



THE UNIVERSITY
of EDINBURGH

Further your career in the Animal Behaviour and Welfare community

Dr Vincent Bombail | 14 Nov 2024

EDINBURGH
extraordinary futures await



Dr Vincent Bombail



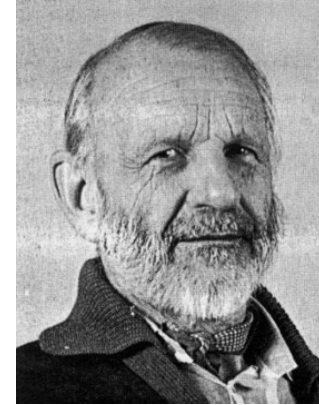
- PhD in Molecular Toxicology, 12 years on biology of nuclear receptors (academia and industry)
- 2011 – 2021: **INRAE**, Research Scientist: olfaction neuroscience, physiology of negative/positive emotions (stress, play biology)
- 2021 – Present: **SRUC**, Research Scientist: animal welfare and physiology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



MSc Applied Animal Behaviour & Animal Welfare



THE UNIVERSITY *of* EDINBURGH
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

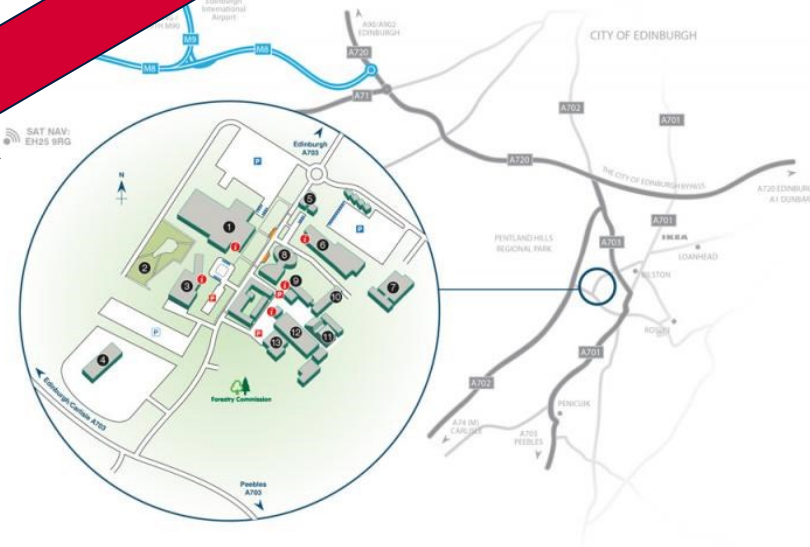
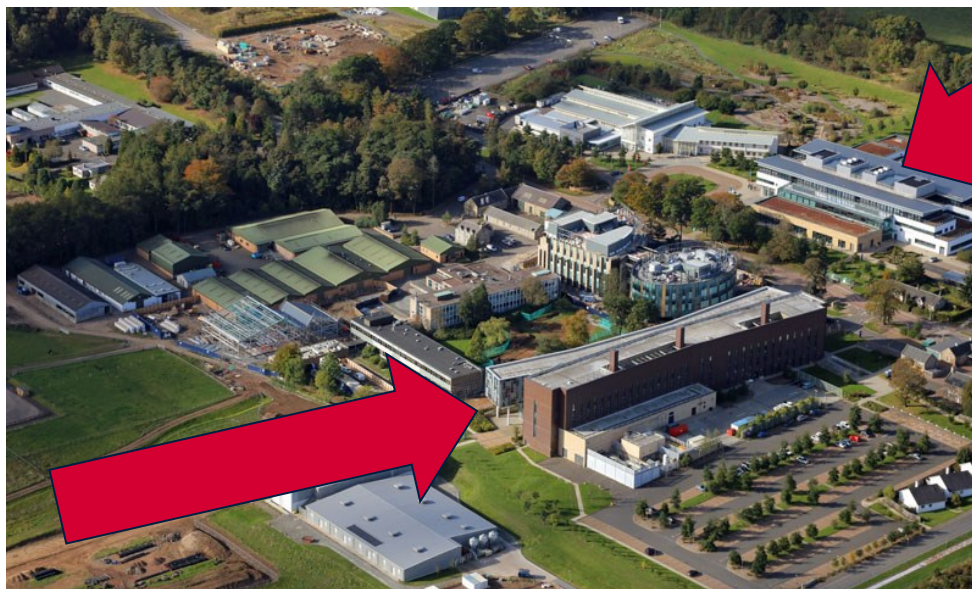


