



CASE FOR
SUPPORT



THE HUMANIMAL TRUST
One Medicine for Humans and Animals

Registered charity in England and Wales, No.1156927



OUR EVOLUTION

Professor Noel Fitzpatrick, a world-class orthopaedic-neuro veterinary surgeon, founded The Humanimal Trust in 2014. This landmark charity aims to spearhead cross-collaboration at the clinical coalface for the betterment of both humans and animals.

At present, advancements in medical science that could benefit all species take place independently with little sharing of knowledge or information, delaying progress. The Humanimal Trust will facilitate the cross-pollination of expertise and ideas between human and animal medicine, finding disease solutions faster, encompassing respect and fairness within both professions and across society.

The Humanimal Trust aims to become the catalyst for reciprocity of effort between human and veterinary medicine by studying disease of relevance to both in the areas of musculoskeletal, neurologic and oncologic disease as well as infection and regenerative medicine and applying lessons learned through increased awareness, proactive collaboration and investment in education.



HUMANS PLUS ANIMALS TRUSTING EACH OTHER - THE HUMANIMAL TRUST

WHAT IS ONE MEDICINE?

‘One Medicine’ embodies the view that both veterinary and human medicines are dependent on an overlapping collection of biological characteristics, technologies and research discoveries.

The similarities between animal and human biology are far more significant than the differences. Scientific advances have demonstrated striking commonalities and links between species. As such healthcare should be universal and advance hand in hand. To many it may seem obvious, yet it is not happening. There is some early progress with One Medicine in the US but little in the UK and Europe.

250 years ago veterinary and human medicine diverged and a precedent was set that stands to this day. As a result, throughout the world, animals suffer unnecessarily for the advancement of human health and humans rarely benefit from advancements made in veterinary medicine at the clinical coalface.



*The Humanimal Trust
is not dedicated to one
disease or one species.
We fight all disease
for all species.*

WHY DOES IT MATTER? AND WHY DO WE NEED TO TAKE ACTION NOW?

- One Medicine is the most ethical option for the next century but the changes need to start **today**. Every day wasted is another day that many animals across the globe will die or suffer unnecessarily for the sole benefit of humans and another day that humans and their families continue to live with the life changing impact of less advanced treatments and procedures than those available to animals.
- There is significant, wide-ranging evidence that confirms most diseases on earth affect both animals and humans and that we share an overlapping collection of biological characteristics and genetic profiles.
- Animals do not currently get back all of the medical advances they give to humans, often suffering and sacrificing their own lives so we can advance ours with little or no reciprocal benefit. We believe it is wrong that an animal may not go on to benefit from a procedure or device or therapy or drug they were used to develop for the sole advancement of humans. Why would we not share that knowledge to preserve and improve the lives of animals at the same time?
- Humans do not always benefit when advancements are made in veterinary science, resulting in unnecessary human suffering. We believe it is wrong that advances in veterinary medicine allow for animals like dogs and cats to have access to advanced treatments and procedures and as such go on to live pain free, active lives, yet the same is not always made available to humans, for example a war veteran amputee or a child with cancer? Why would we not share that knowledge to preserve and improve the lives of humans at the same time?
- We only have a finite resource on this planet and species are becoming extinct. All ecosystems rely on each other for the future of the planet. Every species is important and plays its part in our world. The implication of losing whole groups and species for our planet is potentially catastrophic. We need to work together to preserve life and quality of life for all species. There is not an endless supply we can all take for granted for our own advancement.
- We estimate that less than 1% of society as a whole has any knowledge or understanding of One Medicine and the significant benefits it will bring to the world. There are of course variations within this, but overall clarity and understanding of this subject or recognition of why it is important is very very low and as a result the unnecessary suffering for animals and humans continues.

Wasting time is wasting lives



Our Vision

A world where One Medicine is a well understood and accepted concept and a society that embraces the regular collaboration of the veterinary and medical professions to support the sharing of ideas, technology, expertise and research, enabled through appropriate policy and legislation to successfully relieve the suffering of animals and preserve the good health of humans in tandem.



Our Mission

To be pro-active catalysts that inspire and enable professionals, academics, policy makers, regulators and the general public to embrace One Medicine. We aim to reduce, refine and replace animal testing and to promote reciprocity between professions for the benefit of humans and animals simultaneously. We will study disease of relevance to both at the clinical coalface and apply lessons learned through awareness, collaboration and education.



