



Camp Beagle Science Information



The Science - The 3Rs

- The 3Rs was established in 1959 for 'humane experimental technique on animals'. This outdated policy is today enshrined in the 1986 Animals in Scientific Procedures Act, but both this Act, and its supporting 3Rs, have been surpassed by the 2003 Human Genome Project, bringing advances in knowledge about evolutionary biology, genetics, gene regulation, gene expression and gene networks - together with advances in understanding complex systems - all of which has significantly increased our understanding on why animals have no predictive value for human patients, in medical research and safety testing.
- The 3Rs policy is literally 3 words beginning with the letter R: reduction of animal numbers, refinement of the experiment procedures, so they cause less animal suffering, and replacement with 'alternatives', whenever possible. This last R - 'replacement with alternatives' - is the most misleading of all the Rs, as it falsely states that animal experiments work for humans and we just need an 'alternative' to be less cruel.
- Animal testing has failure rate of a least 90% (FDA, National Cancer Institute, BMJ). Human-based research, such as gene-based medicine, is on the other hand achieving phenomenally accurate results: animal testing and human-based research are opposites, not 'alternatives' for each other. The 3Rs policy is mainly responsible for keeping the myth alive, that animal testing works for humans.
- Many MPs are still duped by the 3Rs policy, which was established in 1959 as an ethical policy to help animals, when science was still very much in its infancy in terms of understanding the full human medical catastrophe which is animal modelling - as we understand this today.

Human-based research

- Today, we have entered the age of personalised medicine. For example, in gene-based medicine we are mapping the individual DNA of each patient, as well as the individual DNA of that patient's cancer, (by way of example) and then treatments are administered to target the exact conditions for that unique person, and their very specific illness. We now know that even identical twins respond completely differently to drugs and disease. In light of this extraordinary medical knowledge and advancement, the continued funding of laboratory animal models - using a completely different species from humans - certainly belongs in the history book of 1847, when animal experimentation was first institutionalised by a French doctor, Claude Bernard, who went on to reject Darwin's Theory of Evolution.
- Abandoning failure is never dependent upon what else is available. Animal experiments fail the search for human treatments and cures and the EDM 175 science hearing will prove that to the Government. Funding can then be redirected to human-based methods - such as gene-based medicine - which comes with a fantastic track record of success.
- Put simply, this is why vets and human doctors train at different medical schools, and humans do not visit the vet when they fall ill.

Recommendations of some peer reviewed science papers on the above:

- The Nuremberg Code Subverts Human Health and Safety by Requiring Animal Modelling, Greek, R. Pippus, A. Hansen, L. available here:
- <https://bmcmedethics.biomedcentral.com/articles/10.1186/1472-6939-13-16>
- Are Animal Models Predictive for Humans? Shanks N, Greek R, Greek J. available here: <https://pubmed.ncbi.nlm.nih.gov/19146696/>
- Animal Models and Conserved Processes Greek, R. Mark J Rice, available here: <https://pubmed.ncbi.nlm.nih.gov/22963674/>
- Animal Models in an Age of Personalised Medicine Greek, R. Menache, A. Rice, M available here: <https://pubmed.ncbi.nlm.nih.gov/29783296/>
- Human Stakeholders and the Use of Animal Models in Drug Development, Lisa A. Kramer. Greek, R. available here: <https://onlinelibrary.wiley.com/doi/full/10.1111/basr.12134>
- Questions regarding the predictive value of one evolved complex adaptive system for a second: Exemplified by the SOD1 mouse. Greek R. LA Hansen. available here: <https://www.sciencedirect.com/science/article/pii/S0079610713000539>

Camp Beagle's Science Position

- For a summary of additional science information please visit the science page at Scarlett Beagle's website: <https://www.scarlettbeagle.org/science-campaign/>



Camp Beagle EDM 175 Information



PARLIAMENT EDM 175

- Camp Beagle's scientific position is represented by the science-based campaign For Life On Earth (FLOE); FLOE's Ambassador is Scarlett, Beagle - winner of the 2018 Daily Mirror, Animal Hero 'Inspirational Animal of the Year' award, for her part in helping to end animal experiments.
- Scarlett spent the first two years of her life in a terrifying toxicology laboratory, before she was rescued. She is now helping Ricky Gervais, Peter Egan and Camp Beagle end these horrific experiments on dogs, and other animals.
- Camp Beagle is calling for the science hearing outlined in Parliament EDM 175: the EDM calls for the Government to mandate a rigorous public scientific hearing on claims that animals can predict the responses of humans, in medical research and safety testing. The EDM cites current medical knowledge reported by the British Medical Journal, [1] by the FDA - which states that nine out of ten new medicines fail to pass human trials, because animals cannot predict human responses [2] - and by the US-based National Cancer Institute - which says we have lost cures for cancer, because studies in rodents have been believed. [3] The EDM focuses on Drs. Greek and Shanks' Trans-Species Modelling Theory, founded upon the Theory of Evolution, explaining why animals fail as predictive models of humans - and the EDM closes with this text:
- 'urgently calls on the Government to mandate a rigorous public scientific hearing, judged by independent experts from the relevant science fields, to stop the funding of the now proven failed practice of animal experimentation and increase funding for state-of-the-art human-based research, such as human-on-a-chip and gene-based medicine, to prioritise treatments and cures for human patients and stop the suffering of laboratory dogs and other animals,'
- The EDM 175 hearing will be judged by a panel of independent experts from the relevant fields of science - including evolutionary biology, complexity science, clinical research, chaos theory, basic research, philosophy of science and drug development. The independence of these judges is key to the hearing's transparency and makes it unique and historic, because previous inquiries into animal testing have all been overseen by many scientists with a clear vested interest in animal experiments, and the outdated 3Rs policy.
- The EDM 175 science hearing needs to happen without delay, to free the Government from advisors in the cruel and outdated animal experimentation community, and enable the Government to then be advised by experts in the highly specialised state-of-the-art fields which govern this scientific field, who have no motive except to elucidate scientific truth.
- For Scarlett Beagles Take Action page, please visit this link:
<https://www.scarlettbeagle.org/take-action/>

References

1. BMJ 2014;348:g3719 available here
2. FDA Issues Advice to Make Earliest Stages Of Clinical Drug Development More Efficient. FDA, June 2006
3. Gura T: Cancer Models: Systems for identifying new drugs are often faulty. Science. 1997, 278 (5340): 1041-1042.

Resources

Daily Mirror exclusive exposés: 21st June, and 24th September, narrated by Peter Egan.

FLOE's Press Releases: 21st June and 24th September.

Peter Egan's Parliament Petition: 'Change the law to include laboratory animals in the Animal Welfare Act' <https://petition.parliament.uk/petitions/591775>

Ricky Gervais and Peter Egan's campaign with rescued laboratory dog Scarlett Beagle: <https://www.scarlettbeagle.org/science-campaign/>

Quotes against animal testing by scientists working in the pharmaceutical industry

Drs. Greek and Shanks' Trans-Species Modelling Theory: <https://www.afma-curedisease.org/tsmt.aspx>

Americans and Europeans for Medical Advancement: <https://www.afma-curedisease.org>

Patients Campaigning for Cures <https://www.patientscampaigningforcures.org>

The science-based campaign For Life On Earth (FLOE) <https://www.forlifeonearth.org>