THE UNIVERSITY
of EDINBURGH

EDINBURGH
extraordinary futures await



Easter Bush campus



THE UNIVERSITY
of EDINBURGH

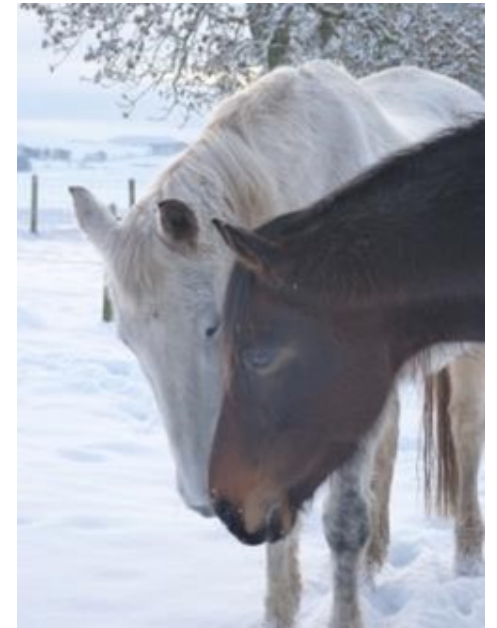
EDINBURGH
extraordinary futures await



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



THE UNIVERSITY
of EDINBURGH

EDINBURGH
extraordinary futures await



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



THE UNIVERSITY
of EDINBURGH

EDINBURGH
xtraordinary futures await



Lecturers and tutors



UNIVERSITY OF
COPENHAGEN



Universitat Autònoma
de Barcelona



EDINBURGH
ZOO



THE UNIVERSITY
of EDINBURGH

EDINBURGH
extraordinary futures await



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

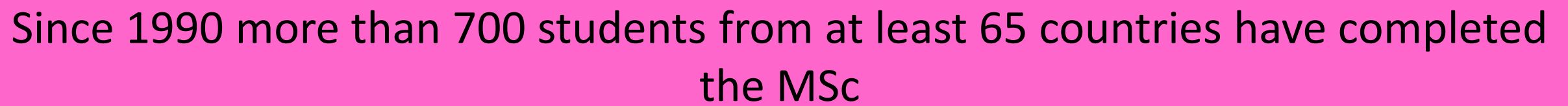
Backgrounds (Undergraduate degree)

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



THE UNIVERSITY
of EDINBURGH

EDINBURGH
extraordinary futures await





What do graduates go on to do?



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



THE UNIVERSITY
of EDINBURGH

EDINBURGH
extraordinary futures await



What do graduates go on to do?



SCOTTISH SPCA
Scotland's Animal Welfare Charity



Sainsbury's



INTERVIEWS, 24.01.19

How passion for animal welfare brought Priya to Sweden

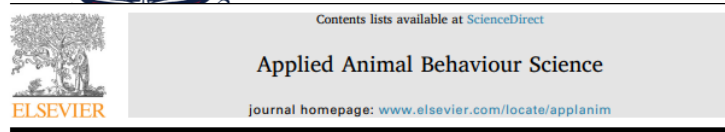


THE UNIVERSITY
of EDINBURGH

EDINBURGH
extraordinary futures await



Impact of the MSc- publications



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

Laura C. Salazar^{a,b}, Heng-Lun Ko^c, Chung-Hsuan Yang^d, Lourdes Llorch^c, Xavier Manteca^c, Irene Camerlink^d, Pol Llorch^{c,*}

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

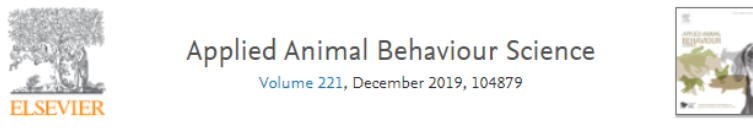
Applied Animal Behaviour Science 130 (2011) 115–123



