

Annual Conference 2019

26th - 28th November
Birmingham

PROGRAMME

Tuesday 26 th November			
10:00	Home Office Updates <i>Arden</i> <i>Chair: Anne-Marie Farmer, University of Cambridge</i> ASRU Leadership Team <i>Will Reynolds, Head of ASRU</i>	10:00	Animal Science - Transgenic Group Advances in the Age of CRISPR Transgenics <i>York</i> <i>Chair: Sarah Hart-Johnson, Francis Crick Institute, London</i>
		10:00	Opening of the Session <i>Sarah Hart-Johnson, Francis Crick Institute, London</i>
		10:10	Introductory lecture on History of Transgenic Production <i>Douglas Strathdee, Beatson Institute, Glasgow</i>
11:00	Coffee <i>Arden & York lecture rooms</i>		
11:30	Home Office Updates <i>Chair: Anne-Marie Farmer, University of Cambridge</i> Updates from the ASRU Team <ul style="list-style-type: none"> • ASPeL • Policy Updates • PPL assessments • Themed Inspections • Compliance <i>Kate Chandler, Kate Garrod, Peter Gray, Giles Paiba & Kathy Ryder, Home Office</i>	11:20	Animal Science - Transgenic Group Advances in the Age of CRISPR Transgenics <i>Chair: Natalia Moncaut, Cancer Research UK, Manchester Institute</i>
		11:20	Advances in CRISPR design <i>Katharina Boroviak, Wellcome Sanger Institute, Hinxton</i>
		11:40	3-4 invited case studies (TBC)
12:30	Trade Exhibition Opening and Lunch <i>Palace - Exhibition Hall</i>		

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PROGRAMME

13:30	<p>“Animals and us” <i>Arden</i></p> <p><i>Chair: Sue Sparrow, GSK</i></p>	13:30	<p>Animal Science - Transgenic Group Advances in the Age of CRISPR Transgenics <i>York</i></p> <p><i>Chair: Stuart Newman, PetMedix Ltd, Cambridgeshire</i></p>
13:30	<p>Evaluating sentience, stress and welfare <i>Donald M. Broom, University of Cambridge</i></p>	13:30	<p>Innovations in Crispr delivery <i>Ben Davies, Wellcome Centre for Human Genetics, Oxford</i></p>
14:15	<p>Can two become one? The historical development of animal welfare and animal research, from the 1940s to the present <i>Robert Kirk, University of Manchester</i></p>	13:50	<p>3-4 invited case studies (TBC)</p>
14:45	<p>The Animal Welfare Research Network (AWRN), membership, research findings and future vision <i>Poppy Statham, Animal Welfare Research Network</i></p>	14:50	<p>Coffee break: 14:50-15:10 (served in York Lecture Room)</p>
15:15	<p>Q&A Close for Tea</p>	15:10	<p>Animal Science - Transgenic Group. Advances in the Age of CRISPR Transgenics (continued) <i>Chair: Janet Kenyon, MRC Harwell, Harwell</i></p>
15:30	<p>Trade Exhibition and Tea <i>Palace - Exhibition Hall</i></p>	15:10	<p>Quirks of genotyping: allele verification & founder characterisation <i>Gemma Codner, MRC Harwell, Harwell</i></p>
16:00 - 16:30	<p>Home Office Updates <i>Arden</i></p> <p><i>Chair: Anne-Marie Farmer, University of Cambridge</i></p> <p>Ask the Home Office Inspector - Q&A Session <i>ASRU</i></p>	15:30	<p>3-4 invited case studies (TBC)</p>
		16:00	<p>Ethics & breeding <i>Hannah Wardle-Jones, University of Cambridge</i></p> <p><i>Chair: Sarah Hart-Johnson, Francis Crick Institute, London</i></p>
		16:20	<p>Summary and closure <i>Sarah Hart-Johnson, Francis Crick Institute, London</i></p>
		16:30	<p>Close of session</p>

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PROGRAMME

16:45 - 17:45	Keynote Speaker <i>Arden</i> 'Humanising' mouse models to understand neurodegeneration <i>Professor Elizabeth Fisher, Department of Neuromuscular Diseases, UCL</i>
18:00	LASA's 57th Annual General Meeting <i>York</i>
19:30	Trade Reception <i>Palace - Exhibition Hall</i>

