

Communication in Animal Research

June 13–16, 2022 France, Marseille Chanot

Final Programme





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Committees

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Heinz Brandstetter
Marie-Laure Cortes-Dubly
Thierry Decelle
Jean-Philippe Mocho
Belén Pintado
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Legend to the Programme

Each session and presentation have a code to indicate which stream the session belongs to and on which day it is taking place.

Session Codes

1st Letter

Codes start with either the letter K, S, W or P:

- K stands for Keynote
- S stands for session
- W stands for Workshop and
- P stands for poster session

1st Digit

The digit stands for the day:

- 1. Sunday
- 2.. Monday
- 3. Tuesday
- 4. Wednesday
- 5. Thursday

2nd Letter and Colors

The second letter corresponds to the stream initial A, B, C, D, E, F or G

- A Communication with and between Animals
- B Communication and Culture of Care
- C Education and Training: Communication towards the Future
- D Communicating between Peers, Authorities, and the Public
- E The Parallel Route
- F My 3Rs in 180 seconds
- G Tech Day
- K Keynote Lecture

Commercial Workshop

2nd Digit

The second digit identifies the session.

Presentation Codes

The presentation consists of the session code followed by a dot and a digit. This digit defines the chronological order of presentations within each session.

Sunday, 12 June, 2022





Monday, June 13, 2022



Tuesday, June 14, 2022



Wednesday, 15 June, 2022



Thursday, June 16, 2022





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Sunday, June 12, 2022

Samena

11:15 – 12:45 W1A1 Severity Classification and Reporting under Directive 2010/63/EU – A Train the Trainer Workshop

Chair: Dolores Bonaparte (Portugal)

Speakers

David Anderson (United Kingdom)
Dolores Bonaparte (Portugal)

Ana Criado (Italy) Livia D'Angelo (Italy)

Anne-Dominique Degryse (France) Delphine Denais-Lalieve (France)

Samena

14:15 – 15:45 W1A2 Classification and Reporting of Severity of Procedures: Introductory Session Using ,Basic' Models

Chair: Ana Criado (Italy)

Speakers

David Anderson (United Kingdom)

Dolores Bonaparte (Portugal)

Ana Criado (Italy) Livia D'Angelo (Italy)

Anne-Dominique Degryse (France)
Delphine Denais-Lalieve (France)

Samena

16:30 – 18:00 W1A2 Classification and Reporting of Severity of Procedures: Introductory Session Using ,Basic' Models

Chair: Anne-Dominique Degryse (France)

Speakers

David Anderson (United Kingdom)
Dolores Bonaparte (Portugal)

Ana Criado (Italy)

Livia D'Angelo (Italy)

Anne-Dominique Degryse (France)
Delphine Denais-Lalieve (France)



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Monday, June 13, 2022

Plenary Hall (Amphi)

10:00 – 11:30	S2D1	How to Improve Institutional Communication on Animal Research
		Chair: Kirk Leech (United Kingdom) Co-Chair: Thierry Decelle (France)
	S2D1.1	How to Improve Institutional Communications on Animal Research Kirk Leech (United Kingdom)

Les Goudes 1

10:00 – 11:30	S2A1	Specifics of Facilities Matter
		Chair: Boris Jerchow (Switzerland)
		Co-Chair: Jussi Helppi (Germany)
10:00 – 10:05		Introduction
		Boris Jerchow (Switzerland)
10:05 – 10:22	S2A1.1	Full Cost Accounting Not Only Improves Costs, but also Animal
		Welfare and Job Satisfaction
		Jussi Helppi (Germany)
10:22 – 10:39	S2A1.2	Not All Individually Ventilated Caging Systems are Created
		Equal
		Scott Perkins (United States)
10:38 - 10:54	S2A1.3	Communication Pipeline for In Vivo Imaging Services
		Vasileios Ntafis (Greece)
10:54 - 11:09	S2A1.4	Considerations When Designing and Operating a New SPF
		(Poultry) Facility
		Ryan Waters (United Kingdom)
11:09 - 11:26	S2A1.5	Animal Facility 2.0 - Integrating New Technologies in In Vivo
		Research
		Laura Schroeder (Switzerland)

Les Goudes 2

10:00 – 11:30	S2D2	3Rs - Travelling the Globe and Pandemic Impacts
		Chair: Jan-Bas Prins (United Kingdom) Co-Chair: Adrian Smith (Norway)
10:00 – 10:15	S2D2.1	Norecopa: Working for Global Communication between All Stakeholders Adrian Smith (Norway)
10:15 – 10:30	S2D2.2	Collaborating to Advance the 3Rs in North America & Beyond Sally Thompson-Iritani (United States)
10:30 – 10:45	S2D2.3	Advancing 3Rs: The National Research Programme 79 of the Swiss National Science Foundation Herwig Grimm (Austria)
10:45 – 11:00	S2D2.4	3R Reporting in Preclinical Animal Studies in 2009 and 2018 – a Nationwide Study Kirstine Praestegaard (Denmark)
11:00 – 11:15	S2D2.5	COVID-19: Laboratory Animal Use and Non-Animal Methods in the Dynamics of a Pandemic Leane Van Wereeld (Netherlands)
11:15 – 11:30	S2D2.6	Speed Up and Values Up? Changes in Animal Studies Use during COVID-19 Vaccine Approval Merel Ritskes-Hoitinga (Netherlands)

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10:00 – 11:30	S2A2	Animal Handling
		Chair: Ken Applebee (United Kingdom) Co-Chair: Carola Fischer-Tenhagen (Germany)
10:00 – 10:20	S2A2.1	Tunnel- Versus Tail-Handling in a Mouse Breeding Facility: Time costs and Behaviors in Different Strains Kristina Ullmann (Germany)
10:20 – 10:40	S2A2.2	Rabbit Human Habituation Program during Breeding Reduced Significantly Stress Related Signs during Acclimatization Period Kévin P. Dhondt (France)
10:40 – 10:55	S2A2.3	Positive Reinforcement Training as a Refinement Tool in Feline Experimental Studies Andrea Monika Spiri (Switzerland)
10:55 – 11:10	S2A2.4	Improving Human-Animal Interactions for Research Pigs: Habituation to Sling Restraint for Blood Collection Carly O'Malley (United States)
11:10 – 11:25	S2A2.5	Train the Trainer: What Is Needed to Train Goats for Experiments? Carola Fischer-Tenhagen (Germany)

Morgiou

10:00 – 11:30	S2C1	Evolving Education to Meet Current and Future Needs
		Chair: Linda Horan (United Kingdom) Discussion facilitator: Steven Cubitt (United Kingdom)
10:00 – 10:05		Introduction to Sessions. Providing Education for Those that Care Linda Horan (United Kingdom)
10:05 – 10:25	S2C1.1	Session 1. Animal Technician Education Steven Cubitt (United Kingdom)
10:25 – 11:30	S2C1.2	Session 2. Evolving Animal Technician Education Tina O'Mahony (United Kingdom) Theresa Langford (United Kingdom)
Sormiou		

10:00 – 11:30	W2B1	How to Facilitate a Good Culture of Care in Laboratory
10.00		Animal Establishments
		Chair: Thomas Bertelsen (Denmark)
10:00 – 10:20	W2B1.1	Understanding and Valuing the Roles of Different People within an Establishment: Workshop I, Part1
		Thomas Bertelsen (Denmark)
10:20 - 10:40	W2B1.2	Communicating Effectively with Others in Different Roles
		Penny Hawkins (United Kingdom)
10:40 – 11:00	W2B1.3	Considering Emotional Loading in People with Different Roles Jenny Parks (United Kingdom)
11:00 – 11:20	W2B1.4	Raising Concerns - Culture of Care Workshop
		Kathy Ryder (United Kingdom)
11:20 – 11:30		Panel Discussion: Practical Suggestions for Activities and Processes to Enable Better Communication within an
		Establishment

Riou

Riou		
10:00 – 11:30	W2A3	A Taster of Complex Farm Animal Models in the Classification and Reporting of Severity Procedures
		Chairs: Anne-Dominique Degryse (France) and David Anderson (United Kingdom)
10:00 – 11:30		Speakers David Anderson (United Kingdom) Dolores Bonaparte (Portugal) Ana Criado (Italy) Livia D'Angelo (Italy) Anne-Dominique Degryse (France) Delphine Denais-Lalieve (France)

Samena

10:00 – 11:30 W2D3	Media Training – Practical Tips to Help Share Your Research with the Public
	Chair: Becky Jones (United Kingdom)
10:00 – 10:15 W2D3.1	Communicating Your Animal Research with the Media - the Importance of Transparency Becky Jones (United Kingdom)
10:15 – 10:30 W2D3.2	How Should We Discuss the Use of Animals in Basic Research? Andreas Lengeling (Germany)
10:30 – 10:45 W2D3.3	Engaging with Patient Groups Anastasia Tsingotjidou (Greece)
10:45 – 11:30	Interactive Group Work

Plenary Hall (Amphi)

11:30 – 11:45	Opening Ceremony
	Samuel Vidal. Congress Chair
	Belen Pintado. FELASA President
	Sebastien Paturance. AFSTAL President
	Jan-Bas Prins. Scientific Committee Chair

Plenary Hall (Amphi)

11:45 – 12:45	K21	KEYNOTE LECTURE How Effective Communication Can Drive Improvements in Aquatic Animal Welfare
		Chair: Samuel Vidal (France)
		Lynne Sneddon (Sweden)