Awareness

We seek to raise awareness of the need for cross-pollination of ideas and innovations across both human and animal medicine and to engage both medical professionals and society on this journey. By generating advocates for this currency of compassion in medicine, we aim to create new possibilities for the treatment and cure of disease in all species, changing attitudes and breaking down historical barriers and complacency.



Collaboration

It is only by working together across human and animal medicine that advance can benefit all. We will drive collaboration of professions to work side by side, remove barriers, share experience, knowledge and ideas. United we are powerful. One Voice, One Medicine. We believe it would be foolhardy not to explore the 'middle ground' where all species who share the planet can advance and benefit at the same time.



Education

We aim to inspire the next generation to take the message of One Medicine forward for the benefit of our children and for the animals of the future. Together we will educate and inspire those who can change society that there is a better way, where resource can be more optimally employed. This education of respect and reciprocity will influence society for the betterment of all species.



Research

We are only just beginning to understand the complex interactions between human and animal diseases and the opportunities for treating both through the approach of One Medicine. We aim to fund research in disease of clinical relevance to both humans and animals, through which we will provide tangible evidence of efficacy for the approach of reciprocal benefit and thereby lay the foundations for a new era of medicine.

Our 4 objectives are the foundation of our work as a charity and all activities focus on one or more of these objectives.

RECIPROCITY - THE 4TH 'R'

We recognise and support the need for safe drugs and implants. At present, across the globe, thousands of healthy animals are sacrificed every year to aid the advancement of human medicine. How many more, healthy animals need to be killed before it is recognised what has already been done at the clinical coalface with animals in need of that help and opportunity?

The United Kingdom has one of the strictest frameworks for animal research in the world, and it is forbidden to carry out animal research:

- If there is an alternative;
- For cosmetics (or their ingredients), tobacco or household products.

Additionally, researchers in the UK are obliged to follow the “three Rs” approach: to Replace the use of animals with alternative techniques, or avoid the use of animals altogether; to Reduce the number of animals used to a minimum, to obtain information from fewer animals or more

information from the same number of animals; and to Refine the way experiments are carried out, to make sure that animals suffer as little as possible. The UK Government leads the world in funding research into the three Rs to reduce the need for animal testing through the National Centre for Research into the three Rs. (www.nc3rs.org.uk)

