

| Monday 18 <sup>th</sup> November - 1st DAY PM - 13:00 -18:00 |  |   |
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| 12:00-13:00  | Arrival and Registration- <i>LUNCH &amp; coffee &amp; tea</i>  |   |
| 13:00-14:30  | <p><b>CARE, WELFARE, HUSBANDRY &amp; FACILITY MANAGEMENT</b><br/> <b>Room:</b> Writers Suite<br/> <b>Chair:</b> Laura Sheldrake</p> <p><b>How STRANGE are your study animals?</b><br/> <i>Mike Webster, University of St Andrews</i></p> <p><b>Preparing rhesus macaques for academic research.</b><br/> <i>Katie Stupples, CFM, MRC Harwell</i></p> <p><b>Rodent minds and senses, and their implications for study suitability'. Charlotte Burn, RVC, London</b></p> <p><b>Establishing improved husbandry processes for aged mice.</b><br/> <i>Aimee Patterson, AstraZeneca</i></p> | <p><b>Public Engagement activity by Comms team</b></p> <p><b>Room:</b> Composer Suite<br/> <b>Chairs:</b> <i>Sophie Kimpton &amp; Jamie Redden</i></p> <p>(registered schools only)</p> |
| 14:30-15:00  | <p><b>COMMUNICATION &amp; OPENNESS</b><br/> <b>Room:</b> Writers Suite<br/> <b>Chair:</b> <i>LASA Comms TBC</i></p> <p><b>How far we have come with Openness.</b><br/> <i>Hannah Hobson, UAR</i></p> <p><b>LASA's role in Public Engagement and Communication.</b><br/> <i>Comms Team</i></p>  |   |
| 15:00-15:30  | Coffee & Tea Break   |   |
| 15:30- 16:15   | <p><b>Welcome:</b> <i>Jill Reckless, LASA President</i></p> <p><b>OPENING KEYNOTE LECTURE</b><br/> <b>Room:</b> Writers Suite<br/> <b>Chair:</b> <i>Clare Stanford</i></p> <p><b>"A day in the life of a mouse: why circadian rhythms, sleep and light matter"</b><br/>           Stuart Peirson, Professor of Circadian Neuroscience, University of Oxford</p>  |   |
| 16:15-16:45  | <p><b>Trade Updates</b><br/> <b>Room:</b> Writers Suite<br/> <b>Chair:</b> <i>Tim McGuire</i></p>  |   |

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| 16:45-18:00 | <p><b>SUPPORTING STAFF DEVELOPMENT AND ENGAGEMENT</b><br/> <b>Room:</b> Writers Suite<br/> <b>Chair:</b> <i>JL Tremoleda</i></p> <p><b>Training - a different perspective.</b><br/> <i>Felicity Hood, Charles River</i></p> <p><b>Setting up for success - optimising outcomes for surgery,</b> <i>Lucy Whitfield, OWL Vets Ltd</i></p> <p><b>Breaking Barriers: actions for supporting research,</b> <i>Eleni Amaniti, SWC</i></p> | <p><b>HUSBANDRY &amp; MANAGEMENT (AQUATICS)</b><br/> <b>Room:</b> Pevsner<br/> <b>Chair:</b> <i>Chloe Stevens</i></p> <p><b>A fish-y tale: Evaluating Welfare in Experimental Fish Models—Challenges and Future Directions,</b> <i>Numair Masud, Cardiff University</i></p> <p><b>Management of a large multi-species fish facility,</b> <i>Mollie Millington, The Francis Crick Institute</i></p> <p><b>Advancing the understanding of anaesthesia in zebrafish,</b> <i>Sylvia Dimitriadou, University of Exeter</i></p> |  |
|             | <p><b>POSTER ELEVATOR PITCHES</b><br/> <b>“Husbandry, technical, welfare and care refinements - little steps can make a big difference in animal and staff wellbeing”</b></p> <p><b>Chair:</b> <i>JL Tremoleda</i><br/> <b>Room:</b> Writers Suite</p>  |   |  |
| 18:00       | LASA Annual General Meeting   |   |  |
| 19:00-22:00 | <i>Trade Reception &amp; Networking</i>   |   |  |