Exhibition Area

12:45 – 14:15 Lunch break Commercial workshops	
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Morgiou

13:00 – 14:00	A Sneak Peek into the Interplay be	etween Housing
	Environment and Microbiota, and	Application of Germfree
	Mice in Preclinical Research and S	Services
	Zhiying Li (United States)	GemPharmatech



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Sormiou

13:00 – 14:00	Assessment and Surveillance of Adver Genetically Engineered Models	rse Phenotypes in
	Chair: Maroun Karam (France)	TACONIC Nodels For Life.
	Charlotte Thygesen (Denmark)	

Marseilleveyre

13:00 – 14:00	Multi-Centre Study of Home-Cage Physica C57BL/6 Mice and their Responses to Micr Conditions during Consecutive Cycles of Bi Change Outs	oenvironmental
	Chair: John Hasenau (Reno, United States)	?TECNIPLAST
	Speakers Jan-Bas Prins (United Kingdom) Herve Lerat (France)	

Plenary Hall (Amphi)

14:15 – 15:45	S2D4	Strategic Communication Is a Key to Change
		Chair: Lisa Andersson (Sweden) Co-Chair: Rafael Frías (Sweden)
		Case Discussion Lisa Andersson (Sweden)
		Leif Carlsson (Sweden)
		Karin Gabrielson Morton (Sweden)
		Elin Törnqvist (Sweden)

Les Goudes 1

14:15 – 15:45	S2E1	3Rs - Reduction at Work
		Chair: Bogdan Sevastre (Romania) Co-Chair: Thierry Decelle (France)
14:15 – 14:37	S2E1.1	Anishare: An Open–Source Software to Improve the Use of Surplus Laboratory Animals and Organs Antonina Klippert (Germany)
14:37 – 14:59	S2E1.2	Tele-Embryo: A Service to Promote Reduction and Refinement in Rederivations Belen Pintado (Spain)

14:59 – 15:21	S2E1.3	Objective of 50% Reduction in 10 Years in a Pharmaceutical Company
		Thierry Decelle (France)
15:21 – 15:43	S2E1.4	Reduction of the Use of Animals for Vaccine Evaluation:
		Achievements and Perspectives
		Raffaella Cecchi (Italy)

Les Goudes 2

14:15 – 15:45	S2A4	Enhancing Vivaria Sustainability
		Chair: Patrick Sharp (United States) Co-Chair: Jan Honetschläger (Czech Republic)
	S2A4.1	Planning and Designing the Green Vivarium: Towards More Sustainable Biomedical Research Patrick Sharp (United States)

Callelongue

14:15 – 15:45	S2D5	Discovering Communication Secrets
		Chair: Nikos Kostomitsopoulos (Greece)
		Co-Chair: Merel Ritskes-Hoitinga (Netherlands)
14:15 – 14:37	S2D5.1	Taking on the Challenge of Openness at a Large US Public
		University
		Sally Thompson-Iritani (United States)
14:37 – 14:59	S2D5.2	Transparency: Adapted Broadened Communication Leads to
		Better Acceptance
		Thomas Hubert (France)
14:59 – 15:21	S2D5.3	Lost in Translation? Facilitating Communication between
		Animal and Medical Research Ethics Committees
		Merel Ritskes-Hoitinga (Netherlands)
15:21 – 15:43	S2D5.4	Juggling Legal Roles: Animal Welfare Oversight and AWB
		Tasks
		Peternella S. Verhave (Netherlands)

Morgiou

14:15 – 15:45	W2D6	Biomedical Research – Breaking the Deadlock by Drawing Innovation from Multidisciplinary Approaches. Part 1
		Chair: Sofia Batista Leite (Italy) Co-Chair: Annamaria Carusi (United Kingdom)
14:15 – 14:30	W2D6.1	The Relevance of Animal Models and Alternatives for Human Risk Assessment for Pharmaceuticals Robert Mader (Switzerland)
14:30 – 14:45	W2D6.2	Advanced Models to Capture Complex Human Physiology Laura Gribaldo (Italy)
14:45 – 15:00	W2D6.3	Computational Modelling as a Practical Example of Bridging between Disciplines Elisa Passini (United Kingdom)
15:00 – 15:15	W2D6.4	Crack it Challenges - Funding Collaborations to Bring Three Rs Benefits Vicky Robinson (United Kingdom)
15:15 – 15:30	W2D6.5	Setting the Scene and Explanation of the Activity to Follow in Workshop 2 Annamaria Carusi (United Kingdom)

Sormiou

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14:15 – 15:45	S2A5	Improving Animal Models for More Relevance
		Chair: Yann Herault (France)
		Co-Chair: Marieke A. Stammes (Netherlands)
14:15 – 14:17		Introduction
		Yann Herault (France)
14:17 – 14:37	S2A5.1	The Sheep as an Experimental Model for Peripheral Nerve
		Injury and Regeneration Studies
		Estefanía Contreras (Spain)
14:37 – 14:57	S2A5.2	Medical Imaging as a Means of Understanding Severe Acute
		Respiratory Syndrome Coronavirus 2 Infection
		Marieke A. Stammes (Netherlands)
14:57 – 15:17	S2A5.3	Pre-Immunization with Inactivated Pathogens Recapitulates
		Adult Human Immune Traits in Laboratory Mice
		Caroline Falkenberg (Denmark)
15:17 – 15:37	S2A5.4	Is Sweet Consumption under Thirst and Hunger Really a Good
		Indicator of Depression?
		Jenny Berrío (Denmark)
15:37 – 15:45		Closing Remarks

Riou

14:15 – 15:45	W2C2	Skills for Communication and Learning in the Workplace – Developing Your Practical Skills and More
		Chair: Lucy Whitfield (United Kingdom)
		Speakers Andreia Costa (Portugal) Asa Holmberg (Sweden) Angela Kerton (United Kingdom) Ruth Serlin (United Kingdom) Lucy Whitfield (United Kingdom)

Samena

14:15 – 15:45	W2C3	Communicating Good Experimental Design. Part 1
		Chair: Derek Fry (United Kingdom)
		Speakers Derek Fry (United Kingdom) Manuel Berdoy (United Kingdom)

ePoster Area

15:45 – 16:30	P2E	ePoster Sessions: P2E1, P2E2, P2E3, P2E4, P2E5	
		(see page 65-70)	

Exhibition Area

15:45 – 16:30 Coffee break	
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Plenary Hall (Amphi)

16:30 – 18:00	S2D7	Improving Communication at the Establishment Level in Favour of Animal Welfare
		Chair: Viola Galligioni (Ireland) Co-Chair: Sabrina Ravel (France)
16:30 – 16:35		Introduction Viola Galligioni (Ireland) Sabrina Ravel (France)

16:35 – 16:55	S2D7.1	Communication between Establishments and Competent Authorities in Favour of Animal Welfare Katerina Marinou (Greece)
16:55 – 17:15	S2D7.2	Expectations for Internal Communications in Animal Care and Welfare Programs
		Helena Paradell (Spain)
17:15 – 17:35	S2D7.3	The Role of Designated Veterinarians as Advocates for Animal Welfare
		Argyro Zacharioudaki (Greece)
17:35 – 17:55	S2D7.4	Growing New Neurons: Opportunities to Thrive in Lab Animal Medicine
		Janet Rodgers (United Kingdom)
17:55 – 18:00		Conclusions

Les Goudes 1

16:30 – 18:00	S2B2	"Green Champion" Initiative – Communicating on the Environmental Impact of LAS
		Chair: Jean-Philippe Mocho (United Kingdom) Co-Chair: Patrick Hardy (France)
16:30 – 17:00	S2B2.1	The Green Champion Initiative and Leaf Joshua Kerr (United Kingdom)
17:00 – 17:30	S2B2.2	The Environmental Impact of LAS: 3R – Reduce, Reuse, Recycle – What Do You Do? Jean-Philippe Mocho (United Kingdom)
17:30 – 18:00	S2B2.3	Environmental Impact of Biosecurity: Autoclave Vs. Greener Options for Disinfection Patrick Hardy (France) Jean-Philippe Mocho (United Kingdom)

Les Goudes 2

16:30 – 18:00	S2B3	3Rs - Refinement at Work
		Chair: Kévin P. Dhondt (France) Co-Chair: Thorsten Buch (Switzerland)
16:30 – 16:50	S2B3.1	Refinement of the Rat Contusion Model of Thoracic Spinal Cord Injury
16:50 – 17:10	S2B3.2	Harikrishnan Vijayakumar Sreelatha (Denmark) Improving Non-Terminal Blood Specimen Quality in Mice Catherine Layssol-Lamour (France)

17:10 – 17:30	S2B3.3	Refinement of Tamoxifen Administration in Mice Via Encouraged Voluntary Consumption of Palatable Formulations.
17:30 – 18:00		Thorsten Buch (Switzerland) Discussion: Measuring 3R Efficiency - Are You Really Impactful?

