sup>



In conclusion



**MSc AABAW** = A scientific journey to understand aspects of animal behaviour, with a view to improve animal welfare



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# Thank you for your attention!



- Any questions?

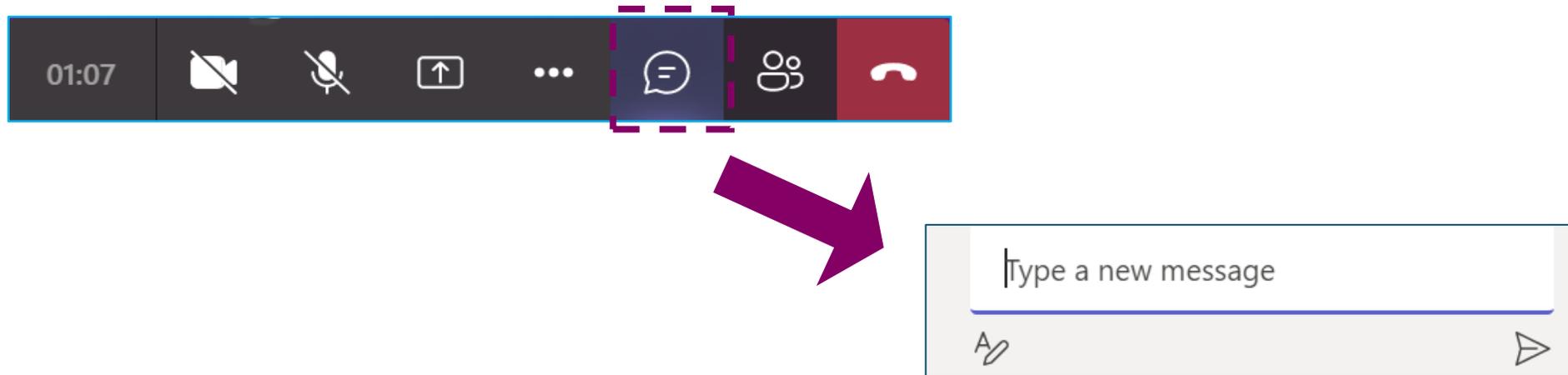


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# Asking questions (Microsoft Teams)

- Type your question into the Chat Area





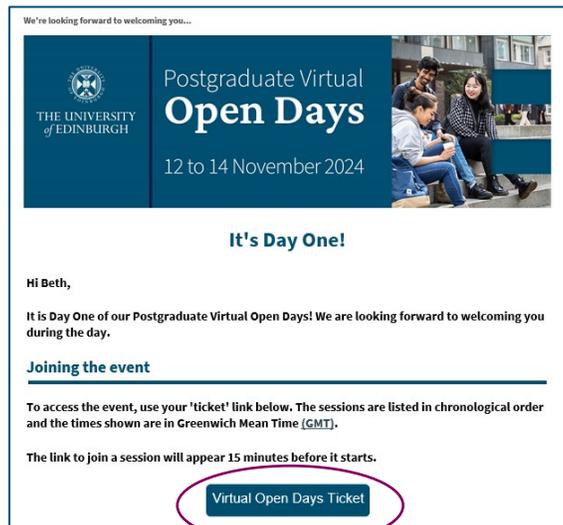
# Contact details for follow-up questions

- We apologise if we did not get through all of your questions in the time allotted for this session. If you have further questions that have not been answered, please email: [futurestudents@ed.ac.uk](mailto:futurestudents@ed.ac.uk)
- *Alternatively, provide Programme/Department/Service/School/College contact details as appropriate*

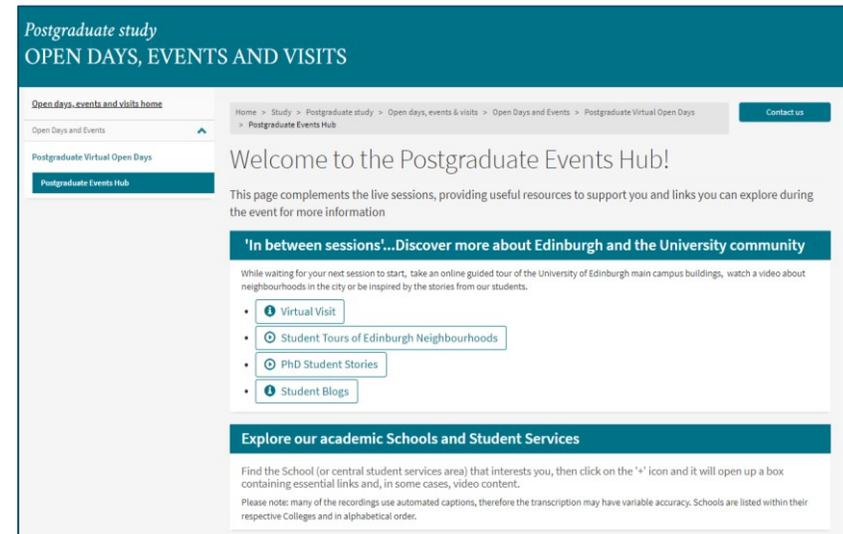


# Thank you – click ‘Leave’ when the session ends

- Return to your ‘e-ticket’ to find and attend other sessions you’ve booked – by clicking on the button in the email we sent you...



- ...and visit the events hub:
- <https://edin.ac/4gZuP3G>





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# Thank you

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