**Tuesday 19<sup>th</sup> November - 2nd DAY 9:00-18:00**

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| 9:00-10:00  | <p><b>LARN &amp; LAVA</b><br/> <b>Room:</b> Writers Suite<br/> <b>Chair:</b> <i>Thomas Tzelos and Alexandros Zervas</i></p> <p><b>The science of animal welfare: Behaviour, environmental enrichment and positive welfare for cattle</b><br/> <i>Marie Haskell, SRUC, Scotland's Rural College</i></p> <p><b>Facility Design- biosafety and welfare strategies</b> <i>Ryan Waters, The Pirbright Institute</i></p> | <p><b>GA Animals</b><br/> <b>Room:</b> Pevsner<br/> <b>Chair:</b> <i>Martha Koerner</i></p> <p><b>“How to make a knock in mouse using CRISPR”</b> <i>Antony Adamson, The University of Manchester</i></p> |  |
| 10:00-10:30 | <i>Trade Exhibition and Coffee</i>   |   |  |
| 10:30-12:00 | <p><b>LARN &amp; LAVA</b><br/> <b>Room:</b> Writers Suite<br/> <b>Chair:</b> <i>Thomas Tzelos and Alexandros Zervas</i></p>  | <p><b>GA Animals</b><br/> <b>Room:</b> Pevsner<br/> <b>Chair:</b> <i>Martha Koerner</i></p> <p><b>CRISPR-Cas9 allows for highly sophisticated</b></p>   | <p><b>PEL holder Training Session</b></p> <p><b>Room:</b> Composer suite</p> |

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|             | <p><b>Investigating occurrences of pig lameness in high containment,</b><br/><i>Ollie Trussler, The Pirbright Institute</i></p> <p><b>Refinement approaches to inhalation studies in large animals</b><br/><i>Manuela Teti, Labcorp</i></p> <p><b>Progress through refinement - innovative approaches to improve farm animal welfare,</b> <i>Thomas Tzelos, Moredun Institute</i></p> <p><b>Q&amp;A LARN future events</b></p>  | <p><b>genetic engineering in zebrafish: Knock-outs, Knock-ins and cell-type-specific humanisation in vivo,</b> <i>Marcus Keatinge, University of Edinburgh</i></p> <p><b>Interrogating your breeding data, know your mouse!</b> <i>Hannah Wardle Jones, Francis Crick Institute</i></p> <p><b>Top tips for navigating shipping your GAA,</b> <i>Michelle Allan, Francis Crick Institute</i></p> | <p><b>Chair: Helmut Ehall</b></p> <p><i>(registered attendees only)</i></p>  |
| 12:00-13:30 | <i>Lunch &amp; Trade Exhibition- Networking &amp; Visual poster snips (&amp; poster assessment)</i>   |   |  |
| 13:30-14:15 | <p><b>INNOVATIONS in ANIMAL SCIENCE &amp; 3Rs</b><br/><b>PLENNARY Talks</b><br/><b>Room: Writers Suite</b><br/><b>Chair: Jill Reckless</b></p> <p><b>Implementing the 3Rs in the development of new medicines.</b><br/><i>Fiona Sewell, Head of Toxicology, NC3Rs</i></p>   |   |  |
| 14:15-15:30 | <p><b>INNOVATION ANIMAL SCIENCE. 3Rs</b><br/><b>Room: Writers Suite</b><br/><b>Chair: Emma Stringer</b></p> <p><b>Developing new in vitro models of bone.</b><br/><i>Liam Grover, University of Birmingham</i></p> <p><b>AI and Animal Welfare: Promises and Pitfalls.</b><br/><i>Lucy Asher, Newcastle University</i></p>  |   | <p><b>PEL holder Training Session</b><br/><b>Room: Composer suite</b><br/><b>Chair: Helmut Ehall</b></p> <p><i>(registered attendees only)</i></p> |
| 15:30-16:00 | <i>Final Trade Exhibition and Tea</i>   |   |  |
| 16:00-18:00 | <p><b>INNOVATION ANIMAL SCIENCE. 3Rs</b><br/><b>Speakers selected from abstract submissions</b><br/><b>Room: Writers Suite</b><br/><b>Chair: Swati Arya &amp; Emma Stringer</b></p> <p><b>Direct replacement of secondary antibodies by Affimers,</b> <i>Christian Tiede</i></p> <p><b>Refining mouse glucose tolerance testing using micropipette-guided oral glucose dosing,</b> <i>Katherine Pye, University of Exeter Medical School</i></p> <p><b>Galleria mellonella burn wound and infection in vivo replacement model,</b> <i>Evgenia Maslova, Brunel University</i></p> <p><b>A 3RS-driven approach for studying poikilothermy-endothermy transition in mice,</b> <i>Barbara Bastos, University of Porto</i></p> |   | <p><b>PEL holder Training Session</b><br/><b>Chair: Helmut Ehall</b></p> <p><i>(registered attendees only)</i></p>                                 |

