

Universities Federation for Animal Welfare

Annual Report 2021-2022



Welcome from our Chief Executive

Welcome to our annual report. In this report you can see a summary of all the activities we supported in the 2021-22 financial year, as well as some more recent updates on our work.

UFAW recently adopted a new mission and vision statement to make clear exactly what we aim to achieve as a charity.

Our vision is of a world where the welfare of every animal affected by humans is maximised through a scientific understanding of their needs and how to meet them.

The way UFAW tries to bring about this change is encompassed by our mission statement:

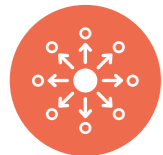
UFAW aims to



DISCOVER what matters to animals



DEVELOP scientific solutions to animal welfare problems



DISSEMINATE evidence-based animal welfare information

All the work you will read about in this report aims to bring our vision closer to reality. You can see examples where we have funded research to understand the welfare challenges faced by animals, such as the impacts of rodent control methods, and research aimed at developing solutions to welfare problems, such as a project to use pheromones to improve the welfare of dairy calves. We have been particularly active in dissemination of research through the scientific meetings we organise and the exciting developments at our journal *Animal Welfare* which mean that, for the first time in its 30-year history, the journal will be freely accessible to anyone.

Achieving our vision is a huge task, but science is making great strides in improving the welfare of animals, and UFAW plays a pivotal role in supporting that progress. To ensure that the momentum is maintained, we also work hard to support the development of the next generation of animal welfare scientists. Our funding for students taking their first forays into animal welfare research and our mentoring scheme which supports those students by pairing them with more experienced researchers ensures that the future for animal welfare science is bright. We are especially keen to inspire emerging animal welfare scientists in parts of the world where, traditionally, there has been limited capacity to undertake animal welfare research. Our mentoring scheme and our network of links at universities worldwide help to develop animal welfare science where, arguably it is most needed.

All of this work makes a real difference to the welfare of animals and none of it could happen without our members, donors and supporters who fund our work. But we are always aware that we could do much more. For instance, on page 7 in this report, you can read about our latest Animal Welfare Research Award which supported an exciting project to help underpin the use of alternatives to animals in the development of treatments for neurological disorders. However, we received over 40 applications for that single award of £50,000 and we would have happily funded several more projects had our funds permitted. Could you consider supporting us to do even more?

Thank you for your support of Science in the Service of Animal Welfare.

Dr Huw Golledge
Chief Executive
& Scientific Director



Chairman's comment



Welcome to UFAW's annual report for 2021-2022. I was delighted to take over the helm during the past year, at an important time for animal welfare. I must take this opportunity to thank my predecessor, Alick Simmons, for all his work during his term as Chairman, especially over the past couple of uniquely challenging years.

When UFAW was founded in 1926, one of its core aims was "to promote, by educational and other methods, interest in the welfare of animals in Great Britain and abroad". As you will see in this report, we are still working hard to disseminate animal welfare science information internationally through our programme of activities. Of particular note was our international conference in Edinburgh this summer. It was fantastic to see so many people attend an in-person event for the first time since the start of the pandemic, whilst also continuing to grow our international reach by live-streaming the talks globally.

I hope that you enjoy reading about our work over the past year, none of which would be possible without our members and supporters, so thank you for your continued support of UFAW.

Mike Radford
Chair of Trustees

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Progress towards more humane 'pest' control



UFAW has long been a champion of the welfare of animals whenever they are impacted by mankind. We don't focus on glamorous species; we concentrate on the biggest animal welfare issues where we know we can make a difference. One of the largest impacts of humankind on the welfare of wild animals is 'pest' control. Millions of rats and mice are killed every year in the UK alone, and many of the methods used for rodent control are inhumane. Over the past couple of years, we have been supporting research to increase our understanding of the welfare impacts of rodent control methods, developing resources to share this message more widely, and arguing for controls on some of the most inhumane methods.

We're delighted to say that this year we have seen legislative progress which could greatly improve the welfare of 'pest' rodents with the passing of the Glue Traps Act into law, which will prohibit their use by members of the public. The Act also means pest controllers will only be able to use glue traps under specific circumstances. The Act comes after UFAW and many other animal welfare

non-governmental organisations (NGOs) lobbied for a ban on glue traps. Scientific research supported by UFAW has shown that, according to the ratings of experts including animal welfare specialists and pest controllers, glue traps were the least humane of the methods legally available in the UK, evidence which was cited during the passage of the legislation through the House of Lords. Providing scientific evidence about the impacts of rodent control methods makes arguments for limiting their use much stronger.

Now that the Act has become law, alongside other NGOs, we have lobbied the Government to ensure that the licensing of the use of glue traps is as stringent as possible, limiting their use to specific scenarios where rodents pose an extreme danger to public health or safety which cannot be controlled in any other way. We have also urged the Scottish and Welsh governments to prohibit the use of glue traps as the Act only applies to England. We will continue to work hard to ensure that inhumane methods like glue traps become a thing of the past.

Whilst the glue trap ban is welcome, the research we supported shows that many other methods of controlling rodents are markedly inhumane, not least anti-coagulant poisons. There is still much work to be done to discover more humane ways to control rodents, but in the meantime, we have comprehensively updated our information and advice to allow anyone dealing with a rodent infestation to choose the most humane way of dealing with it – see www.ufaw.org.uk/rodentcontrol

Our research into the impacts of rodent control methods and the update of our advice and information was only possible with your support, including those of you who specifically donated to our 2021 Spring Appeal. With your donations we can continue to advocate for the welfare of 'pest' rodents and commission vital research to find out how to control them more humanely. For instance, we are keen to discover what happens to rodents caught in live traps and released. Whilst many assume this is a humane solution, others suggest that mice are unlikely to survive when released away from their home territory.