AT THE CLINICAL COALFACE

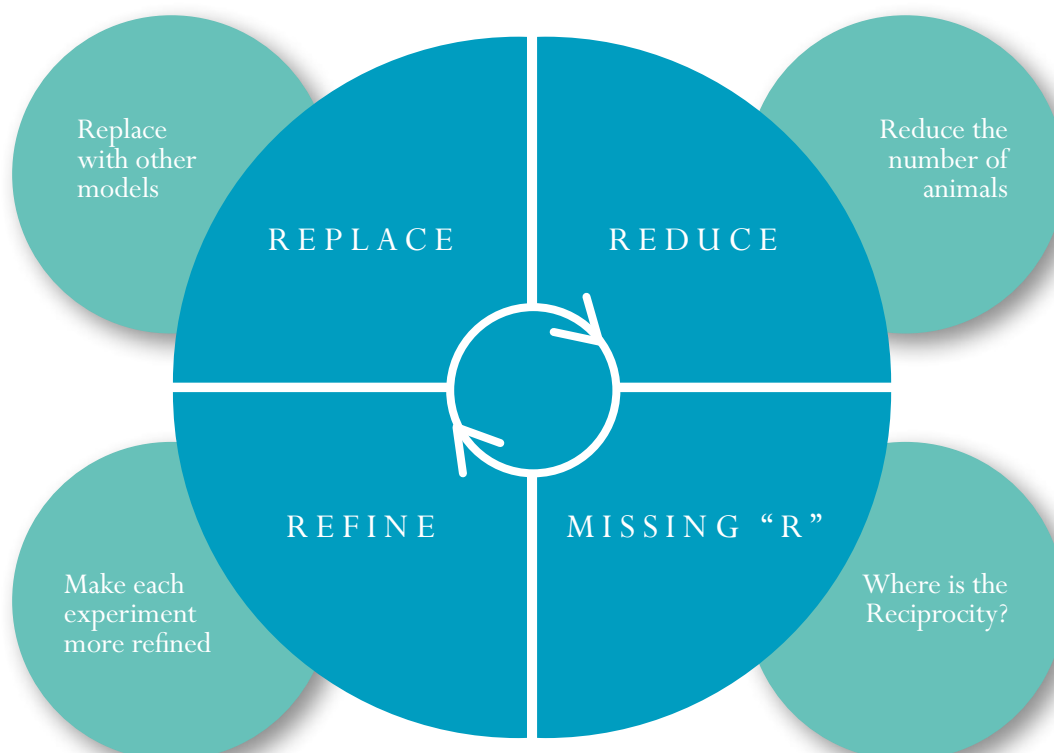
There are two types of animal model

- 1 An experimental model – Inducing disease in a healthy animal for the benefit of humans
- 2 An act of clinical veterinary practice – treating disease in a diseased patient for the benefit of that animal – which may also help humans

Why do we choose (1) over (2)?



THE 4 R'S OF ANIMAL RESEARCH



OUR SUCCESSES SO FAR AND PLANNED PROJECTS

CAMPAIGNING FOR CHANGE:

Our early work has seen us campaign for change at the highest level, including

- A submission by The Humanimal Trust to the House of Commons on Regenerative Medicine (available on our website www.humanimaltrust.org.uk).
- Mike Uglow, Consultant Orthopaedic Surgeon at University Southampton NHS Trust, formally representing The Humanimal Trust has responded to an article on Amputation Prosthesis in humans published in the Bone and Joint Journal (BJJ), highlighting a specific example of missed collaboration between veterinary and human medicine to the detriment of humans.

We proactively look for opportunities to lobby for change and to challenge the status quo for the advancement of One Medicine.

AWARENESS & COLLABORATION:

The Humanimal Trust has taken stage at a variety of high profile events since their launch in 2014. These have included:

- Region of Oxford & Southampton Paediatric Orthopaedic Group (ROSPOG) meeting
- The Hay Festival
- “Advances in Orthopaedics in dogs and why it matters to you” - Leicester NHS Trust
- Vet Festival
- Sam Simmonds meeting of the South West Thames Orthopaedic Club
- Orthopaedic Research UK at The Royal Society of Medicine

These are in addition to more general public awareness and engagement events such as DogFest, One Live and the National Pet Show, all of which generate valuable general public support and understanding.

Invitations for future events are gaining momentum as our profile increases and we are looking to expand our team of engaging and dynamic presenters, with advocates from veterinary, medical and equally non clinical backgrounds, who will represent the charity and grow our influence, develop understanding and raise the awareness that will in turn drive change. Expanding our team to deliver this strengthens the power and credibility of the message to a more diverse audience.

Future opportunities include both academic and professional stages as well as Media and Television opportunities specific to One Medicine and The Humanimal Trust.

THE HUMANIMAL HUB:

2017 will see the initial launch of The Humanimal Hub - Our online centre of excellence that will be the beating heart of the charity and will go on to become the go-to destination for veterinary and medical professionals, academics and advocates of One Medicine. Here we will publish the principles of One Medicine, together with journals and clinical resources, share advice and provide a platform for the discussion of ideas on matters of animal and human health, proactively driving awareness, collaboration and education in support of our One Medicine vision.

UNIVERSITY OF SURREY:

In August 2016 The Humanimal Trust announced the sponsorship of two 3 year, One Medicine focussed PhD's for 2016-2019 in conjunction with the University of Surrey. This is our first significant step to inspire the next generation through formal education, to take the One Medicine concept forward in the future. This is also our first step as a charity into the research arena, an area we hope to develop further in the future as we become more established.

We plan for this to be an annual selection, with a new One Medicine focussed PhD commencing each October, sponsored by The Humanimal Trust.

ONE MEDICINE CONFERENCE:

We are in the early stages of discussion for a longer term project to shape a national One Medicine Conference in the UK that we can grow and expand over time, bringing together academics, veterinary and medical professionals with, policy makers, regulators and legislators on a level platform, maximising strengths and diversities, breaking down barriers and sharing experiences, uniting towards our One Medicine vision.

OUTREACH PROGRAMMES:

Currently in development is a programme focussed on universities, colleges and research institutions, in particular those who host both a veterinary and medical schools, raising awareness of One Medicine, fostering collaboration at an early stage and inspiring the generation who will take One Medicine forward in the next stage of the journey.



AREAS WE WOULD LIKE TO DEVELOP IN THE FUTURE

Expanding our research activities: It is only through research that we will find treatments and cures for diseases affecting animals and humans alike.