PROGRAMME

Wednesday 27 th November			
	<p>“Snippets of Science” <i>Arden</i></p> <p><i>Chair: Bella Williams, UAR</i></p>		<p>3Rs <i>Sponsored by AS-ET, York</i></p> <p><i>Chair: Robert Hubrecht, UFAW</i></p>
09:00	<p>Harnessing Stem Cells <i>Eric Hill, Aston University, Birmingham</i></p>	09:00	<p>Moving away from animal testing for acute inhalation toxicity testing <i>Emilie Da Silva, University of Denmark</i></p>
09:45	<p>Imaging the liver using multiphoton microscopy; making the most of donated tissue <i>Scott Davies, Centre for liver and gastrointestinal research, University of Birmingham</i></p>	09:45	<p>Non- invasive longitudinal evaluation of muscle mass changes in mice using a deep learning network for automated CT-derived skeletal muscle assessment <i>Ramon Langen, Maastricht University</i></p>
10:30	<p>Trade Exhibition and Coffee <i>Palace - Exhibition Hall</i></p>		
	<p>“Snippets of Science” continued...</p> <p><i>Chair: TBC</i></p>		<p>3Rs <i>Sponsored by AS-ET, continued...</i></p> <p><i>Chair: Joanna Moore, GSK</i></p>
11:00	<p>Zebrafish models of childhood leukodystrophy <i>Noémie Hamilton, The Bateson Centre, University of Sheffield</i></p>	11:00	<p>Animal welfare impact and feasibility of three commercially available nesting materials for laboratory mice <i>Charlotte Burn, Royal Veterinary College</i></p>
11:30	<p>Large animal models for brain disease <i>Atticus Hainsworth, St George's University of London</i></p>	11:45	<p>Does providing hiding spaces for zebrafish in large groups improve fish welfare or water quality? <i>Aleksandra Czeszyk, Royal Veterinary College</i></p>
12:00	<p>Refining and replacing surgical techniques in oncology mouse models <i>Lisa Doar, Cancer Research UK, Manchester Institute</i></p>	12:15 - 12:45	<p>Advances and refinements in surgical and perioperative care of animals undergoing telemetry implantations <i>Anthony Webb, Chiron Bioscience, Canterbury, Kent</i></p>

PROGRAMME

12:30	Trade Exhibition and Lunch Poster judging, sponsored by Envigo. <i>Palace - Exhibition Hall</i>	
	<p>Education, Training and Ethics (ETES): From Experimental Design to Behavioural Change: how can we stop ruining a perfectly good idea? <i>Arden</i></p> <p><i>Organised by the Education, Training and Ethics section co-convenors: Manuel Berdoy (University of Oxford) and Elliot Lilley (RSPCA)</i></p> <p>13:30 Introduction <i>Manuel Berdoy, University of Oxford/ ETES</i></p> <p>13:40 Setting the scene (Title TBC) <i>Manuel Berdoy, University of Oxford /ETES</i></p> <p>13:55 Q&A - ask the audience</p> <p>14:15 Title TBC <i>Clare Stanford, University College London/ETES</i></p> <p>14:45 ED and human behavioural change - 'A change management reflection on improving experimental design' <i>Natasha Karp, AstraZeneca</i></p>	<p>3Rs <i>Sponsored by AS-ET, York</i></p> <p><i>Chair: Robert Hubrecht, UFAW</i></p> <p>13:30 Developing a liver in vitro system that recapitulate homeostatic WNT driven zonation <i>Eider Valle-Encinas, Cardiff University</i></p> <p>14:00 Acoustic vocalisation early response technologies (AVERT) <i>Liane Hobson, Medical Research Council Harwell Institute</i></p> <p>14:30 Inhalation anaesthesia and stereotactic injection of neonatal mice for investigation of brain function <i>Jake Watson, Neurobiology Department, MRC Laboratory of Molecular Biology, Cambridge</i></p> <p>15:00 3Rs refinement in non-human primates neuroscience research: A protective cap that supports wound healing after head implant surgery <i>Stuart Mason, Department of Experimental Psychology, Oxford University</i></p>
15:30	Trade Exhibition and Coffee <i>Palace - Exhibition Hall</i>	

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PROGRAMME

	<p>Education, Training and Ethics (ETES): From Experimental Design to Behavioural Change: how can we stop ruining a perfectly good idea? <i>Arden</i></p>		<p>IAT Workshop - Preparation and organisation: a holistic approach to training <i>York</i></p> <p><i>Adrian Woodhouse, Red Kite Veterinary Consultants Ltd</i></p>
16:00	<p>Title <i>TBC</i> <i>Lou Atkins, University College London</i></p>	16:00	<p>Introduction Knowing your audience Planning and delivery Assessment Conclusions and comments</p>
16:45	<p>Wrap-up <i>Elliot Lilley, RSPCA/ETES</i></p>	17:00	<p>Close of workshop</p>
17:00	<p>Close of workshop</p>		
20:00	<p>Gala Dinner and Awards <i>Westminster Suite</i></p>		