Grant funding



To guarantee animals' welfare, we need to discover what makes their lives better or worse. At UFAW, we strive to answer such fundamental scientific questions by funding innovative research projects through our grants scheme (www.ufaw.org.uk/grants), like the examples below:

Last year we awarded **8 GRANTS**

With a total spend of **£69,185**



Dogs and their people: Improving the human-animal relationship and dog welfare

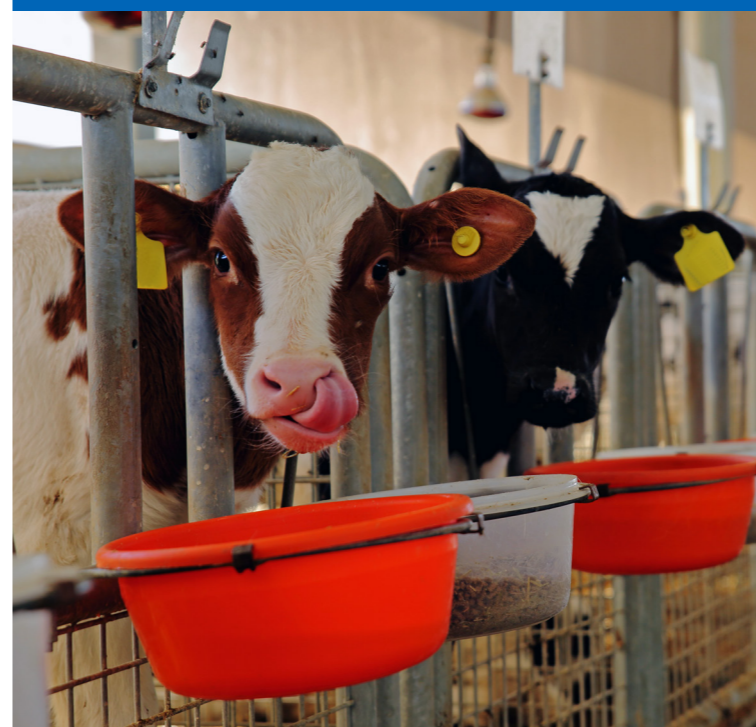
Carmen Glanville (University of Melbourne, Australia), received funding for an exciting project to help identify the key human behaviours, values, beliefs, and attitudes that are predictive of positive and negative welfare outcomes for dogs. Activity monitors (similar to exercise watches) will be fitted to both dogs and their owners, allowing tracking of behavioural and physiological data. This will allow researchers to understand the responses of dogs and their owners as they interact with each other. The results of the study will provide valuable insights into the dog-owner relationship which may allow the researchers to develop improvements to adoption processes, puppy preschool courses, dog registration processes and community outreach programs, leading to improvements in dog welfare. Carmen presented some of the results at the annual conference of the International Society for Applied Ethology (ISAE) in September 2022.



Photo provided by Carmen Glanville

Understanding the effects of sensory enrichment on dairy calves

Appeasing pheromones are known to have calming effects on many domesticated species, reducing stress-related behaviour. For example, dog appeasing pheromones are often used as a means to try to reduce separation anxiety in dogs. **Dr Juliana Garcia Alvarez** at Harper Adams University, UK, received funding for a project investigating the potential benefits of exposing calves to a putative bovine appeasing pheromone (BAP). If shown to be effective, appeasing pheromones could be used to improve the welfare of commercial dairy calves, including during very stressful events such as separation from their mothers.



Wearable technologies for describing neonatal beef calf behaviour

Rachael Coon from the University of California Davis, USA, visited the University of Calgary in Alberta, Canada to take part in a pilot test of two different types of wearable systems – global positioning system (GPS) and radio frequency identification (RFID) for monitoring neonatal beef calves under extensive management. The data will be used to develop an algorithm to describe normal calf behaviour. These findings will provide important information for future studies on early detection and treatment of disease, such as neonatal calf diarrhoea, which is the predominant cause of calfhood morbidity and mortality, by detecting deviations from normal behaviour.



Photo provided by Rachael Coon

Research outcomes

Our research funding not only helps discover new animal welfare information, it also builds the careers of the next generation of animal welfare scientists and advocates.

With financial support from UFAW, Andrea Polanco completed her PhD on behavioural indicators of cumulative stress in rhesus monkeys, which she defended on the 26th November 2021 at the University of Guelph, Canada. Congratulations to Dr Polanco on the award of her PhD. Andrea has gone on to work for animal welfare NGO Faunalytics.

UFAW funded the postdoctoral research of Dr Emma Mellor, resulting in a recent publication in UFAW's journal *Animal Welfare*, entitled "Validating owner-reporting of feather condition of pet Psittaciformes using photographs"¹. The study showed that parrot owners' rating of the feather condition (a key welfare indicator) of their pets was generally reliable, validating owner ratings as a simple and non-invasive way of collecting large amounts of data which can be used to assess the welfare of companion parrots.

1. Mellor, EL; Mendl, M; Mason, G; Davison, C; van Zeeland, Y; Cuthill, IC (2022), *Animal Welfare*, 31(2), 163-173.
DOI: <https://doi.org/10.7120/09627286.31.2.001>

The 2022 UFAW Animal Welfare Research Award



When funds permit, we invite applications for the Animal Welfare Research Award - a larger grant of up to £50,000 to support innovative research aimed at fulfilling the aims of our mission to discover what matters to animals and/or develop solutions to animal welfare problems.