Callelongue

3		
16:30 – 18:00	S2D8	Harmonizing Policies and Key Role Players
		Chair: Nikos Kostomitsopoulos (Greece) Co-Chair: Nicolas Dudoignon (France)
16:30 – 16:50	S2D8.1	Role of the Designated Veterinarian - FELASA-ECLAM-ESLAV Working Group Ngaire Dennison (United Kingdom)
16:50 – 17:10	S2D8.2	Laboratory Animals Welfare during Transportation: Key Online Resources for End Users and Transport Stakeholders Nicolas Dudoignon (France)
17:10 – 17:30	S2D8.3	Leading Effective Change in Your Organisation Caroline Back (Sweden)
17:30 – 17:50	S2D8.4	Leveraging Technology: An Approach for Performing Animal Welfare Due Diligence for Externalized <i>In Vivo</i> Work Benn Reeve (United Kingdom)

Morgiou

16:30 – 18:00	W2D6	Biomedical Research – Breaking the Deadlock by Drawing Innovation from Multidisciplinary Approaches. Part 2
		Chair: Sofia Batista Leite (Italy) Co-Chair: Annamaria Carusi (United Kingdom)
		Discussion Annamaria Carusi (United Kingdom)

Laura Gribaldo (Italy) Robert Mader (Switzerland) Elisa Passini (United Kingdom) Vicky Robinson (United Kingdom)

Sormiou

16	5:30 – 18:00	W2C4	Widening Participation: Education As a Dialogue Between Student and Tutor in a Virtual World
			Chair: Lucy Whitfield (United Kingdom)
16	5:30 – 16:40		Introduction and Key Concepts Dave Lewis (United Kingdom)
16	5:40 – 17:30		Learning Activities: Education and Communication in a Virtual Environment lan Garrod (United Kingdom) Active Learning - Benefits and Practicalities Dave Lewis (United Kingdom) Learning through Assessment Lucy Whitfield (United Kingdom) Engaging Your Audience through Polling Angela Kerton (United Kingdom)
17	:30 – 17:50		Plenary Session Ismene Dontas (Greece)

Riou

16:30 – 18:00	W2D9	Filming (and Taking Pictures) with Your Smartphone
		Chair: Bella Williams (United Kingdom)
		Speakers Hannah Hobson (United Kingdom) Richard Scrase (United Kingdom)

Samena

16:30 – 18:00	W2C3	Communicating Good Experimental Design. Part 2
		Chair: Derek Fry (United Kingdom)
		Speakers Derek Fry (United Kingdom) Thomas Steckler (Belgium)
Exhibition Are	a	
18:00 - 20:00		Welcome Reception



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Tuesday, June 14, 2022

Plenary Hall (Amphi)

08:00 – 09:30 S3D1	Project Evaluation: How to Assess the Performance of Ethical Review Bodies across Europe?
	Chair: Pierre Mormède (France) Co-Chair: Birgit Ledermann (Switzerland)
08:00 – 08:10	Introduction Nicolas Guy (France)
08:10 – 08:30 S3D1.1	Evaluation of Performance of Different Ethical Review and Oversight Processes Javier Guillén (Spain)
08:30 – 08:50 S3D1.2	Evaluation Tool to Assess the Strengths and Weaknesses of an Ethical Review System Guy De Vroey (Belgium)
08:50 – 09:10 S3D1.3	Resources and Competencies of Ethical Review Bodies Penny Hawkins (United Kingdom)
09:10 - 09:30 S3D1.4	Independence, Impartiality and Transparency of Ethical Review Bodies: State of Play in France Pierre Mormède (France)

Les Goudes 1

Les Goudes I	
08:00 – 09:30 S3D2	Animal-Free Innovations, towards 2025
	Chair: Peternella S. Verhave (Netherlands) Co-Chair: Jan-Bas Prins (United Kingdom)
08:00 – 08:05	Introduction Peternella S. Verhave (Netherlands)
08:05 – 08:20 S3D2.1	Predicting Animal to Human Translation: A Pilot Study Using Qualitative Comparative Analysis Cathalijn Leenaars (Germany)
08:20 – 08:35 S3D2.2	Barriers and Opportunities for Using Human Material in Research Bea Zoer (Netherlands)
08:35 – 08:50 S3D2.3	Utrecht Round Tables on the Transition Towards Non-Animal Methods Monique Janssens (Netherlands)
08:50 - 08:55	Intermediate Wrap Up

08:55 – 09:10 S3D2.4	Beyond Animal Testing Index: Benchmarking Research Institutes on Contributions to Animal-Free Innovation and 3Rs Jan-Bas Prins (United Kingdom)
09:10 - 09:25 S3D2.5	The Virtual Human Platform as a New Approach to Take on Animal–Free Future Challenges
09:25 – 09:30	Ronald Vlasblom (Netherlands) Overall Wrap Up Peternella S. Verhave (Netherlands)

Les Goudes 2

08:00 - 09:30 S3D3	Research Quality - Open Science
	Chair: I. Anna S. Olsson (Portugal)
	Co-Chair: Julia Menon (Netherlands)
08:00 - 08:05	Introduction
	I. Anna S. Olsson (Portugal)
08:05 - 08:20 S3D3.1	Risks of Bias and How to Find Them (in Animal Studies)
	Kimberley E. Wever (Netherlands)
08:20 - 08:35 S3D3.2	Systematic Reviews of Animal Studies: Inspiring
	Communication about Good Research Practices
	Julia Menon (Netherlands)
08:35 - 08:50 S3D3.4	"Communities for Open Research Synthesis" – a Community
	Approach to Strengthen Evidence from Animal Research
	Sarah McCann (Germany)
08:50 - 09:05 S3D3.5	Estimating Translational Effectiveness through an Expert
	Informed Metric in a Preclinical Research Unit
	Natascha Drude (Germany)
09:05 - 09:20 S3D3.6	Two-Steps License Requests to Increase Transparency and
	Reduce False Positive Reports: Exploratory Vs Confirmatory
	Studies
	Fulvio Magara (Switzerland)
09:20 – 09:30	Discussion
Callelongue	

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08:00 - 09:30	S3B1	A Good Culture of Care - a Win-Win to Everyone Involved
		Chair: Susanna Louhimies (Belgium) Co-Chair: Belen Pintado (Spain)
08:00 – 08:18	S3B1.1	Culture of Care – Setting the Scene Susanna Louhimies (Belgium)

08:18 – 08:36	S3B1.2	Doing the Right Thing: Competence and a Culture of Care
		Lucy Whitfield (United Kingdom)
08:36 - 08:54	S3B1.3	The Difference Two Hands Can Make
		Ngaire Dennison (United Kingdom)
08:54 - 09:12	S3B1.4	Walk the Extra Mile for Rehoming
		Pascalle Van Loo (Netherlands)
09:12 - 09:30	S3B1.5	A Performance Indicator to Set Corporate Program: from
		Local Actions to Global Commitments
		Thierry Decelle (France)

Morgiou

3	
08:00 – 09:30 W3A1	Digitalization in Laboratory Animal Research: Welfare, Science and Operational Aspects
	Chair: Stefano Gaburro (Italy)
08:00 – 08:30 W3A1.1	Digital Home-Cage: Current Opportunities and Challenges Fabrizio Scorrano (Switzerland)
08:30 – 09:00 W3A1.2	Improved Animal Welfare and Scientific Validity in Home Cage-Based Automated Phenotyping of Mice Oliver Stiedl (Netherlands)
09:00 – 09:30 W3A1.3	Improving Biomedical Research by Automated Monitoring of Animal Behaviour in the Home-Cage Vootele Voikar (Finland)

Sormiou

08:00 – 09:30 W	'3A2	A Taster of Complex Aquatic Models in the Classification and Reporting of Severity of Procedures
		Chair: Anne-Dominique Degryse (France)
		Speakers David Anderson (United Kingdom) Dolores Bonaparte (Portugal) Ana Criado (Italy) Livia D'Angelo (Italy) Anne-Dominique Degryse (France) Delphine Denais-Lalieve (France)

ePoster Area

09:30 - 10:15	P3E	ePoster Sessions: P3E1, P3E2, P3E3, P3E4, P3E5
		(see page 70-74)

Exhibition Area

09:30 – 10:15 Coffee break

Plenary Hall (Amphi)

10:15 – 11:45	S3B2	National Networks of Animal Welfare Bodies - Sharing Ideas and Good Practices
		Chair: Penny Hawkins (United Kingdom) Co-Chair: Delphine Denais-Lalieve (France)
10:15 – 10:30	S3B2.1	Expectations of the European Commission Towards the Animal Welfare Body Susanna Louhimies (Belgium)
10:30 – 10:45	S3B2.2	The National Network of Animal Welfare Bodies in Denmark Thomas Bertelsen (Denmark)
10:45 – 11:00	S3B2.3	The National Network of Animal Welfare Bodies in France Delphine Denais-Lalieve (France)
11:00 – 11:15	S3B2.4	Example of an AWB Network – the Belgian Animal Welfare Body Platform Piet Dierckx (Belgium)
11:15 – 11:30	S3B2.5	The National Network of Animal Welfare Bodies in the UK Sally Robinson (United Kingdom)
11:30 – 11:45		General Discussion