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

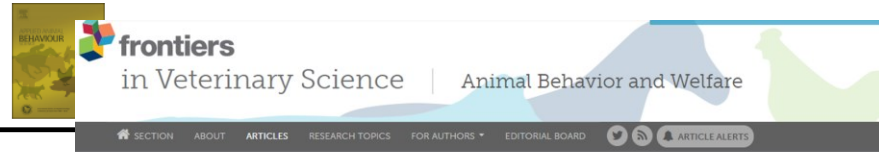
Alaina M. Macri^{a,b,*}, Emily Patterson-Kane^{a,c}

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



Relationships between play and responses to tickling in male juvenile rats

Tayla Hammond^{a,b,*}, Vincent Bombail^c, Birte L. Nielsen^c, Simone L. Meddle^b, Alistair B. Lawrence^a, Sarah M. Brown^b



Articles

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. Corbani¹, Jessica E. Martin² and Susan D. Healy³



Article

Social Media Contexts Moderate Perceptions of Animals

Elizabeth Riddle and Jill R. D. MacKay^{*✉}

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

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

Research in Veterinary Science 128 (2020) 35–42

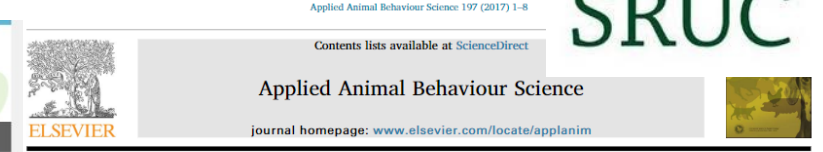


Consumer evaluation of farm animal mutilations

Melanie Connor^{a,b,*}, Sarah Louise Cowan^b

^a Scotland's Rural College (SRUC), West Mains Road, Edinburgh EH9 3JG, UK

^b 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^{a,*}, Emily A. O'Connor^b, Lucy Asher^{c,d}



Article

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

Marie Rowland^{1,*}, Tamsin Coombs² and Melanie Connor^{1✉}

¹ Royal (Dick) School of Veterinary Studies, Easter Bush, Midlothian EH25 9RG, UK; m.connor@irri.org

² SRUC, Roslin Institute, Easter Bush, Midlothian EH25 9RG, UK; Tamsin.coombs@sruc.ac.uk

* Correspondence: marie.rowland@sruc.ac.uk



Article

Welfare Assessment and Husbandry Practices of Working Horses in Fiji

Navina Fröhlich^{1,*}, Patrick D. Sells², Rebecca Sommerville³, Charlotte F. Bolwell⁴, Charlotte Cantley⁵, Jessica E. Martin^{6,*}, Stuart J. G. Gordon⁴ and Tamsin Coombs⁷



THE UNIVERSITY
of EDINBURGH

EDINBURGH
extraordinary futures await



In conclusion



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



THE UNIVERSITY
of EDINBURGH

EDINBURGH
extraordinary futures await



Thank you for your attention!



- Any questions?