This year, we received over 40 applications for the award. The successful applicants were Dr Benjamin Ineichen from the University of Zurich, Switzerland and Professor Malcolm Macleod (University of Edinburgh, UK). They will investigate how well 3D culture models based on human stem cells (a method of testing potential drugs for brain diseases before applying them to humans) can replace animal experiments.

Using an innovative automated approach, all existing research will be analysed to determine whether 3D culture models lead to candidate drugs that proceed to clinical trials in humans. The efficiency of these models will also be compared to the traditional approach of testing drugs on animals. This will allow researchers to understand how well these non-animal models perform compared to animal tests. If they are shown to perform as well or better than animal-based approaches, this could rapidly hasten the transition to non-animal techniques. Such a transition could eventually result in many million fewer animals being used in drug development, whilst also potentially improving the efficiency of the drug discovery process. Each year around 1.3 million animals are used in brain research in the EU alone, with

experimental protocols often having severe impacts on the welfare of the animals studied. Once validated in neuroscience research, the same technique can be easily applied to other fields of biomedical research where 3D culture models are also promising replacements for animal experiments.

The project reflects UFAW's commitment to promote the 3Rs (Replacement, Reduction and Refinement) in animal research, a concept which UFAW was instrumental in developing in the 1960s.

This is a dynamic project that will continue to add to the database as new studies are published. The project has also received funding from the Swiss National Science Foundation, therefore making the UFAW contribution go further.



Each year around **1.3 million** animals are used in brain research in the EU alone.





UFAW International Conference: Advancing Animal Welfare Science



Following 2021's online symposium, for the first time since the start of the COVID pandemic, UFAW's 2022 international conference was held in-person on 28-29th June 2022. We were delighted to host 231 delegates from 23 countries at the Royal College of Physicians in Edinburgh in addition to 445 attendees from 51 countries who joined the conference online. It was heartening to welcome so many in-person attendees after a two-year hiatus whilst maintaining the new-found global accessibility provided by online streaming for those unable to travel to Scotland. We have continued to make online access to the meeting free to ensure that everyone who can benefit from learning about the latest advances in animal welfare science can do so.

The programme featured 8 sessions over the two days, including presentations from four keynote speakers alongside 28 submitted talks and 70 poster presentations. Each of the sessions covered a diverse range of species and topics. The recordings of the talks can be viewed on our YouTube channel [tiny.cc/UFAW22](https://www.youtube.com/watch?v=tiny.cc/UFAW22)



231 delegates from
23 countries



445 online attendees
from 51 countries



4
keynote speakers



28
submitted talks

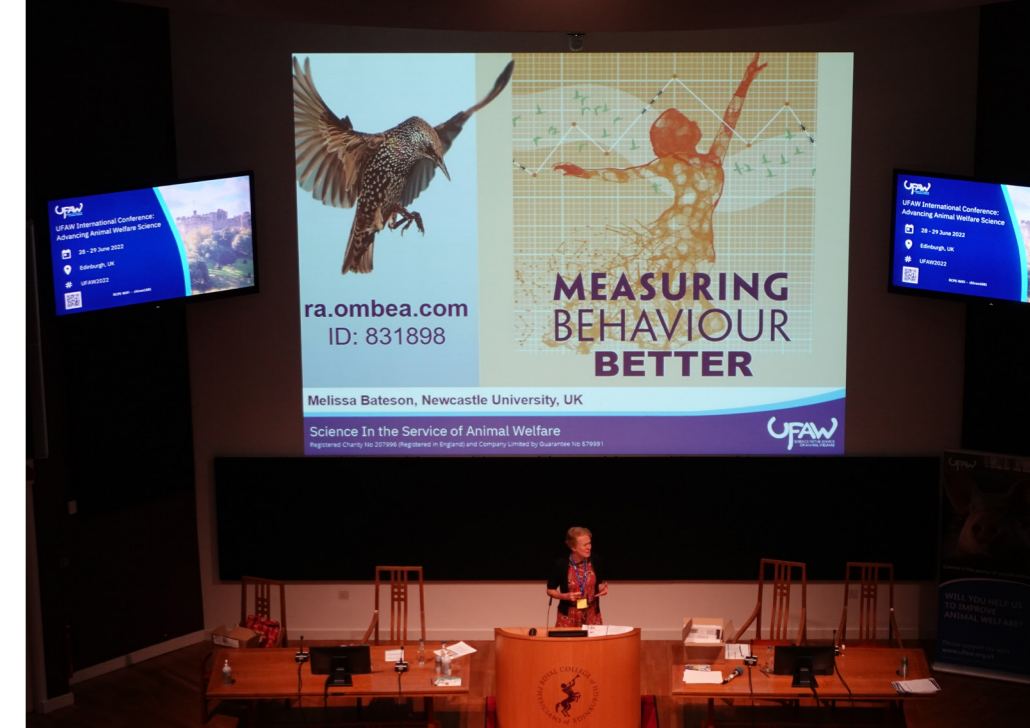


70
poster presentations

Conference workshops

For the first time, the conference featured a workshop and a debate forum exclusively for in-person delegates. The workshop, led by Professor Melissa Bateson (Newcastle University, UK), considered how to improve study design in animal welfare research. The debate forum considered the pros, cons and the challenges associated with animal welfare labelling of food products. A summary of the debate can be found here:

www.ufaw.org.uk/debate2022



Award winners

During the event, the 2022 UFAW Awards were presented to the recipients who also delivered presentations about their work.