Les Goudes 1

Les Coudes I		
10:15 - 11:45	S3B3	Humane Killing of Laboratory Fish (FELASA Working Group)
		Chair: Jean-Philippe Mocho (United Kingdom) Co-Chair: Kristine von Krogh (Norway)
10:15 – 10:30	S3B3.1	Communication and Humane Killing of Fish Kristine von Krogh (Norway)
10:30 – 10:45	S3B3.2	Communicating on Electrical Stunning Robin McKimm (United Kingdom)
10:45 – 11:00	S3B3.3	Hypothermal Shock – When Official Communication Does not Help Kristine von Krogh (Norway)
11:00 – 11:15	S3B3.4	Justifying the Choice of Anaesthetics to Overdose Zebrafish Jean-Philippe Mocho (United Kingdom)
11:15 – 11:30	S3B3.5	FELASA Working Group Recommendations on Methods for Humane Killing of Laboratory Fish. Highlights and Summary Jean-Philippe Mocho (United Kingdom)
11:30 - 11:45		Discussion

Les Goudes 2

10:15 – 11:45	S3B4	Research Quality - the 3Rs
		Chair: Aurora Brønstad (Norway) Co-Chair: Patrick Hardy (France)
10:15 – 10:33	S3B4.1	The Importance of Genetic Background in Mouse Models Fernando Benavides (United States)
10:33 – 10:51	S3B4.2	The Importance of Microbiome Analysis in Animal Characterization Samira Lawton (United States)
10:51 – 11:09	S3B4.3	Improving Reproducibility in Mouse Models: The Importance of Multi-Level Communication for Reducing Genotyping Inconsistency Sylvie Jacquot (France)
11:09 – 11:27	S3B4.4	Quality Management, a Way to Improve the 3Rs in the Animal Facilities Roberto Plasenzotti (Austria)
11:27 – 11:45	S3B4.5	Exchange of Experience on Critical Incidents Wih the Help of CIRS-LAS Improves Animal Welfare Sabine Bischoff (Germany)

Callelongue

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10:15 – 11:45	S3C1	Use of Survey Data to Forecast Future Trends in Laboratory Animal Science
		Chair: Ann Turner (United States) Co-Chair: Klas Abelson (Denmark)
10:15 - 10:30	S3C1.1	Overview of the Association and Its Research Agenda
		Ann Turner (United States)
10:30 - 10:50	S3C1.2	Diversity and Inclusion
		Ann Turner (United States)
10:50 - 11:05	S3C1.3	Compensation Survey
		Sally Westlake (United States)
11:05 – 11:30	S3C1.4	Job Analysis Survey
		Sally Westlake (United States)
11:30 - 11:45	S3C1.5	Additional Data
		Ann Turner (United States)







XX Automated Genotyping XX Genetic Monitoring XX Microbiome XX Tissue XX Colony + AMI





Samena

10:15 – 11:45	W3C2	The Art of Rodent Anesthesia 101 – Made Easy
		Chair: Cholawat Pacharinsak (United States)
		Speakers Cholawat Pacharinsak (United States) Patrick Sharp (United States)

Plenary Hall (Amphi)

	1 1	
11:45 – 12:45	K31	KEYNOTE LECTURE
		More than 3Rs - The Principles of Humane Experimental
		Technique
		Chair: Jan-Bas Prins (United Kingdom)
		Hanno Würbel (Switzerland)

Exhibition Area

12:45 – 14:15	Lunch break Commercial workshops	
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Morgiou

13:00 - 14:00	Creation and Characterization of (Hun	nanized)
	Rodent Models for Immuno-Oncology	
	Alexander Aslanidis (Germany)	JANVIER.

Sormiou

13:00 – 14:00	General Considerations in Bloodsampling and Infusion Studies
	Chair: J. Adriaan Schmal (Netherlands)
	Speakers: Edwin Spoelstra (Netherlands) Shelly Carballo (United States)
13:00 – 14:00	Next-level Housing and Infrastructure Plans: Improving Animal Model Translation, Welfare, and Operational Efficiencies through Automation of Facilities and Housing
	Chair: John Hasenau (United States)
	Speakers John Hasenau (United States) Jeffrey Zinda (United States)

Plenary	, Hall ((Am	phi)
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14:15 – 15:45	S3F1	My 3Rs in 180 Seconds
14.10	0311	Chair: Athanassia Sotiropoulos (France) SANOFI GENZYME Co-Chair: Samuel Vidal (France)
14:15 – 14:20		Introduction
14:20 – 14:25	S3F1.01	Athanassia Sotiropoulos (France) Development of an Anatomical and Physiological Non-Hu-
14.20 - 14.25	331 1.01	man Primate Respiratory Model to Study Aerosol Deposition
		Justina Creppy (France)
14:25 - 14:30	S3F1.02	Enhancing Animal Welfare by Olfactory Enrichment: The
		Impact of Soiled Bedding on Abnormal Repetitive Behaviors
		Katharina Tillmann (Austria)
14:30 – 14:35	S3F1.03	Refining the Weaning Age of Rhesus Macaques Destined for
		Use in Neuroscience Research David Massey (United Kingdom)
14:35 – 14:40	S3F1 04	Optimization of Skin Sensitization Testing Strategy In Vitro for
11.00	001 1.0 1	Medical Device Extracts
		Lada Svobodova (Czech Republic)
14:40 - 14:45	S3F1.05	Long-Term Analgesia Following a Single Application of a
		Fentanyl Transdermal Solution in Pigs
44.45.44.50	0054.00	Rebecca Goutchtat (France)
14:45 – 14:50	S3F1.06	3R Refined Intrathecal Administration in the Rat Esther Kooijman (Netherlands)
14:50 – 14:55	S3F1 07	The Human Gut Organoid, a Promising Model to Study
14.00	001 1.07	Enterovirus Infection and Disease Pathogenesis
		Ikrame Aknouch (Netherlands)
14:55 – 15:00	S3F1.08	3D Printed Rodent Skin-Skull-Brain Model: A Novel
		Animal-Free Approach for Neurosurgical Training
15.00 15.05	0251.00	Marie Bainier (Switzerland)
15:00 – 15:05	53F1.09	Pilltech – a Refined, Metabolic Inert and Animal Welfare Friendly Tool for Oral Drug Dosing
		Inês Preguiça (Portugal)
15:05 – 15:10	S3F1.10	3R Blackboard: A Platform for Animal and Organ Sharing
		Magdalena Anna Czubala (United Kingdom)
15:10 – 15:15	S3F1.11	Giggling Together - Stress Reduction of Apprentices and Rats
		by Tickling
15:15 15:00	025440	Christine Bauer (Switzerland)
15:15 – 15:20	S3F1.12	3Rs Importance in Practical Teaching: Study of Cardio- respiratory Physiology with a Non-Invasive Telemetric Jacket
		Agathe Cambier (France)

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CUSTOM DIETS BEDDING

ENRICHMENT



15:20 – 15:25	S3F1.13	3D-Printed Rodent Models – a Practical Implementation of the 3Rs in Lab Animal Training Felix Gantenbein (Switzerland)
15:25 – 15:30	S3F1.14	The Role of Noninvasive Multi-Modality Imaging to Imply 3R Principle in Cancer Research
15:30 – 15:35	S3F1.15	Ying Zhao (Sweden) Housing Effects on Cortisol and Body Fat Levels in Captive Female Rhesus Macaques Dian Zijlmans (Netherlands)

14:15 – 15:45	S3D4	The Role of Non-Technical Summaries in Effective Communication on Animal Research to the Public
		Chair: Bob Tolliday (United Kingdom) Co-Chair: Peternella S. Verhave (Netherlands)
14:15 – 14:30	S3D4.1	The Role of Non-Technical Summaries in Effective Communication on Animal Research to the Public Javier Guillén (Spain)
14:30 – 14:45	S3D4.2	Benefits of and Expectations for Improving Transparency through Non-Technical Project Summaries Susanna Louhimies (Belgium)
14:45 – 15:00	S3D4.3	NGO Perspective: Do Summaries Improve Transparency of Where, Why and How Animals are Used? Katy Taylor (United Kingdom)
15:00 – 15:15	S3D4.4	Talking about Harms Barney Reed (United Kingdom)
15:15 – 15:30	S3D4.5	Addressing the 3Rs in Non-Technical Project Summaries Thomas Bertelsen (Denmark)
15:30 – 15:45		Discussion

14:15 – 15:45	S3C3	Scientific Communication: Who Is that Mouse and Does It Matter?
		Chair: Cory Brayton (United States) Co-Chair: Yann Herault (France)
14:15 – 15:00	S3C3.1	Immune Sufficient Mice: Famous Mice, Names and Variants Cory Brayton (United States)
15:00 – 15:45	S3C3.2	Immune Deficient Mice: Famous Mice, Names and Variants Cory Brayton (United States)

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14:15 – 15:45	S3B5	Rehoming Considerations and Strategies. Session I
		Chair: Monique Janssens (Netherlands)
		Co-Chair: Emilie Ecuer (France)
14:15 – 14:20	S3B5.1	Rehoming Lab Animals: Doing the Right Thing
		Monique Janssens (Netherlands)
14:20 – 14:45	S3B5.2	General Considerations for the Rehoming of Animals Used for
		Scientific and Educational Purposes
		Christel Palmyre Henri Moons (Belgium)
14:45 – 15:05	S3B5.3	Rehoming Lab Animals - Strategies and Partnerships
		Pascalle Van Loo (Netherlands)
15:05 – 15:25	S3B5.4	Rehoming of Cats–Important Considerations to Make the
		Story a Success
		Andrea Monika Spiri (Switzerland)
15:25 – 15:45	S3B5.5	Considerations for Rehoming of Mice, Rats and Rabbits
		Jackie Boxall (United Kingdom)