Our work in this field will directly depend on the funds raised to support such activity, as it can be costly and resource heavy. As such our activity in this area will be scaled accordingly but over reasonable time will include the following

- Basic bench research
- Direct clinical studies
- Research grants
- Innovation grants
- PhD and Bursary funding

There are many areas where there is a strong link between animal and human research but in recognition of the current strengths within the One Medicine field we plan to initially focus research activity in the following 5 areas

- Musculoskeletal Disease
- Neurology and Neurosurgery
- Cancer: Medical & Surgical
- Infection incl Antibiotic Resistance
- Regenerative Medicine incl Stem Cell therapies

In preparation for this work in the future, The Humanimal Trust will apply to join the Association of Medical Research Charities (AMRC) and we commit to fulfilling their registration requirements by end 2019.

We continue to identify projects with promise in order that we can enter this field actively as we become established and positioned to do so effectively.

WHAT IS OUR STANCE ON ANIMAL TESTING?

WHY IS THERE A NEED FOR ANIMAL TESTING AT ALL?

It is the law in the UK and elsewhere that most new medical treatments, devices, drugs and therapies intended for human and veterinary use need to be tested on animals, and we accept that based on current scientific knowledge, there is sometimes no alternative way of proving the safety and efficacy of these innovations. Research into how the body works (in health as well as in disease) and the development of potential new therapies and treatments for humans and animals also involve some animal research.

WHAT IS THE UK POSITION ON ANIMAL TESTING?

The United Kingdom has one of the strictest frameworks for animal testing in the world, and it is forbidden to carry out animal testing:

- If there is an alternative;
- For cosmetics (or their ingredients), tobacco or household products.

Additionally, researchers in the UK are obliged to follow the “three Rs” approach: to Replace the use of animals with alternative techniques, or avoid the use of animals altogether; to Reduce the number of animals used to a minimum, to obtain information from fewer animals or more information from the same number of animals; and to Refine the way experiments are carried out, to make sure that animals suffer as little as possible. The UK Government leads the world in funding research into the three Rs to reduce the need for animal testing through the National Centre for Research into the three Rs. (www.nc3rs.org.uk)

WHAT IS THE CHARITY STANCE ON ANIMAL TESTING?

The Humanimal Trust do not directly fund research involving the use of healthy, purpose-bred research animals. However, we recognise the current importance of preclinical animal studies in defining the safety and technical feasibility of new medical treatments, devices, drugs and therapies intended for both human and veterinary use

We emphasise the need for scientific researchers to work with clinical patients where possible, and to study naturally occurring disease in animals. Spontaneously occurring disease in animals should be studied for lessons that can be applied to the human and veterinary medical spheres and such conditions may sometimes provide a superior model to artificially induced conditions in laboratory animals.

The Humanimal Trust will share knowledge and experience from veterinary clinical practice, thus helping to ensure that the use of otherwise healthy animals in research is minimised. We will collaborate with human medical researchers, including those conducting animal studies, as long as our involvement works towards replacing, reducing and refining that animal research.

In addition, we strongly promote the 3 Rs of Replacement, Reduction and Refinement being reconceived as the ‘4 Rs’, of Replacement, Reduction Refinement and Reciprocity. We will only fund or endorse a project if there is a clear potential benefit to both human and veterinary patients.

WHAT DIFFERENCE WILL YOUR DONATION MAKE?

Your support will help us beat disease and end unnecessary suffering. Our work is varied and wide-ranging and as such so is the financial diversity needed to support this. Likewise the cost involved is not always tangible or clear for our supporters. With this in mind we recognise the need for regular communication with our supporters about our activities and successes and the importance of this in building understanding of our work and mission.

We operate in a way that we can adapt our activities to suit our changing financial position, however it is only with engagement, clarity of activities and focussed, structured fundraising activity that we can fund our activities and drive significant change. There is a direct link between funding and each of our four strategic objectives that feed our mission, so we can always ensure we are doing something valuable towards our vision.

Awareness		Collaboration		
Every £1 will win hearts and minds and open eyes to the possibilities for all species. Together we will change attitudes and breakdown barriers.		Every £1 will drive collaboration between veterinary and medical professionals. Together we will unite for the advancement of humans and animals.		
The cost of our work				
£5,000 a stand at a professional veterinary or medical conference. Raising the profile of One Medicine in the UK and around the world with the people on the frontline who can make One Medicine a reality.	£10,000 Commission, write and publish one science based or academic online journal. Sharing understating and knowledge to broaden perspectives and opinions.	£25,000 a professional scientific speaker to represent The Humanimal Trust and share our vision at a series of professional and academic engagements. The Voice of One Medicine.	£100,000 a modest, one day One Medicine Conference; Uniting academics, professionals, policy makers towards a common goal, breaking down barriers.	£100,000 an outreach programme to work across universities and colleges. Inspiring and engaging the professionals of tomorrow to take our vision forward for future generations.