UFAW Medal for Outstanding Contributions to Animal Welfare Science

The UFAW Medal recognises the exceptional achievements of an individual scientist who has made fundamental contributions to the advancement of animal welfare over a number of years. The 2022 medal winner was Professor Jane Hurst (University of Liverpool, UK).

Professor Hurst was nominated for the award to acknowledge her fundamental contribution to understanding rodent behaviour and ecology, particularly that of mice. Through her work, Jane demonstrated that the traditional method of handling laboratory mice – picking them up by the tail – was stressful, and that two alternative methods

(tube and cup handling) were much less stressful. Jane publicised her work in such a way that her handling methods are now in widespread use around the world, transforming the welfare of millions of animals globally. You can read more about Jane's contribution to animal welfare science at www.ufaw.org.uk/medal22

Early Career Research of the Year 2022

The UFAW Early Career Animal Welfare Researcher of the Year Award recognises the achievements of early career scientists who have made significant contributions to improving the welfare of animals. This year, the award was jointly awarded to Dr Nienke van Staaveren (University of Guelph, Canada) and Dr Jessica Martin (University of Edinburgh, UK) for their impactful work and breadth of experience covering a range of species and topics. Further information on both Dr van Staaveren and Dr Martin's contributions can be found at www.ufaw.org.uk/ecr22



Professor Jane Hurst



Dr Jessica Martin



Dr Nienke van Staaveren

Animal welfare Student Scholars 2022



The Student Scholarships are a long-standing initiative to encourage students to engage in a short research project and are an important part of UFAW's aim to develop solutions to animal welfare problems through increasing interest in animal welfare science internationally.

Since their inception in 1983, the scholarships have allowed over 450 students to experience what animal welfare science research entails. A substantial number of these scholars have become influential animal welfare scientists and advocates. We are especially delighted that the scheme often provides opportunities for students in the Global South to gain a taste of research which would almost certainly be denied to them without our support. To further support these students, we also run a mentoring scheme to offer them guidance from experienced early career researchers (see page 11).

Congratulations to the following students, who received a scholarship for 2022:



Nelson Achong
Makerere University, Uganda

'Development of a welfare assessment tool for pigs in extensive system of Butemba Town Council, Kyankwanzi.'



Alexandra Bis
University of Guelph, Canada

'Building on "Conventional laboratory housing increases morbidity and mortality in research rodents: results of a meta-analysis".'



Aimee Meikle
University of Glasgow, UK

'Towards a training protocol for complex operant tasks for use in rodent welfare research.'



Valle Sanchez-Izquierdo Lozano
University of Edinburgh, UK

'Validity of activity meters for use as welfare assessment tool in horses.'



Elizabeth Wilcox
University of Edinburgh, UK

'Physical, physiological, and behavioural welfare measures in captive California sea lions.'



Kristina Mertens
University of Bonn, Germany

'Pathing individual performance, welfare indicators and behaviour to keel bone alterations in chickens.'



Robinah Sarah Nakabuye
Makerere University, Uganda

'Assessment of animal welfare knowledge, attitude and practices of animal keepers and wildlife veterinarians in captive animal facilities in Uganda.'



Minette Payne
University of Reading, UK

'Does increased space and environmental complexity change the flight behaviour of zoo housed fruit bats?'



Helen Zobrist
University of Natural Resources and Life Sciences, Vienna, Austria

'What does boredom mean for farmed pigs? The effects of environment and personality on negative valence as a symptom of boredom-like states.'

Animal welfare Student Scholars 2021

Our 2021 Scholars met online in December 2021 to present their work. Izabella Norris (Massey University, New Zealand), was awarded the Farm Animal Care Trust's UFAW FACT Scholarship for their project *'Identification of potential welfare indicators for commercially farmed King salmon (Oncorhynchus tshawytscha) in New Zealand: A scoping review to inform the development of a National Code of Welfare.'*



Given in memory of Ruth Harrison, the author of *Animal Machines*, this scholarship is awarded to the project dealing with farm animals that most impressed the assessment panel.

Scholarships provide subsistence for students and a small amount of support to cover research costs. Further information can be found at www.ufaw.org.uk/awss

Mentoring scheme

Our mentoring scheme pairs 'Mentors' (early career researchers with a strong background in animal welfare) with students carrying out animal welfare research who do not have ready access to the help and resources required to submit a scientifically rigorous research application.

This year, one successful pairing was between Emily DePaoli (student at University of Alberta, Canada) and Carolin Adler (Research Associate, University of Bonn, Germany). Emily said:

"This was a great opportunity to learn more about the very broad field of animal welfare science and how different researchers approach problems such as designing an experiment. Having just started my MSc I was still finding my footing and it was amazing to have a supportive mentor there to bounce questions off of, and discuss issues I was facing with my own research."

UFAW LINKS scheme



We are keen that animal welfare science continues to develop around the world. Our LINKS scheme is an international outreach initiative that encourages engagement with animal welfare science at a global network of participating universities and colleges.