Morgiou

14:15 – 15:45	S3D5	Preregistration of Animal Study Protocols – Increase Value through Transparency
		Chair: Steven Chamuleau (Netherlands) Co-Chair: Elodie Bouchoux (France)
14:15 – 14:20		Introduction Steven Chamuleau (Netherlands)
14:20 – 14:40	S3D5.1	Where Have All the Mice Gone? - a Publication Rate Study Kimberley Wever (Netherlands)
14:40 – 15:00	S3D5.2	Preclinicaltrials.EU: The Benefits of Preregistration and the Influence of Authorities and Peers Julia Menon (Netherlands)
15:00 – 15:20	S3D5.3	Researchers' Attitudes Toward Preregistration Mira van der Naald (Netherlands)
15:20 – 15:45		Discussion

Sormiou

14:15 – 15:45	S3E1	Anaesthesia & Analgesia: Great and Small, New and Refined

Chair: Delphine Bouard (France) Co-Chair: Kévin P. Dhondt (France)

14:15 – 14:33	S3E1.1	Can Thermal Support during Anesthesia Induction Minimize Body Temperature Loss over the Whole Procedure? Brianna N. Gaskill (United States)
14:33 – 14:51	S3E1.2	Anaesthesia Induced Memory Impairment: The Silent Variable Jorge M. Ferreira (Portugal)
14:51 – 15:09	S3E1.3	Effect of Isoflurane or Ketamine/Xylazine on the Murine Immune Response to Influenza Vaccination Tommaso Virgilio (Switzerland)
15:09 – 15:27	S3E1.4	Anaesthesia and Analgesia for Cattle, Sheep, Goats and Pigs Used in Biomedical Research Eddie Clutton (United Kingdom)
15:27 – 15:45	S3E1.5	Refinement of Post-Operative Pain Management in Göttingen Minipigs Cathrine Juel Bundgaard (Denmark)

Exhibition Area

15:45 – 16:30	Cofee break

Plenary Hall (Amphi)

16:30 – 18:00	S3E2	Advances and Challenges in Gnotobiology, a Review of Current Issues
		Chair: Patrick Hardy (France) Co-Chair: Marijana Basic (Germany)
16:30 – 16:40		Introduction Patrick Hardy (France)
16:40 – 17:00	S3E2.1	Fighting against the Odds: Establishment of a New Germfree Animal Facility during Global Pandemic Alessia Montesano (Germany)
17:00 – 17:20	S3E2.2	Bacterial Viability Monitoring as a Screening Tool for Detection of Contaminants in a Germ-Free Husbandry Stephanie Buchheister (Germany)
17:20 – 17:40	S3E2.3	Monitoring of Gnotobiotic Experiments Performed in Micro- isolator Cages Marijana Basic (Germany)
17:40 – 18:00	S3E2.4	Loss of Oligo-Mouse-Microbiota Lachnospiraceae Members Does Not Increase the Susceptibility to Murine Norovirus- Triggered Colitis Kodwo Appoh Odum (Germany)

16:30 – 18:00	S3A3	Severity Assessment
		Chair: Bogdan Sevastre (Romania) Co-Chair: Wim de Leeuw (Netherlands)
16:30 – 16:48	S3A3.1	Joint Effort of 3 Belgian Academic Institutions to Standardize Prospective Severity Assessment Stephanie De Vleeschauwer (Belgium)
16:48 – 17:06	S3A3.2	Improved Assessment of Severity Score Sheets by Means of an Advanced Analytical Dashboard Giulia Forcellini (Italy)
17:06 – 17:24	S3A3.3	Estimating Severity Means Estimating Cumulative Severity Wim de Leeuw (Netherlands)
17:24 – 17:42	S3A3.5	Designing a Score Sheet for Welfare Assessment of the Emerging Fish Model <i>Nothobranchius furzeri</i> Daniela Giaquinto (Italy)
17:42 – 18:00	S3A3.6	Comparative Severity Assessment of Genetic, Stress-Based and Pharmacological Mouse Models of Depression Anne S. Mallien (Germany)

16:30 – 18:00	S3D6	Research Quality – Experimental Design
		Chair: Nuno Henrique Franco (Portugal) Co-Chair: Merel Ritskes-Hoitinga (Netherlands)
16:30 – 16:47	S3D6.1	Ensuring Value in Research Funder Forum Preclinical Working Group: Communication between Funders and Disciplines Merel Ritskes–Hoitinga (Netherlands)
16:47 – 17:04	S3D6.2	Randomice, a User-Friendly Randomization Tool in Animal Research Ivo A. C. W. Tiebosch (Netherlands)
17:04 – 17:21	S3D6.3	Informing Sample Size Choices for Confirmatory Preclinical Studies Meggie Danziger (Germany)
17:21 – 17:38	S3D6.4	Communicating Study Outcomes: Significance and Power are Not Enough
17:38 – 17:55	S3D6.5	Bernhard Voelkl (Switzerland) Navigating Preclinical Confirmatory Multicenter Trials Natascha Drude (Germany)

Callelongue

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16:30 – 18:00	S3B6	Rehoming Considerations and Strategies. Session II
		Chair: Javier Guillén (Spain) Co-Chair: Pascalle Van Loo (Netherlands)
16:30 – 16:50	S3B6.1	Considerations for the Rehoming of Pigs, Minipigs, Horses and Camelids Emilie Ecuer (France)
16:50 – 17:15	S3B6.2	Re-Homing of Small Laboratory Species – a University Perspective Paulin Jirkof (Switzerland)
17:15 – 18:00		Panel Discussion Emilie Ecuer (France) Monique Janssens (Netherlands) Christel Palmyre Henri Moons (Belgium) Pascalle Van Loo (Netherlands)

Morgiou

16:30 – 18:00	S3D7	Interdisciplinary Dialogues around Animal Research and Care
		Chair: I. Anna S. Olsson (Portugal) Co-Chair: Klas Abelson (Denmark)
16:30 – 16:35		Introduction I. Anna S. Olsson (Portugal)
16:35 – 16:55	S3D7.1	Diagramming Dialogues: Reimagining Conversations Around Patient Involvement and Animal Research Gail Davies (United Kingdom)
16:55 – 17:15	S3D7.2	The Mouse Exchange: What Can Curiosity-Driven Public- Engagement Activities Contribute to Work Around Animal Research? Emma Roe (United Kingdom)
17:15 – 17:35	S3D7.3	Working on the Edge - Transforming Human/Non-Human Relationships through Non-Transactional Interdisciplinary Practice Louise Mackenzie (United Kingdom)
17:35 – 17:55	S3D7.4	Subtle Sounds_Queer Laughter Kathy High (United States)
17:55 – 18:00		Final Remarks

Wednesday, June 15, 2022

Plenary Hall (Amphi)

08:00 – 09:30	S4D1 Moving Towards Openness on Animal Research: How National Transparency Agreements Are Transforming the Conversation with the European Public
	Chair: Kirk Leech (United Kingdom) Co-Chair: Javier Guillén (Spain)
08:00 - 08:10	Introduction Kirk Leech (United Kingdom)
08:10 – 08:50	Speakers Javier Guillén (Spain) Monique Havermans (Germany) Wendy Jarrett (United Kingdom) Serban Morosan (France) Ana Isabel Santos (Portugal) Roman Stilling (Germany)
08:50 - 09:30	Discussion

Auditorium

08:00 – 09:30 S4G1	Tech Day Session: Culture of Care in Practice
	Chairs: Ken Applebee (United Kingdom) and Angela Kerton (United Kingdom)
08:00 – 08:30 S4G1.1	Culture of Care – Setting the Scene Susanna Louhimies (Belgium)
08:30 - 09:00 S4G1.2	Raising Concerns - Culture of Care Kathy Ryder (United Kingdom)
09:00 – 09:30 S4G1.3	Creating Spaces and Resources to Recognize and Support the Emotional Labour of Animal Technologists Beth Greenhough (United Kingdom) Jordi L. Tremoleda (United Kingdom)

Les Goudes 1

08:00 – 09:30 S4D2 Aquatics: Welfare and Pain Man	nagement
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Chair: Livia D'Angelo (Italy)

Co-Chair: Jean-Philippe Mocho (United Kingdom)



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- ▶ Spontaneous Tumor Mice & Rat Models
- ► Humanized HLA Mice
- ▶ Immunodeficient Mice and Rats

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08:00 - 08:15 S4D2.1	Prepare for Fish Research
	Adrian Smith (Norway)
08:15 - 08:30 \$4D2.2	Health Monitoring for Fish in Research: Recommendations
	from the FELASA-AALAS Working Group
	Jean-Philippe Mocho (United Kingdom)
08:30 - 08:45 S4D2.3	Advanced Reporting Module for Aquatic Animals in Zebrabase
	Jana Oltova (Czech Republic)
08:45 - 09:00 S4D2.4	FELASA Working Group Report: Pain Management in
	Zebrafish
	Lynne Sneddon (Sweden)
09:00 - 09:15 S4D2.5	Enrichment for Laboratory Zebrafish - Sharing and
	Implementing Good Practice
	Chloe Stevens (United Kingdom)
09:15 - 09:30 S4D2.6	Capture and Transport of Live Cephalopods: Recommend-
	ations for Scientific Purposes–Outcomes from WG FELASA
	Graziano Fiorito (Italy)