Education

Every £1 will educate and inspire the next generation. **Together** we will nurture and inspire the young professionals who will change society.

£100,000 a 3-year PhD in a matter of simultaneous health advance for human and animals together. Encouraging fresh ideas and thinking.

Research

Every £1 will contribute to ground-breaking research. **Together** we will provide the evidence to make 'One Medicine' better understood and accepted.

£250,000 a series of innovation grants to explore new territory and bring new understanding. Exploring new horizons of what is possible.

£2,000,000 funds x1 significant research project into a matter of human and animal health for the benefit of all species simultaneously.

The Humanimal Trust

Every £1 will change the world we leave for the children and the animals of tomorrow - **Together** we build a legacy for generations to come.

£5,000,000 per year allows us to deliver a full range of activities across Awareness, Collaboration, Education, Research, towards our vision for 'One Medicine in the UK and across the world.

FUNDING & DONATIONS

HOW ARE THE HUMANIMAL TRUST FUNDED?

We are funded entirely on charitable donations and public support and receive no government or lottery funding. Our work is only possible with generous financial support.

We recognise that as a fledgling charity, brand awareness and consumer engagement take time to build, in a sector where the competition for supporter funds is highly competitive.

As we look to the future with clear objectives, we plan to broaden our fundraising strategies to incorporate wider engagement and support with a more structured and multi-layered approach, attracting and securing the funding we need to expand our operation and make One Medicine a reality. This includes individually targeted campaigns for specific pieces of work we would like to be involved with.

WHAT ELSE DO WE SPEND DONATED FUNDS ON?

As with any business, we of course have overheads in order to operate and function. However we wholly recognise that supporters raise money and donate to our charity to fund our vision.

Like any charity our resources are limited and precious and with this in mind our trustees work closely with our operations team to ensure that our efforts are focussed in the areas that will add most value and make the most significant difference to our vision and mission.

We do not hold court at expensive offices. We utilise technology to enable remote working, maximising online technology and web based communications and remote conference facilities to help keep our basic operating costs as low as possible.

Likewise we maximise the use of individuals paid on a contractual or freelance basis so we can flex resource in a cost effective way as needs change.

We currently benefit from volunteer support in administration, finance, marketing and event coordination and we recognise the wide value this adds to our business, while providing supporters and advocates with an avenue to get involved with our work. With this in mind we plan to expand our volunteer operations in Q4 2016 and on into 2017.

In addition, our founder, chairman and the board of trustees all give their time, commitment and involvement to The Humanimal Trust with zero financial remuneration.

WHAT WILL CHANGE BY SUPPORTING THE HUMANIMAL TRUST?

"I believe that there is only one rational route forward for both animal and human medicine and that is by working together. This is 'One Medicine.' After all: a cancer cell doesn't care if you are a Labrador or a human. Medical science for all species should move forward together"

PROFESSOR NOEL FITZPATRICK,
FOUNDER THE HUMANIMAL TRUST.

Every day we waste, lives are lost. It makes sense to work together. One Medicine is the ethical way forward for improving the health of both animals and humans and relieving unnecessary suffering. Animals will no longer suffer unnecessarily for the sole advancement of humans and humans will benefit from advances made in veterinary clinical practice. We recognise that change cannot happen in isolation and that society as a whole needs to unite. We will work with people from all backgrounds and with different perspectives and motivations to bring about the change so passionately believe in.



ONE MEDICINE FOR HUMANS AND ANIMALS



"I have committed my entire life and everything I stand for to this goal. The future of our children and the planet they inherit depends on what we do right now."

PROFESSOR NOEL
FITZPATRICK, FOUNDER
THE HUMANIMAL TRUST



DONATE ONLINE WWW.HUMANIMALTRUST.ORG.UK
FOR FUNDRAISING IDEAS CHECK OUT
THE “GET INVOLVED” SECTION OF OUR WEBSITE



THE HUMANIMAL TRUST
One Medicine for Humans and Animals

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If you would like to get involved in other ways please write to us at info@humanimaltrust.org.uk

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