130
universities



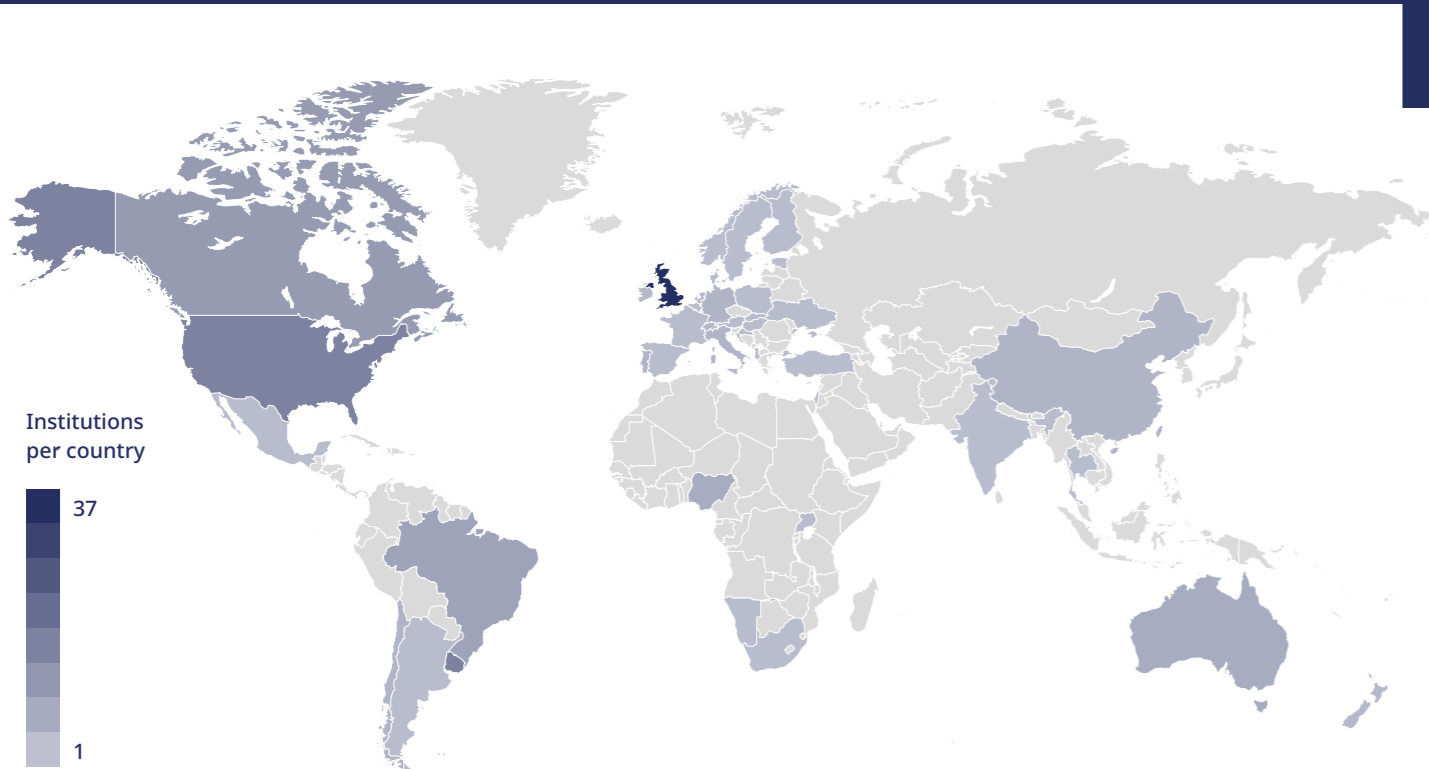
41
countries



7 new
institutions



13 activities
funded



Supporting knowledge sharing

Currently over 130 universities from 41 countries are part of the LINKS network, and in 2021-2022 we added LINKS at a further 7 institutions around the world including in Brazil, Denmark and Nigeria.

Through the scheme, we ensure students and staff at participating institutions are kept informed of UFAW's activities, grants, awards and other opportunities, as well as supporting activities and events at the LINK institutions. This year we funded 13 different activities around the world, including:

In April 2022, undergraduate and postgraduate students from Writtle University College, Brooksby Melton College and Hartpury University presented research undertaken as part of their degree courses at the 16th Annual UFAW Student Animal Welfare Conference hosted by Hartpury University. The event allowed students to learn about research on a diverse range of issues, as well as practising their presentation skills and answering questions from the audience.

Animal welfare workshops at Bowen University, Nigeria

In May 2022, UFAW Link, Professor Olufemi Alabi, and the Animal Welfare Group at Bowen University, hosted a workshop with the aim of improving awareness of the importance of animal welfare. The workshop was attended by students, researchers, livestock farmers, animal transporters and processors, encouraging a multi-stakeholder, collaborative approach to improving animal welfare in Nigeria.

We are keen to expand the network, so if you would like to become a LINK for your university, or would like some more information, please email Stephen Wickens at wickens@ufaw.org.uk

Meetings



At UFAW, we aim to disseminate evidence-based animal welfare information. One of the ways we do this is through our programme of meetings, sharing the latest developments in animal welfare. A few highlights are summarized below. You can also watch recordings of many of our meetings at www.ufaw.org.uk/recordings

Recent advances in animal welfare science VIII:

In June 2021 we held our annual conference online due to pandemic restrictions. Over 1300 people from around the world joined the two-day meeting, which was free to attend. Generous delegates donated over £3266. These donations allow us to maintain free online access to our meetings, something which is essential to our aim of ensuring anyone, anywhere in the world who is interested in animal welfare science can attend our meetings.

At the meeting the UFAW Medal was presented to Professor Joy Mench and the joint winners of the 2021 UFAW Early Career Animal Welfare Researcher of the Year, Dr Jamie Ahloy Dallaire and Dr Jen-Yun Chou, also received their awards. You can read more about the award winners on our website at www.ufaw.org.uk/medal21 and www.ufaw.org.uk/ecr21

International Society for Applied Ethology (ISAE) Congress 2021:

In August 2021, UFAW organised a session on animals used in research and teaching at the virtual ISAE congress. This included a keynote presentation by Professor Georgia Mason (University of Guelph, Canada).