08:00 - 09:30 S4C1	Innovative Approaches to Education and Training in LAS
	Chair: Marcel Gyger (United Kingdom) Co-Chair: Dolores Bonaparte (Portugal)
08:00 – 08:15 S4C1.1	Congento Remote Las Training – Making Ends Meet with a Simple, Low Budget Strategy Dolores Bonaparte (Portugal)
08:15 – 08:30 S4C1.2	How Edit and Manage an Interactive LAS Textbook of 3,000 Pages on E-Format José M. Orellana (Spain)
08:30 - 08:45 S4C1.3	"Improve Your Skills" – the Innovative 3R-Skills Lab of the 3R-Centre Giessen Lea Benner (Germany)
08:45 - 09:00 S4C1.4	Open Access Training Resources: E-Learning Module on Searching for Non-Animal Alternatives Julia Menon (Netherlands)
09:00 – 09:15 S4C1.5	Virtual Reality and New Media in the Master Program for Laboratory Animal Science (MLAS) Julia Steitz (Germany)
09:15 - 09:30 S4C1.6	3R's Advanced Simulation in Surgical and Medical Training in Image-Guided Minimally Invasive Procedures Fanélie Wanert (France)

Callelongue

08:00 - 09:30 S4B1	The Designated Veterinarian: Same Job, Different Views
	Chair: Samuel Vidal (France) Co-Chair: Osman Yilmaz (Turkey)
08:00 - 08:05	Introduction Samuel Vidal (France)
08:05 – 08:15 S4B1.1	"A Rose by Any Other Name"Designated Veterinarian / Named Veterinary Surgeon in the UK Lucy Whitfield (United Kingdom)
08:15 – 08:25 S4B1.2	A Point of View from Spain Angel Naranjo Pino (Spain)
08:25 – 08:35 S4B1.3	The Designated Veterinarian in Luxembourg Marthe Schmit (Luxembourg)
08:35 – 08:50 S4B1.4	The Roles of Designated Veterinarian in Croatia Dasa Seveljevic (Croatia)
08:50 - 09:00 S4B1.5	The Role of Designated Veterinarian in Greece Argyro Zacharioudaki (Greece)
09:00 – 09:10 S4B1.6	The Roles of Attending Veterinarians in the United States Fernando Benavides (United States)
09:10 – 09:30	Discussion
ePoster Area	

09:30 – 10:15	P4E	ePoster Sessions: P4E1, P4E2, P4E3, P4E4, P4E5
		(see page 74-80)

Exhibition Area

09:30 – 10:15 Coffee break

Plenary Hall (Amphi)

10:15 - 11:45	S4B2	Working Together to End ,Severe' Suffering
		Chair: Barney Reed (United Kingdom) Co-Chair: Merel Ritskes-Hoitinga (Netherlands)
10:15 – 10:25	S4B2.1	Introduction to the Session – Working Together to End ,Severe' Suffering Barney Reed (United Kingdom)
10:25 – 10:40	S4B2.2	The Designated Veterinarian, a Team Player in the Refinement of Severe Procedures Elodie Bouchoux (France)



Environmental Diagnostics

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IDEXX BioAnalytics

2.3 Reducing Suffering and Implementing Refinements Is a Team Effort
Linda Horan (United Kingdom)
2.4 A Culture of Dare – Animal Welfare Bodies and the End of
Severe Suffering
Nuno Henrique Franco (Portugal)
2.5 Communication Facilitated on Reducing and Finally Ending
Severe Suffering
Leif R. Lund (Denmark)
Discussion
32

Auditorium

10:15 – 11:45	S4G2	Tech Day Session: Reducing Rodent Aggression and Understanding What Mice Are Telling You?	
		Chairs: Ken Applebee (United Kingdom) and Aurora Brønstad (Norway)	
10:15 – 10:40	S4G2.1	Stay Out of My Territory – Understanding and Mitigating Male Mouse Aggression Tamara Baker (United Kingdom)	
10:40 – 11:05	S4G2.2	Mice Can also Be in Zen Maria Kiersgaard (Denmark)	
11:05 – 11:25	S4G2.3	Understanding Communication of Mice: Is There a Value for Animal Welfare Issues? Christine Pfeifle (Germany)	

Les Goudes I		
10:15 – 11:45	S4A1	Animal Behaviour
		Chair: Osman Yilmaz (Turkey)
		Co-Chair: Brianna N. Gaskill (United States)
10:15 – 10:35	S4A1.1	Assessing Physiologic and Behavioral Effects of the
		Resident-Intruder Psychosocial Stress Paradigm
		Rebecca Ober (United States)
10:35 - 10:55	S4A1.2	Monitoring Animal Behavior Disturbed by Construction
		Activities
		Markus Brielmeier (Germany)
10:55 – 11:15	S4A1.3	Modulating Captive Mammalian Social Behavior: A Scoping
		Review on Olfactory Treatments
		Brianna N. Gaskill (United States)
11:15 – 11:35	S4A1.4	From Mating to Milk Access: A Journey through Reproductive
		Vocal Communication in Mice
		Sara Capas Peneda (United Kinadom)

10:15 – 11:45	S4C2	Mutual Acceptance of Education and Training – How to Build Trust on the Quality of Training and Competence Claims
		Chair: Susanna Louhimies (Belgium) Co-Chair: Jan-Bas Prins (United Kingdom)
10:15 – 10:31	S4C2.1	A Voluntary EU Education and Training Framework in Support of Harmonisation Susanna Louhimies (Belgium)
10:31 – 10:47	S4C2.2	Assuring Competence: Process, Consistency and Transparency in Assessment Lucy Whitfield (United Kingdom)
10:47 – 11:03	S4C2.3	Promoting Consistency in Severity Classification Training across Time and Space Dolores Bonaparte (Portugal)
11:03 – 11:19	S4C2.4	Competence in Laboratory Animal Science: Tips and Traps for Mutual Recognition Rafael Frías (Sweden)
11:19 – 11:35	S4C2.5	ETPLAS for the Benefit of Free Movement of Researchers and Mutual Quality Standards across Europe Jan-Bas Prins (United Kingdom)

Callelongue

10:15 – 11:45	S4B3	FELASA Today and Tomorrow - How Can You Contribute?
		Chair: Jean-Philippe Mocho (United Kingdom) Co-Chair: Samuel Vidal (France)
10:15 – 10:30	S4B3.1	FELASA Today and Tomorrow - How Can You Contribute? Belen Pintado (Spain)
10:30 - 10:45	S4B3.2	How You Can Contribute to ICLAS
		Cynthia Pekow (United States)
10:45 - 11:00	S4B3.3	The European Animal Research Association
		Kirk Leech (United Kingdom)
11:00 – 11:15	S4B3.4	Laboratory Animal Science Harmonization through
		Collaboration
		Scott Mischler (United States)
11:15 – 11:30	S4B3.5	FELASA Working Groups – Communication between and with
		LAS Community and Legislators
		Martina Dorsch (Germany)
11:30 – 11:45		Discussion

Morgiou

10:15 – 11:45	W4C3	Come Breed with Us! The Interactive Colony Management Workshop for Virtual GA Mouse Colonies
		Chair: Sara Wells (United Kingdom)
		Speakers Michelle Stewart (United Kingdom) Lydia Teboul (United Kingdom) Sara Wells (United Kingdom)

Samena

10:15 – 11:45	W4B4	Care–Full Stories? Introducing a Training Resource to Explore the 'Culture of Care' from the Perspective of Different Stakeholders
		Chair: Beth Greenhough (United Kingdom)
		Speakers Beth Greenhough (United Kingdom) Angela Kerton (United Kingdom) Jordi L. Tremoleda (United Kingdom)

Plenary Hall (Amphi)

Chair: Belen Pintado (Spain) David Smith (United Kingdom)	11:45 – 12:45	K41	KEYNOTE LECTURE FELASA Award – Challenging the Norm to Achieve the 3Rs – the Value of Data Sharing, Transparency and Openness
David Smith (United Kingdom)			Chair: Belen Pintado (Spain)
			David Smith (United Kingdom)

Exhibition Area

12:45 – 14:15	Lunch break Commercial workshops

Morgiou

13:00 – 14:00	Rigor and Reproducibility for Mouse-bo Experimental Design and Biological Var	
	Chair: Kévin P. Dhondt (France)	
	Speakers Kenneth Henderson (United States) Patricia Turner (United States) Jean Cozzi (France)	charles river

Marseilleveyre

13:00 – 14:00	How Well Your Washer Washes?	
	Speakers Jean-Philippe Mocho (United Kingdom) Patrick Hardy (France)	EAllentown. Improving Uit – its now DNA.