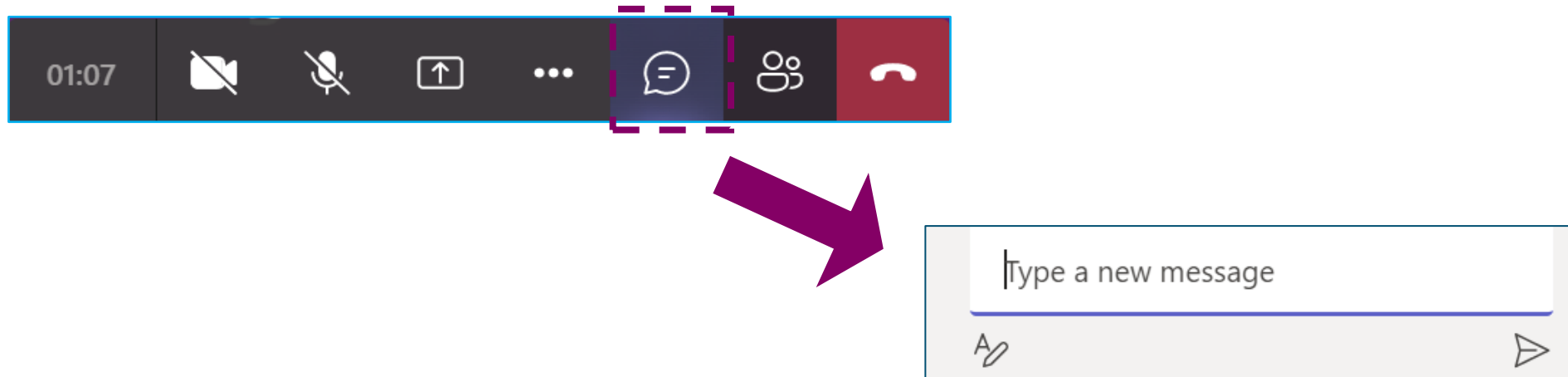


THE UNIVERSITY
of EDINBURGH

EDINBURGH
extraordinary futures await

Asking questions (Microsoft Teams)

- Type your question into the Chat Area



Next steps...

<https://virtualvisits.ed.ac.uk/pg>



<https://edin.ac/student-chat-pg>



THE UNIVERSITY
of EDINBURGH

EDINBURGH
extraordinary futures await

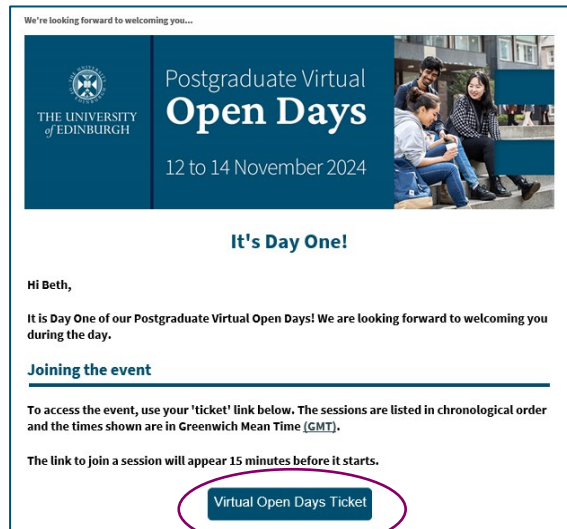
Contact details for follow-up questions

- 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
- *Alternatively, provide Programme/Department/Service/School/College contact details as appropriate*

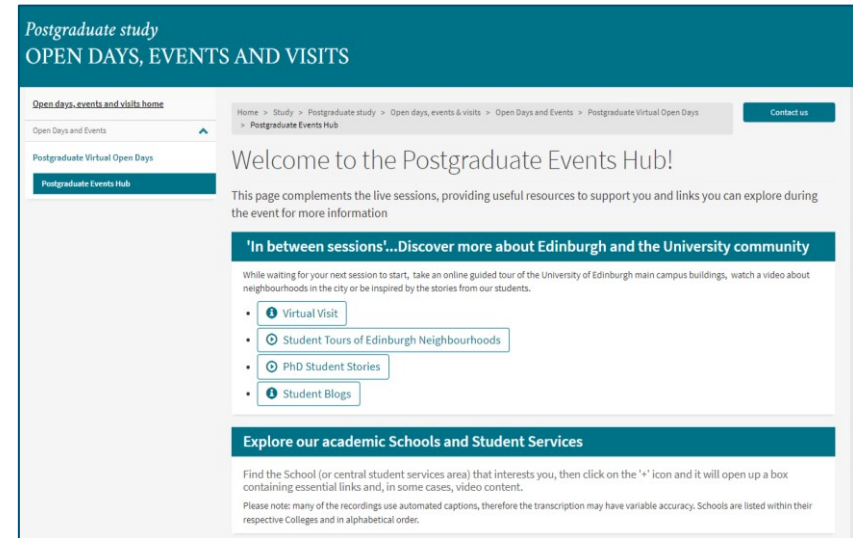


Thank you – click ‘Leave’ when the session ends

- 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>



THE UNIVERSITY
of EDINBURGH

EDINBURGH
extraordinary futures await



THE UNIVERSITY
of EDINBURGH

Thank you

EDINBURGH
extraordinary futures await