'Enrichment and science: a match made in heaven?' online seminar:

In September 2021, alongside the Laboratory Animal Science Association (LASA), we organised a one-day seminar aimed specifically at communicating the latest research findings on housing and management of laboratory rats and mice for technicians working in the animal facilities.

RSPCA/UFAW Rodent Welfare Meeting:

In October 2021, in conjunction with the Royal Society for the Prevention of Cruelty to Animals (RSPCA), we organised a free-to-attend one-day seminar on rodent welfare.

'Can we work together to improve the process and transparency of ethical decision making in Veterinary Medicine and Surgery?' online webinar:

In collaboration with the Laboratory Animal Veterinary Association (LAVA), we held a webinar over two afternoons discussing some of the ethical issues involved in veterinary research.

'Ethical challenges – how can laboratory and clinical vets support each other in decision making?' online seminar:

In April 2022, together with LAVA and the European Society of Laboratory Animal Veterinarians (ESLAV), we organised a seminar centred around ethics and how pivotal this is when working with animals in the lab or clinic.

AnimaLaw - Visions for the Future:

To mark the bicentennial anniversary of Martin's Act 1822, Britain's first animal protection law, we worked with the UK Centre for Animal Law (A-LAW) to run a five-day online conference exploring the future of animal law. 31 lawyers, scientists and animal advocates from around the world presented their thoughts on what has been achieved and addressed the question of where do we go from here to strengthen animal law and secure a better world for animals? A total of 317 delegates registered to attend. Further details about this meeting can be found on the conference website www.martinsact200.co.uk



Providing expert advice



UFAW is often asked for its expert advice on legislation and guidelines. We respond to consultations from governments and other bodies when they call for evidence on matters which affect animal welfare.

This gives us the opportunity to reach and inform decisionmakers which, in turn, may result in real improvements to animal welfare. UFAW always aims for pragmatic, yet evidence-based responses to advocate for consideration of animal welfare in such consultations.

Over the past year we have responded to several consultations on animal welfare issues including:

Methodological guidance for the development of animal welfare mandates (by EFSA¹)

Revision of EU animal welfare legislation

Animal welfare labelling of food (by Defra²)

Castration and tail-docking of lambs (by the Animal Welfare Committee, AWC)

In response to this consultation, UFAW highlighted the scientific research showing that castration and tail-docking are acutely painful at the time of the procedure, and also (in the case of tail-docking) chronically painful in the following weeks. In addition, tail-docking and castration may increase the risk of mis-mothering, predation, and clostridial disease. There is also a growing body of research indicating the tail-docking may not control flystrike – the primary premise for justifying the removal of a portion of a lamb's tail. Castration and tail-docking should therefore be avoided whenever possible.

¹ European Food Safety Authority's panel on Animal Health and Welfare (AHAW)
² Department for Environment, Food & Rural Affairs

“There is also a growing body of research indicating the tail-docking may not control flystrike.”



UFAW's journal *Animal Welfare*



UFAW's scientific journal, *Animal Welfare*, publishes peer-reviewed scientific research, technical studies and reviews covering all areas of animal welfare science.

During 2021-2022 in *Animal Welfare*:



47
papers published



289
downloads most popular paper



2.293
impact factor increasing



275
downloads most popular article

This year, we published 47 papers along with book reviews and reports and comments. The impact factor (2.293), a measure of how often papers published in the journal are cited by other studies, continues to rise too which indicates *Animal Welfare* remains highly influential.

In 2021-22 the most downloaded paper in *Animal Welfare* was “Animal agency, animal awareness and animal welfare” by Marek Špinko, downloaded 289 times. Of the articles published in 2021-22 the most downloaded (275 times) was “An assessment of animal welfare impacts in wild Norway rat (*Rattus norvegicus*) management” by Sandra Baker and colleagues, published in the February 2022 issue of the journal. This paper, co-funded by UFAW and featuring CEO Huw Golledge and former Chair Alick Simmons as co-authors, provides the basis for our updated rodent control information **see page 4 for more details.**

Animal Welfare to become fully open access

We are pleased to announce that *Animal Welfare* will become fully open access from January 2023. As part of our newly agreed partnership with Cambridge University Press (CUP), the journal will move from being published quarterly, with most papers published only accessible to paying subscribers, to papers being freely available to anyone online. The journal will now be published continuously online, allowing the latest research to be published as quickly as possible.

The publication of *Animal Welfare* supports the element of our mission ‘disseminate evidence-based animal welfare information’. Moving to becoming fully open access, will allow us to further this part of our mission by ensuring that the information we publish is available to all those who can make use of it. This is a particularly crucial change for *Animal Welfare* as it is only by allowing policymakers, regulators and those who work directly with animals to learn about new developments in animal welfare science, that real improvements for animal welfare can be implemented.

Papers submitted to the journal will now be subject to an Article Processing Charge (APC) which is normally paid by the authors or their institution. It is important to us that everyone can publish their research in the journal regardless of funding availability. For authors who do not have funding for APCs or who are not covered by one of the Transformative Agreements between their institution and the publisher (sometimes known as read and publish deals), the journal will now be able to offer discretionary waivers of the APC as well as full or partial geographic waivers to authors based in a lower income country.

www.cambridge.org/core/journals/animal-welfare





Appeals and legacies

Spring appeal update

We work hard to ensure that people worldwide have an opportunity to learn about, and develop careers in, animal welfare science.

In spring 2022, we appealed for your support to enable us to offer more opportunities to people to attend our conference in Edinburgh, providing them with the opportunity to network with colleagues from around the world and benefit from their experience.

Thanks to your support, we were for the first time able to offer subsidised places to all the students who registered to attend our conference. We were delighted to welcome 87 students to the conference in June 2022.