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|       | <p><b>ARRIVE study plan: including rigour assessment before the conduct of each experiment to maximise output, <i>Natalie Carter, NC3Rs</i></b></p> <p><b>A substantially refined pre-clinical murine model for coagulopathic snakebite envenoming, <i>Stuart Ainsworth, The University of Liverpool</i></b></p> <p><b>Playing with laboratory rats for better science, <i>Vincent Bombail, Scotland's Rural College</i></b></p> <p><b>Refining low-grade serous ovarian cancer (LGSOC) mouse model development, <i>Narthana Ilenkovan, University of Glasgow</i></b></p> |  |
| 19:30 | <b>Evening Social Dinner</b>  |  |

**Wednesday 20<sup>th</sup> November - 3<sup>rd</sup> DAY 9:00-14:00**

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| 9:00-10:30  | <p><b>ETEs: "Sentience. Some have it. Some don't."</b><br/> <b>Room:</b> Writers Suite<br/> <b>Chairs:</b> <i>Angela Kerton and Manuel Berdoy</i></p> <p><b>"Who is sentient? Some tips on how to decide"</b> <i>Marian Stamp Dawkins, University of Oxford</i></p> <p><b>"Animal sentience: Evidence &amp; ethics"</b><br/> <i>Andrew Crump, Royal Veterinary College</i></p> <p><b>"Encouraging decapods to answer questions about pain"</b><br/> <i>Bob Elwood, Queen's University Belfast</i></p> | <p><b>PELh SECTION: Evolution of Science Project Management and International Collaborations</b><br/> <b>Room:</b> Pevsner<br/> <b>Chair:</b> <i>Helmut Ehall</i></p> <p><b>The changing shape of animal science, enabling innovation and collaboration,</b> <i>Sara Wells, MRC Harwell</i></p> <p><b>Challenges of commissioning collaborative work abroad,</b> <i>Ryan Waters, The Pirbright Institute</i></p> <p><b>Developing guidelines on the ethical procurement of animal materials,</b> <i>Carol Smeed and Sarah Collison, Wellcome Sanger Institute</i></p> <p><b>Animals, CROs, and Drug development: A snapshot of historic, current, and future trends,</b> <i>Brian Burlinson, Cuckoo Consultants</i></p> |
| 10:30-11:00 | <i>Coffee &amp; Tea</i>   |   |
| 11:00-11:45 | <p><b>ASRU / ASPU -with Q&amp;A</b><br/> <b>Room:</b> Writers Suite<br/> <b>Chair:</b> <i>Helmut Ehall</i></p> <p><i>Will Reynolds, Head of Animals in Science Regulation Policy Unit</i><br/> <i>Kate Chandler, Head of ASRU</i></p>   |   |
| 12:00-13:00 | <p><b>CLOSING KEYNOTE LECTURE</b><br/> <b>Room:</b> Writers Suite<br/> <b>Chair:</b> <i>Sara Wells</i></p> <p><b>Impact of animal studies in discovery and translational cancer research</b><br/> <b>Karen Blyth, Professor In Vivo Cancer Biology, CRUK, Scotland Institute</b></p>  |   |
| 13:00-13:30 | <p>Summary and Closure - <b><i>Jill Reckless, LASA President</i></b><br/> <b>Room:</b> Writers Suite</p>  |   |