Plenary Hall (Amphi)

14:15 – 15:45	S4A2	(Sponsored by LAL/LAJ) Emerging Technologies for Animal Welfare Assessment	
		Chair: Paulin Jirkof (Switzerland) Co-Chair: Jan-Bas Prins (United Kingdom)	
14:15 – 14:20		Introduction Paulin Jirkof (Switzerland)	
14:20 – 14:45	S4A2.1	Getting More from Your Behavior: Using Pose Estimation with Supervised and Unsupervised Machine Learning Lukas von Ziegler (Switzerland)	
14:45 – 15:10	S4A2.2	Home Cage Monitoring of Animals to Inform Welfare Needs. Sonia Bains (United Kingdom)	
15:10 – 15:35	S4A2.3	Towards an Automated Facial Expression Analysis in Mice Using Deep Learning Katharina Hohlbaum (Germany)	
15:35 – 15:45		Discussion	

Auditorium

14:15 – 15:45	S4G3	Tech Day Session: Come Breed with Us!
		Chairs: Ken Applebee (United Kingdom) and Angela Kerton (United Kingdom)
14:15 – 14:45	\$4G3.1	Come Breed with Us! GA Colony Management Skills Sara Wells (United Kingdom)
14:45 – 15:05	S4G3.2	Female Companionship to End Social Isolation of Male Mice Ivo A. C. W. Tiebosch (Netherlands)
15:05 – 15:25	\$4G3.3	Improving Group Size Planning of Breedings of Gene- Modified Animals Thorsten Buch (Switzerland)
15:25 – 15:45	S4G3.4	A Necropsy Protocol for Newborn Mice Sara Capas Peneda (United Kingdom)



Is your in vivo research data reproducible?

Reproducibility starts with choosing the right mice. An investigation has shown that 50% of past preclinical research is not reproducible, at a cost of US \$28 billion per year (Freedman et al.). By using the correct animal model, you could

increase reproducibility and avoid the loss of time, resources, and possible funding — not to mention reducing the number of animals used. What if you could validate/prove your research without buying the first animal model?



14:15 – 15:45	S4B5	Culture of Care – Learning from Each Other
		Chair: Nuno Henrique Franco (Portugal) Co-Chair: Javier Guillén (Spain)
14:15 – 14:35	S4B5.1	Assessment of Culture of Care within Laboratory Animal Science Using a Comprehensive Survey Tool Thomas Bertelsen (Denmark)
14:35 – 14:55	S4B5.2	Same Animal Care Culture across Different Human Cultures through AAALAC International Accreditation Javier Guillén (Spain) Abdullah M. Assiri (Saudi Arabia) Delphine Denais-Lalieve (France) Manuel Góngora (Colombia) Montip Gettayacamin (Thailand)
14:55 – 15:15	S4B5.3	Culture of Care: Transparency Initiatives in Germany Part I – Where are We Now? Roman Stilling (Germany)
15:15 – 15:35	S4B5.4	Culture of Care: Transparency Initiatives in Germany Part II – Best Practices and Experiences Sabine Bischoff (Germany)
15:35 – 15:45		Discussion

14:15 – 15:45	\$4D3	Comms Strategies and Means
		Chair: I. Anna S. Olsson (Portugal) Co-Chair: Birgit Ledermann (Switzerland)
14:15 – 14:20		Introduction I. Anna S. Olsson (Portugal)
14:20 – 14:40	S4D3.1	Communication Strategies to Promote Development and Implementation of Laboratory Animal Regulations Hanna-Marja Voipio (Finland)
14:40 – 15:00	S4D3.2	Walking the Tightrope: How to Balance Diverging Expectations from Science, Politics and the Public Julia Biederlack (Germany)
15:00 – 15:20	S4D3.3	It Is Time to Talk Birgit Ledermann (Switzerland)
15:20 – 15:40	S4D3.4	A Transdisciplinary Tool for Communicating Integrity and Animal Experimentation to High School Students I. Anna S. Olsson (Portugal)

Callelongue

Canciongae		
14:15 – 15:45	S4C4	What Can You Gain from a FELASA Accredited Laboratory Animal Science According to Directive 2010/63/EU?
		Chair: Marcel Gyger (United Kingdom) Co-Chair: Chris Van Ginneken (Belgium)
14:15 – 14:40	S4C4.1	FELASA Accreditation: Ensuring Quality Education and Training in Laboratory Animal Science. Nicole Linklater (Germany)
14:40 – 15:05	S4C4.2	Go, Get (Y)Our LAS Course Accredited! Andreas Teubner (Netherlands)
15:05 – 15:25	S4C4.3	Classical Versus Online Examinations: Pros and Cons Nicole Linklater (Germany)
15:25 – 15:45	S4C4.4	Skill Training and Assessment in Laboratory Animal Science Courses. Chris Van Ginneken (Belgium)

Exhibition Area

Plenary Hall (Amphi)

16:30 – 18:00	S4A3	Non-Verbal Communication as Tools to Assess Animal Welfare and to Refine Procedures
		Chair: Viola Galligioni (Ireland) Co-Chair: Martina Perše (Slovenia)
16:30 – 16:35		Introduction Viola Galligioni (Ireland) Martina Perše (Slovenia)
16:35 – 16:55	S4A3.1	Assessing Behaviour for Rodent Welfare Monitoring Paulin Jirkof (Switzerland)
16:55 – 17:15	S4A3.2	Can Hair Steroids Provide Information Regarding Effects of Environment on Rodents Welfare and Behavior? Alberto Elmi (Italy)
17:15 – 17:35	S4A3.3	Clicker Training for Laboratory Rodents – Cognitive Enrichment and Beyond Nadine Baumgart (Germany)
17:35 – 17:55	S4A3.4	Rodents Handling and Training for Stress-Free Procedures Therése Ahlström (Sweden)
17:55 – 18:00		Conclusions

Auditorium

16:30 – 18:00	S4G4	Tech Day Session: Talk, Talk and Talk Some More
		Chairs: Ken Applebee (United Kingdom) and Angela Kerton (United Kingdom)
16:30 – 16:50	S4G4.1	How Communication through a Culture of Care Has Opened our High Containment Doors Lauren Cresser (United Kingdom)
16:50 – 17:20	S4G4.2	Using a Refinement Wiki to Enhance Communication Adrian Smith (Norway)
17:20 – 17:50	\$4G4.3	Communication with the Future: Laboratory Animal Science in 2042 Marcel Frajblat (Brazil)
17:50 – 18:00	S4G4.4	Conclusions from the FELASA-EFAT Working Group Klas Abelson (Denmark)

16:30 – 18:00	S4B6	Culture of Care – a Collaborative Effort
		Chair: Delphine Denais-Lalieve (France) Co-Chair: Kévin P. Dhondt (France)
16:30 – 16:35		Introduction Delphine Denais-Lalieve (France)
16:35 – 16:50	S4B6.1	Transforming Culture: Culture of Care in Animal Research Stephanie Krämer (Germany)
16:50 – 17:05	S4B6.2	The Role of Leadership in Creating a Culture of Care Caroline Back (Sweden)
17:05 – 17:20	S4B6.3	Connecting Parties for a Responsible Stance Towards Animals Monique Janssens (Netherlands)
17:20 – 17:35	S4B6.4	Culture and Collaboration between the Clinician-Scientist and Veterinary Specialist: A Vital Interprofessional Partnership Rebecca Ober (United States)
17:35 – 17:50	S4B6.5	Improving Culture of Care through an Efficient and Agile Animal Welfare Body Organization Kévin P. Dhondt (France)

16:30 – 18:00	\$4C5	Better Education for Better Science
		Chair: Ranko Stojkovic (Croatia) Co-Chair: Merel Ritskes-Hoitinga (Netherlands)
16:30 – 16:45	S4C5.1	New Interdisciplinary and Co-Creative Education Leads to Action Learning for Both Teachers and Students Merel Ritskes-Hoitinga (Netherlands)
16:45 – 17:00	S4C5.2	Evolving Education to Meet Current and Future Needs Steven Cubitt (United Kingdom)
17:00 – 17:15	S4C5.3	Building Up Laboratory Animal Training Capabilities with International Communities Jordi L. Tremoleda (United Kingdom)
17:15 – 17:30	S4C5.4	Multimodal Approaches for the Implementation of the 3R Principles in Education and Training Leonie Zieglowski (Germany)
17:30 – 17:45	S4C5.5	Ten Years Successful Education on Laboratory Animal Science Johannes Schenkel (Germany)
17:45 – 18:00	S4C5.6	Compliance and Training - Cycle of Improvement Gregory Reinhard (United States)

Callelongue

Culleloligue		
16:30 – 18:00	S4A4	Non-Human Primates: Husbandry, Management and Welfare
		Chair: Jan Langermans (Netherlands) Co-Chair: Claire Witham (United Kingdom)
16:30 – 16:48	S4A4.1	Assessment of Indoor Air Quality and Consequent Recommendations for Group-Housed Macaques Annemiek Maaskant (Netherlands)
16:48 – 17:06	S4A4.2	Identifying Risk Factors for Fight Injuries in a Breeding Colony of Rhesus Macaques Claire Witham (United Kingdom)
17:06 – 17:24	S4A4.3	Detection of Neutralizing Antibodies against Adeno Associated Virus Serotype-2 and 9 in NHP Sera Rajeev Dhawan (United States)
17:24 – 17:42	S4A4.4	The Next Level of Positive Reinforcement: A Personalized Training Approach for Non-Human Primates Quentin Blanc (France)
17:42 – 18:00	S4A4.5	The Reliability and Validity of the Cynomolgus Macaque Grimace Scale Patricia Turner (Canada)

Morgiou

16:30 – 18:00 W4C6	Modern Education and Training Tools – Hands On Worskhop on eModules, Training Assessment Tools, VR and Others
	Chair: Marcelle Holloway (Italy)
16:30 – 17:00 W4C6.1	ETPLAS Resources Aimed at Facilitating Harmonisation of LAS Education in Europe Anne-Dominique Degryse (France)
17:00 – 17:30 W4C6.2	Putting the "E" into "Learning": Effective, Easy-Access Educa- tion with 2010/63/EU Functions E-Learning Modules Nuno Henrique Franco (Portugal)
17:30 – 17:40 W4C6.3	Education and Training Tools for the Implementation of the Directive and the Three Rs Susanna Louhimies (Belgium)
17:40 – 18:00	Hands-On Time to Get Acquainted with the Free Tools!

