

Curriculum Vitae

Last name, First name: Hawkins, Penny

Gender: female

Nationality/ies: UK

Overall Scientific Expertise:

I have a sound background in biological sciences and thirty years of experience in life science research and animal welfare. This has included convening the Expert Group on laboratory bird husbandry, and (within the revision of Directive 86/609) being a member of the Technical Expert Working Group addressing authorisation and the EC working group on severity assessment. My role involves maintaining a good working knowledge of the animal welfare science literature in a range of fields, and helping to translate current knowledge and good practice into policy.

Professional Experience

Years employed from – to	Title of position	Employer – name and location	Areas of professional specialisation [▲]
1996-present	Head, Animals in Science Department	RSPCA, Southwater, West Sussex, UK	Laboratory animal welfare, refinement, ethical review, physiology, 3Rs

Specific expertise in the field of the call

I have considerable experience in using the scientific literature and current good practice to define housing, husbandry and care standards for birds in the laboratory, including within EC Scientific Committees.

I was the convenor of the original Council's Working Group for Birds, which produced the 'Future principles for housing and care of laboratory birds: Report for the revision of the Council of Europe Convention ETS123 Appendix A for birds' and its accompanying Part B.

I was also convenor and lead author of the Fifth report of the BVAAWF/FRAME/RSPCA/UFAW Joint Working Group on Refinement report 'Laboratory birds: refinements in husbandry and procedures (Laboratory Animals (2001) 35 (Suppl. 1), which includes a section on tits and chickadees.

My chapter 'The Welfare Implications of Housing Captive Wild and Domesticated Birds' in 'The Welfare of Domestic Fowl and Other Captive Birds' (2010, ISBN: 978-90-481-3650-6, I Duncan and P Hawkins eds) sets out fundamental principles of balancing the needs of humans and birds of all species and in all contexts.

Educational Background

Year	Degree awarded	Educational Institution – name and location	Areas of educational specialisation*
1996	PhD	University of Birmingham, Edgbaston,	Avian physiology

		Birmingham, UK	
1992	BSc Hons (1 st class)	University of Portsmouth, Portsmouth, UK	Biological Sciences

Memberships in Scientific Advisory Bodies/Committees/Panels:
Vice President, Institute for Animal Technology

Memberships in Learned Societies:
Society of Experimental Biology

Memberships in Editorial Boards:
None

List of Publications:

I have around 80 publications in animal welfare, refinement and ethical review. Ten examples are below; for a full list of publications, please see researchgate.net/profile/Penny_Hawkins/contributions

1. Jennings M, Berdoy M, Farmer A-M, **Hawkins P** et al. (2020) Guiding principles to help deliver the ethics learning outcomes of module 2 for personal licensees. RSPCA/LASA, tinyurl.com/RSPCA-LASA-ethicsLO
2. **Hawkins P** et al. (2020) Scientist-AWERB engagement pack. RSPCA, tinyurl.com/AWERBEngagement
3. Mazhary H & **Hawkins P** (2019) Applying the 3Rs: A case study on evidence and perceptions relating to rat cage height in the UK. *Animals* 9(12), 1104; [doi:10.3390/ani9121104](https://doi.org/10.3390/ani9121104).
4. **Hawkins P**, Brookes S, Bussell J et al. (2019) Avoiding mortality in animal research and testing. RSPCA/LASA/LAVA/IAT, ISBN 978-0-901098-17-7. tinyurl.com/avoidmort
5. Jennings M, Smith J, **Hawkins P** et al. (2017) Developing induction materials for AWERB members. RSPCA/LASA, lasa.co.uk/wp-content/uploads/2018/05/AWERB-IP-Final.pdf
6. **Hawkins P**, Jennings M et al. (2017) AWERB-UK: Putting Ethics into the AWERB. A forum for UK AWERB members organised by RSPCA, LASA, LAVA and IAT, tinyurl.com/AWERB-UK2017
7. **Hawkins P** & Golledge H (2017). The 9 to 5 Rodent - Time for change? Scientific and animal welfare implications of circadian and light effects on laboratory mice and rats. *Journal of Neuroscience Methods* doi.org/10.1016/j.jneumeth.2017.05.014
8. **Hawkins P** & Hobson-West P (2016) Delivering Effective Ethical Review: The AWERB as a 'Forum for Discussion'. RSPCA, ISBN 978-0-901098-09-2 view.pagetiger.com/AWERB/AWERB
9. Boden T & **Hawkins P** (2016) Communicating the Culture of Care - how to win friends and influence people. *Animal Technology and Welfare* 15(3), 151-156.
10. **Hawkins P**, Armstrong R, Boden T, Garside P, Knight K, Lilley E, Seed M, Wilkinson M & Williams RO (2015) Applying refinement to the use of mice and rats in rheumatoid arthritis research. *Inflammopharmacology* **23**: 131-150 link.springer.com/article/10.1007%2Fs10787-015-0241-4