PROGRAMME

Thursday 28 th November			
	<p>Care and Welfare & RSPCA: Does Care and Welfare matter? <i>Arden</i></p> <p><i>Chair: TBC</i></p>		<p>All creatures large and not so large! <i>York</i></p> <p><i>Chair: Angela Kerton, The Learning Curve (Development) Ltd</i></p>
09:30	<p>New developments on for investigating biofilm forming bacteria in guinea pigs and mice models <i>Julie Gould, Evotec</i></p>	09:30	<p>Large animals on the bench, to transplant recipients at the bedside <i>Aravinda Page, University of Cambridge</i></p>
09:55	<p>Refinement for studying communication in a songbird model using operant conditioning <i>Elisabeth Zanberg, QMUL</i></p>	10:00	<p>Veterinary anaesthesia and the challenges in translational research <i>Henri Bertrand, University of Cambridge</i></p>
10:20	<p>Zebrafish breeding systems functional but are they ethical? <i>Carole Wilson, UCL</i></p>	10:30	<p>Equine herd management and welfare while under ASPA <i>Heather Ewence, Equine Resources Manager, The Animal Health Trust</i></p>
10:45	<p>Practical Strategies to ensure provision of food and water in mice and rats <i>Sian Murphy, Sainsbury Wellcome Centre</i></p>		
11:00	<p>Trade Exhibition and Coffee <i>Palace - Exhibition Hall</i></p>		
	<p>Care and Welfare & RSPCA: continued ...Does Care and Welfare matter? <i>Arden</i></p> <p><i>Chair: Alison Ritchie, University of Nottingham</i></p>		<p>All creatures large and not so large! <i>York</i></p> <p><i>Chair: Angela Kerton, The Learning Curve (Development) Ltd</i></p>
11:30	<p>Update on the “AnimalNexus Rat Cage Height project” <i>Hibba Mazhary, University of Oxford</i></p>	11:30	<p>How can we improve the application of the 3Rs to research involving non-model amphibians? <i>Lola Brookes, Institute of Zoology, Zoological Society of London</i></p>
11:50	<p>Determining if in-cage enrichment is beneficial to laboratory rodents</p>		

PROGRAMME

	<i>Claire Gibson, University of Nottingham</i>		
12:15	<p>Keynote speaker <i>Arden</i></p> <p>Agricultural sustainability metrics based on land required for production of essential human nutrients <i>Professor Michael Lee, School of Veterinary Sciences, University of Bristol</i></p>		
13:00	<p>Trade Exhibition and Lunch <i>Palace - Exhibition Hall</i></p>		
	<p>Care and Welfare & RSPCA: continued Does Care and Welfare matter? <i>Arden</i></p> <p><i>Chair: Jordi L.Tremoleda, QMUL</i></p>		<p>Laboratory Animal Veterinary Association session - Assessing the welfare of research animals <i>York</i></p> <p><i>Chair: TBC</i></p>
14:00	<p>Nudge, nudge, wink, wink: say no more... about getting people to consider refinements <i>Ian Devonshire, University of Nottingham</i></p>	14:00	<p>Title TBC <i>Alistair Lawrence, Scotland's Rural College (SRUC), Edinburgh</i></p>
14:30	<p>Round table discussion: "Does Care and Welfare matter? Challenges for innovation and implementation"</p> <p>Panel Members include:</p> <ul style="list-style-type: none"> • RSPCA perspective (<i>Elliot Lilley, RSPCA</i>) • NVS perspective (<i>Jordi L.Tremoleda, QMUL</i>) • Academic perspective (<i>Claire Gibson, University of Nottingham</i>) • NTCO (<i>Ian Devonshire, University of Nottingham</i>) • Funder/ Trade Partner (<i>TBC</i>) <p>Interactive floor discussion, stimulating debate and incorporating time to "post your own challenges"</p>	14:30	<p>Potential use of infrared thermography in laboratory farm animals <i>Timm Konold, Animal and Plant Health Agency (APHA), Weybridge</i></p>
		15:00	<p>Qualitative Behaviour Assessment as a welfare indicator in pigs <i>Françoise Wemelsfelder, Scotland's Rural College (SRUC), Edinburgh</i></p>
		15:40	<p>Closing remarks TBC</p>



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16:00	Meeting closes		