

Animal Research 2020 and Beyond

Digital Conference, 13th of November 2020



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Program

(all times are in CET)

9:00 am – 10:00 am	Opening session Rolf Zeller and Nuno Franco present Animal Research Tomorrow
10:00 am – 12:00 pm	Session 1 Improving science and research practice of animal experimentation <u>Chair</u> Johannes Wilbertz (Karolinska Institutet, Stockholm)
10:00 am – 10:50 am	<u>Keynote</u> <i>“EU legal framework - exploring all the tools for better science”</i> Susanna Louhimies (DG Environment, European Commission)
10:50 am – 11:20 am	<i>“FELASA over 40 years, a network prepared for the future”</i> Ana Isabel Moura Santos (FELASA)
11:20 am – 11:50 am	<i>“Implementation of the 3R principle in musculoskeletal research»</i> Annemarie Lang (Charité, Berlin)
12:00 pm – 1:00 pm	Lunch break
1:00 pm – 3:00 pm	Session 2 The Ethics of Animal Research <u>Chair</u> Ken Gordon (NWABR, Seattle)

1:00 pm – 1:50 pm	<p><u>Keynote</u> <i>Animal research ethics: taking the challenges seriously</i>"</p> <p>Anna Olsson (University of Porto)</p>
1:50 pm – 2:20 pm	<p><i>"Animal Research in a Democratic Society: Balancing Interests and Reforming Practices"</i></p> <p>Simone Pollo (University of Rome)</p>
2:20 pm – 2:50 pm	<p><i>"Challenges in project evaluation in animal research. The concepts of Necessity, Suitability and Proportionality"</i></p> <p>Matthias Eggel (University of Zurich)</p>
3:00 pm – 3:30 pm	<p>Coffee break</p>
3:30 pm – 5:30 pm	<p>Session 3</p> <p>Animal research and its relation to society and medicine</p> <p><u>Chair</u> Richard Bianco (University of Minnesota)</p>
3:30 pm – 4:20 pm	<p><u>Keynote</u> <i>"Shifting gears in research and drug development"</i></p> <p>Kirsty Reid (EFPIA)</p>
4:20 pm – 4:50 pm	<p><i>"PhD Bioscienze Italia: the voice of young researchers"</i></p> <p>Giulia Birolini (University of Milano)</p>
4:50 pm – 5:20 pm	<p><i>"Needs and constraints associated to animal experimentation in high containment facilities"</i></p> <p>Hervé Raoul (Inserm, Lyon)</p>
5:30 pm – 6:30 pm	<p>Discussion</p> <p>The future of animal research</p> <p><u>Moderator</u> Aimée Zuniga (University of Basel)</p> <p>Wrap-up and farewell</p>
6:30 pm	<p>End of conference</p>

Speakers



Susanna Louhimies works at the European Commission, the Directorate-General for the Environment since 1996. She is responsible for the EU Directive on the protection of animals used for scientific purposes and any horizontal issues in relation to scientific, educational and regulatory use of animals. As an integral part of her portfolio she follows closely the implementation of the principle of the Three Rs (Replacement, Reduction and Refinement of animal use) in different policy areas. She is also responsible for the co-ordination of the regulatory acceptance of new and updated testing methods in the EU legislative framework for chemicals (REACH), as well as promoting their acceptance internationally, mainly through the work of the OECD.



Ana Isabel Moura Santos is the current president of FELASA and Vice Dean of the NOVA Medical School in Lisbon. From 2011 to 2016 was the Honorary Secretary of FELASA and has served for many years on the Accreditation Board for Education and Training of the organization and as a member of several Scientific and Organizing Committees of FELASA Congresses. She has a background in Neurobiology and has been involved in the organization of structured training programmes for persons using live animals for research purposes in Lisbon since 1994.



Annemarie Lang studied veterinary medicine discovering her great interest for research in the meantime. She did her doctoral studies at the institute of immunology at the Freie Universität Berlin and joint Prof. Buttgereit group at the Department for Rheumatology and clinical immunology at the Charité-Universitätsmedizin in 2012 to conduct her PhD. She is currently the team leader of the 3R-research area. Therefore, her research focus on the development of new sophisticated human-based in vitro models to simulate musculoskeletal disorders such as osteoarthritis, rheumatoid arthritis or fracture healing. In parallel, she is working on refinement tools to improve animal welfare in femoral fracture mouse models and developed together with a team a platform to share organs and tissues of sacrificed animals in science (AniMatch).

Anna Olsson is a researcher at Institute for Research and Innovation in Health at the University of Porto in Portugal, where she leads the research group in laboratory animal science. Her background is a degree in Animal Science and a PhD in ethology from the Swedish University of Agricultural Sciences. Her main research interests are behaviour and welfare of domestic animals, and ethics of animal research and technology. She has coordinated several European research activities in 3Rs and ethics, including the ANIMPACT project addressing regulation of animal research and presently the REMODEL project on advanced 3D models for biomedical research. She is co-author of several books and book chapters on animal research ethics, heads the institutional animal welfare and ethics review body and coordinates a FELASA accredited laboratory animal science course. Anna Olsson is a member of the scientific advisory board for Swiss 3R Competence Centre and a trustee for Universities Federation for Animal welfare (UFAW), an editorial board member for Laboratory Animals (since 2004) and academic editor for PLOS ONE (since 2016).



Simone Pollo is Associate Professor at the Department of Philosophy of Sapienza University of Rome, where he teaches "Bioethics" and "Ethics and Lifes Sciences". His research interests include Bioethics, Animal Ethics and Philosophy of Biology.



Matthias Eggel is a Post-Doctoral Fellow at the Institute for biomedical ethics and history of medicine of the University of Zurich. He works on animal research ethics (specifically the practice of animal research authorization) and genome editing. His first PhD (2015) was in molecular biology and biochemistry but later he pursued a second PhD (2018) in biomedical ethics working on the concept of benefit in animal research evaluation and on the ethics of genome editing in animals. He studied Human Biology at the University of Zurich.



Kirsty Reid is the Director for Science Policy at EFPIA. She is team leader and Science Policy topic lead where her focus includes Innovation policy implementation with particular focus on science and research matters including licence to operate and supporting IMI-related work. She has over 12 years of experience in EU public and regulatory affairs covering various EU legislation and policy areas, working specifically on animal experimentation, alternatives to animal testing, and environment, health and safety issues. She did a PhD in Biology in South Africa.



Giulia Birolini graduated in Biotechnology in 2014 and in 2016 obtained a master's degree in "Molecular biotechnology" after spending one year in Leiden University in the Netherlands. She has just finished her PhD in "Molecular and Cellular Biology" in the Lab of Prof. Elena Cattaneo in Milan, where she is now doing her PostDoc. She is interested in studying the mechanisms that underly the reduced biosynthesis of cholesterol in the brain of Huntington's Disease mice, resulting in impaired cognitive and motor function.



Hervé Raoul is Director of Research (INSERM) and Director of the Jean Merieux BSL4 laboratory (Lyon) since October 2005. He is involved in various international collaborations and in European-funded programs. He is also the Director General of ERINHA, the European Research Infrastructure on Highly pathogenic Agents since 2017 and member of various national and international scientific boards.

H. Raoul has a PhD in Biology of Blood Cells (1995, Univ of Paris 7, France) and an Accreditation to supervise research (HDR) in Toxicology (2000, Univ of Paris XI, France).