**Thanks to your support,
we were able to offer
subsidised places to
87 students**

Autumn appeal

In recent years, there has been a growing concern about the prevalence of genetic health and welfare conditions in some companion animals such as dogs, cats and rabbits. For example, flat-faced (brachycephalic) dogs such as the French Bulldog and Pug are known to be at increased risk of significant welfare issues including breathing difficulties, skin fold infections, eye disease, difficulty giving birth and spinal disease.

Our vision is a world where the welfare of every animal affected by humans is maximised through a scientific understanding of their needs and how to meet them. We work to achieve this through the creation and maintenance of information resources such as our 'Genetic Welfare Problems of Companion Animals' database. The database provides information for prospective owners, breeders and others in order to prevent the breeding or buying of affected or carrier animals. This online resource is accessed by tens of thousands of visitors annually but is now in need of a major update to ensure it contains all the latest scientific information owners or prospective owners of these animals need.



Updating these resources will cost us more than £25,000 to comprehensively review all the latest scientific information and translate this into an easily-accessible resource which allows the public to make high-welfare decisions when choosing a pet. Your support for this project will be invaluable in ensuring we can disseminate this crucial information as widely and effectively as possible.

To donate to the 2022 Autumn Appeal, visit: www.ufaw.org.uk/autumnappeal

Legacy giving

Making a provision in your Will is one of the most personal and lasting gifts a person can make. The importance of legacies to the continued existence of UFAW cannot be over-emphasised.

**This year UFAW
received over
£58,000
in legacy gifts**



A special thank you

Our heartfelt thanks to Florence Robson, June Turner, Sheila Sharp and Mary Bellamy who made generous provision for UFAW in their Wills. We send our sincere condolences to everyone who has been affected by the loss of a loved one.

We also send a thank you to those who have continued to support our work through general donations and in response to our appeals.

How you can help UFAW

The Universities Federation for Animal Welfare (UFAW) is an international independent scientific and educational animal welfare charity and membership organisation. UFAW's vision is a world where the welfare of all animals affected by humans is maximised through a scientific understanding of their needs and how to meet them. UFAW promotes an evidence-based approach to animal welfare by funding scientific research, supporting the careers of animal welfare scientists and by disseminating animal welfare science knowledge both to experts and the wider public.

UFAW's work relies on the support of members, supporters and donors. Please help us to make even bigger strides in animal welfare science by leaving us a legacy, donating or becoming a member of UFAW.

To support UFAW please visit www.ufaw.org.uk

Administration and finance

Finance and accounts

The following summarised accounts have been extracted from the full accounts and have been prepared in accordance with the Companies Act 2006, which were approved by the Directors/ Council and signed on its behalf on 3rd August 2022.

The full accounts have been audited and the auditors' opinion was without qualification. The accounts will be filed with the Companies Registry and the Charity Commission after the Annual General Meeting on 16th November 2022.

Full accounts, and the audit report can be obtained from the Charity Secretary, The Old School, Brewhouse Hill, Wheathampstead, Herts AL4 8AN

Independent Auditors' Statement to the Council of the Universities Federation for Animal Welfare

We have examined the summarised financial statements that comprise the summary statement of financial activities and summary balance sheet.

Respective Responsibilities of the Council and Auditors:

You are responsible as the Council for the preparation of the summarised financial statements. We have agreed to report to you our opinion on the summarised financial statements' consistency with the financial statements, on which we reported to you on 3rd August 2022

Basis of Opinion: We have carried out the procedures we consider necessary to ascertain whether the summarised financial statements are consistent with the full financial statements from which they have been prepared.

Opinion: In our opinion the summarised financial statements are consistent with the full financial statements for the year ended 31st March 2022



S Munday FCA (Senior Statutory Auditor) for and on behalf of UHY Hacker Young (East) Limited is eligible for appointment as auditor by virtue of its eligibility for appointment as auditor of a company under section 1212 of the Companies Act 2006.

Annual General Meeting 2021

The AGM was held on 13th October 2021. There was the opportunity for members to watch proceedings online if they were unable to attend.

The notice convening the meeting had been sent to all members and was taken as read. The meeting agreed the Minutes of the AGM of 2020 and resolved to receive the Accounts and Auditor's Report for the year ended 31st March 2021. Questions on the Report of the year's work were answered by the officials present and the meeting resolved that the Report and Accounts be received.

It was resolved that UHY Hacker Young, Registered Auditors, be appointed as auditors to UFAW and its associated Trusts and their remuneration should be fixed by Council.

Dr Siobhan Abeysinghe and Mr David Pritchard, stood down under the rules regarding rotation, offered themselves for re-election, and were re-elected. Professor Andrea Nolan resigned and was thanked for her dedication to the charity over the years. No new candidate was proposed for election.

Notice of Annual General Meeting 2022

The Annual General Meeting of the Universities Federation for Animal Welfare will be held at 12.30pm on 16th November 2022 at the Old School, Brewhouse Hill, Wheathampstead, AL4 8AN. The formal notice and agenda have been sent to all members and are available from the Secretary at the registered office.


UFAW Summary of Financial Activity Year Ended 31st March 2022

	2021/22 (£)	2020/21 (£)
Incoming Resources		
Voluntary Income	99,360	120,596
Charitable Activities	98,238	121,465
Investment Income	185,734	184,924
Total Incoming Resources	383,332	426,985
Resources Expended		
Costs of Generating Funds	85,640	88,916
Charitable Activities	378,375	309,586
Other Resources Expended	178,918	167,806
Total Resources Expended	642,933	566,308
Operational (Outgoing)/Incoming Resources for the Year	(259,601)	(139,324)
Other Recognised Gains & Losses		
Net Realised Gain/(Losses) on Investments	444,926	98,588
Net Unrealised Gains/Losses on Market Value of Investments	(152,725)	1,427,666
Net Movement of Funds	32,600	1,386,930
Balance Brought Forward	8,725,048	7,338,118
Balances Carried Forward	8,757,648	8,725,048

UFAW balance sheet Year Ended 31st March 2022

	2021/22 (£)	2020/21 (£)
Fixed Assets		
Tangible Fixed Assets	402,415	406,850
Investments	8,058,372	8,042,533
	8,460,787	8,449,383
Current Assets		
Debtors	35,111	37,066
Money Market & Deposit Accounts	392,294	308,952
Cash at Bank and in Hand	29,214	22,277
	456,619	368,295
Current Liabilities		
Creditors: Amounts Falling Due after More than One Year	(159,758)	(87,630)
Net Current Assets	296,861	280,665
Total Assets less Current Liabilities	8,757,648	8,730,048
Creditors: Amounts Falling Due after More than One Year	-	(5,000)
Net Assets	8,757,648	8,725,048
Funds		
Unrestricted	8,099,736	8,128,837
Restricted	657,912	596,211
	8,757,648	8,725,048

The summarised accounts were approved by Council and signed on their behalf on 3rd August 2022



M R Radford OBE LLB
Chairman



C L McCann BSc ACA
Hon Treasurer

The summarised accounts set out here have been extracted from the full accounts and have been prepared in accordance with the Charities Act 2011.

Legal and administrative information

Vice-Presidents

LA Brown MBE BVSc BA PhD FRSB MBA
FRCVS

Professor P H Holmes OBE BVMS PhD
FRCVS FRSE

B Howard BVMS PhD FRCVS

J H Pratt BVM&S DVSM FRCVS

GD Sales BSc PhD AKC MRSB DipTCDHE

Council (who are the Directors of the Limited Company):

Chairman

A G Simmons BVMS MSc MRCVS
(until 13.10.21) ^{1 2 3}

M Radford OBE LLB (from 14.10.21) ¹

Vice-Chairman

M Radford OBE LLB (until 13.10.21) ¹

Honorary Treasurer

C McCann BSc ACA ^{1 3}

Members

S Abeyesinghe BSc MSc PhD

Professor R M Bennett BSc MSc PhD ^{1 2}

J Downes BVSc MRCVS

A Enticknap PhD ²

Professor A Nolan OBE MVB DipECVA Dip
ECVPT DVA MRCVS (to 13.10.21)

A Olsson MSc PhD ³

D Pritchard BSc BVetMed MPH MRCVS ²

D R Sargan MA PhD ^{2 3}

A G Simmons BVMS MSc MRCVS
(from 14.10.21) ^{1 2 3}

¹ Member of the Finance Panel

² Member of the Fundraising Panel

³ Member of the Grant Panel

Staff

Chief Executive/Scientific Director
Huw Golledge BSc PhD AFHEA

Charity Secretary
Jane Moorman

Research Director
Birte Nielsen BSc MSc PhD

Scientific Officer
Elizabeth Carter BSc MSc

Development Officer
Stephen M Wickens BSc PhD

Managing Editor
Steven Weddell BSc BVSc MRCVS HND

Sub-Editor
Claire Richardson BSc BVM&S CertLAS,
MA (ODE) (Open) PhD FHEA MRCVS

**Scientific Communication
& Outreach Officer**
Luisa Dormer BSc MSc AFHEA, DLSHTM
(from 28.02.22)

Fundraising/Communications Manager
Tracey Woods MCIPR (until 13.08.21)

Office Staff
Samantha Griffin
Wendy L Goodwin (until 30.09.21)
Tina Langford

Principal office

The Old School, Brewhouse Hill,
Wheathampstead, Hertfordshire,
AL4 8AN, UK

Telephone: 01582 831818

Website: www.ufaw.org.uk

E-mail: ufaw@ufaw.org.uk

Registered auditors

UHY Hacker Young (East) Ltd,
PO Box 501, The Nexus Building,
Broadway, Letchworth Garden City,
Hertfordshire, SG6 9BL, UK

Bankers

HSBC Bank plc, 31 Chequer Street,
St Albans, Herts, AL1 4YN, UK

Barclays Bank plc, The Howard Centre,
Welwyn Garden City, Herts, UK

Santander UK plc, Bridle Road, Bootle,
L30 4GB, UK

Solicitors

Withers LLP, 16 Old Bailey, London,
EC4M 7EG, UK

Investment advisors

Evelyn Partners (formerly Smith &
Williamson Investment Managers),
25 Moorgate, London, EC2V 5NS

Obituaries

Lt Col Terry Reynolds

We recently learned of the sad death of Terry Reynolds, UFAW Secretary for over 14 years. Working alongside his wife Ann, who was the Secretary of our sister charity the Humane Slaughter Association (HSA), he oversaw many new initiatives through the 1980s including launching the journal *Animal Welfare* and the Student Scholarship scheme. When he retired from UFAW in 1992 Terry continued to support UFAW's work and enjoyed keeping up-to-date with all our activities. We send our condolences to his family.

Professor Peter Biggs CBE

During the year we also learned of the sad death of Professor Peter Biggs who had been a UFAW Council member and Chairman for a number of years. After retiring as Chairman in 2006 Peter was made a Vice-President of both UFAW and HSA. He remained a keen supporter of our work during his retirement. Our condolences go to his family.

Universities Federation for Animal Welfare

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