Riou

Chair: Bella Williams (United Kingdom)

Speakers

Keith Davies (United Kingdom) Penny Hawkins (United Kingdom) Bella Williams (United Kingdom)

Thursday, June 16, 2022

Plenary Hall (Amphi)

09:00 – 10:30 S5D1	The Challenges and Opportunities to Improve Public Understanding of the Use of NHP in Research in Europe
	Chair: Serban Morosan (France) Co-Chair: Jan Langermans (Netherlands)
09:00 – 09:05	Introduction Serban Morosan (France)
09:05 – 09:25 S5D1.1.	The Importance of Openess about Non-Human Primate Research for Public Support Thomas Brochier (France)
09:25 – 09:45 S5D1.2	Reflections on Improving the European Public and Decision Makers Understanding of the Use of NHP's in Research in Europe Kirk Leech (United Kingdom)
09:45 – 10:05 S5D1.3	Communicating and Conducting NHP Research during a Pandemic, a Supply Shortage and as a Central Component of Biomedical Research Stefan Treue (Germany)
10:05 – 10:30	Discussion

09:00 - 10:30	S5A1	Home Cage Monitoring
		Chair: Jan Honetschläger (Czech Republic) Co-Chair: Sara Fuochi (Switzerland)
09:00 – 09:18	S5A1.1	Data Communication through Digital Cages: Phenotyping Spontaneous Locomotor Activity in Inbred and Outbred Mouse Strains Sara Fuochi (Switzerland)
09:18 – 09:36	S5A1.2	An Impedance-Based Automated Home-Cage System Dis- plays Activity Changes in an DSS-Induced Acute Colitis Model Eva Zentrich (Germany)
09:36 – 09:54	S5A1.3	Automatic Assessment of Socially Relevant Behaviour in a CNS Injury Mouse Model: Benefits and Challenges Jordi L. Tremoleda (United Kingdom)



Animal Husbandry & Breeding

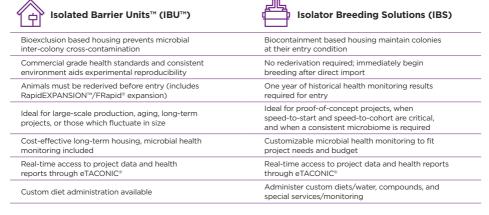
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09:54 – 10:12	S5A1.4	Exploring the Value Gained by Monitoring Animal Activity during Calcipotriol Induced Atopic Dermatitis Studies Joanna Moore (United Kingdom)
10:12 – 10:30	S5A1.5	Studying Physical Exercise Effect on Motor Skills of the CMVMJD135 Machado-Joseph Disease Mouse Model Magda João Castelhano-Carlos (Portugal)

09:00 – 10:30	S5C1	Laboratory Animal Surgery - Can We Do Better?
		Chair: Petra Seebeck (Switzerland) Co-Chair: Nikos Kostomitsopoulos (Greece)
09:00 – 09:15	S5C1.1	Training of Rodent Surgeons - Current Practice and Available Guidelines Felix Gantenbein (Switzerland)
09:15 – 09:30	S5C1.2	From Trainee to Trainer: Lessons Learned through Implementation of a Dual–Catheter Model in Mice Thomas Nielsen (Denmark)
09:30 - 09:45	S5C1.3	Refinements in Perioperative Support for Mice and Rats Claire Hankenson (United States)
09:45 – 10:00	S5C1.4	Translational Large Animal Models for Cardiovascular Applications Nikola Cesarovic (Switzerland)
10:00 – 10:15	S5C1.5	Surgical Training Using a Combination of Simulation and Anaesthetized Pigs Peter Bollen (Denmark)
10:15 – 10:30	S5C1.6	EALAS - Fostering High Standards in Preclinical Surgery Delphine Bouard (France)

Callelongue

09:00 – 10:30 S5A2	Health Monitoring With and Without Sentinels
	Chair: Martina Dorsch (Germany) Co-Chair: Patri Vergara (Spain)
09:00 - 09:03	Introduction Martina Dorsch (Germany)
09:03 – 09:18 S5A2.1	Genetic and Health Quality Care for Mouse and Rat Breeders Patri Vergara (Spain)
09:18 – 09:33 S5A2.2	Use of Sentinel-Free Agitated Soiled Bedding as a Means to Detect Rodent Pathogens Marcia Hart (United States)

09:33 - 09:48 S5A2.3	Standardization of a Sentinel-Free Bedding Dust Collection Procedure for Rodent Pathogen PCR Detection
	Kenneth Henderson (United States)
09:48 - 10:03 S5A2.4	Towards Non-Invasive Health Monitoring of Laboratory
	Mouse Colonies with Lucia-Patriot Sentinels
	Arkadiusz Miazek (Poland)
10:03 – 10:18 S5A2.5	Murine Chapparvovirus DNA and Antibody Detection in
	Soiled-Bedding Sentinel Mice Is Dose Dependent
	Kenneth Henderson (United States)
10:18 – 10:30	Discussion

Morgiou

09:00 – 10:30	W5C2	Improving Research Reporting and Scientific Communication
		Chair: Cory Brayton (United States)
		Speakers Cynthia Pekow (United States) Ouajdi Souilem (Tunisia)

Sormiou

09:00 – 10:	30 W5D2	Inbred, Outbred and Well-Bred
		Chair: Michelle Stewart (United Kingdom)
		Speakers Rosie Hiller (United Kingdom) Michelle Stewart (United Kingdom) Sara Wells (United Kingdom)

Riou

09:00 – 10:30 W5B1	How to Understand and Assess Culture of Care within Academia and Pharmaceutical Settings
	Chair: Helen Emery (United Kingdom)
09:00 – 09:30 W5B1.1	Defining a Good Culture of Care in an Animals Research Facility and How this Is Translated into Organisational Practices Helen Emery (United Kingdom)
09:30 – 10:00 W5B1.2	Assessment of Culture of Care within Laboratory Animals Science Using a Comprehensive Survey Tool Thomas Bertelsen (Denmark)
10:00 – 10:30	Discussion



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ePoster Area

10:30 – 11:15	P5E	ePoster Sessions: P5E1, P5E2, P5E3, P5E4, P5E5
		(see page 80-86)

Exhibition Area

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Plenary Hall (Amphi)

11:15 – 12:45	S5C2	Three Rs Education and Training Outreach
		Chair: Marcelle Holloway (Italy) Co-Chair: Laura Gribaldo (Italy)
11:15 – 11:20		Introduction Marcelle Holloway (Italy) Laura Gribaldo (Italy)
11:20 – 11:40	S5C2.1	An Overview of Three Rs Education Initiatives Targeting Schools, Universities and Early-Career Professionals Marcelle Holloway (Italy)
11:40 – 12:00	S5C2.2	Introducing the Three Rs into Primary and Secondary Schools Lyubov Vasylchuk (Belgium)
12:00 – 12:20	S5C2.3	Advancing Three Rs Uptake in University Education through a European Network Laura Gribaldo (Italy)
12:20 – 12:40	S5C2.4	Open Access Training Resources: E-Learning Module on the Development of Alternative Methods and Approaches Chantra Eskes (Switzerland)
12:40 – 12:45		Wrap Up

11:15 – 12:45	S5D3	Interactive Session: New EU Guidance on Genetically Altered Animals
		Chair: Susanna Louhimies (Belgium) Co-Chair: Heinz Brandstetter (Germany)
11:15 – 11:35	S5D3.1	Keeping the Right Side of the Law Susanna Louhimies (Belgium)
11:35 – 11:55	S5D3.2	The Three Rs in the Creation and Maintenance of Genetically Altered Animals (GAAS) David Anderson (United Kingdom)

11:55 – 12:15 12:15 – 12:45	S5D3.3	Drafting and Evaluating Concise Project Applications for Creation / Maintenance of Genetically Altered Animals Kathy Ryder (Belfast, United Kingdom) Questions and Answers – Floor Is Yours
Callelongue		
11:15 – 12:45	S5E1	Diagnostic and Testing Chair: Karen Mulkijanyan (Georgia) Co-Chair: Amir Rosner (Israel)
11:15 – 11:30	S5E1.1	Biological Materials Testing – an Often Under–Communicated Component of an Animal Resources Biosecurity Program Marcia Hart (United States)
11:30 – 11:45	S5E1.2	Miriad: Multiplex Immunoassay for Rodents Infectious and Animal Diseases Rémi Malbec (France)
11:45 – 12:00	S5E1.3	Chlamydia muridarum: A Pathobiont Hiding in Plain Sight. Neil S. Lipman (United States)
12:00 – 12:35	S5E1.4	Clinical Case and Pathology Quiz Bowl Cory Brayton (United States)
12:35 – 12:45		Final Remarks and Conclusions
Morgiou		
11:15 – 12:45	W5D4	Public (& Friends and Family) Engagement with Animal Research
		Chair: Bella Williams (United Kingdom)
	W5D4.1	Public (and Friends and Family) Engagement with Animal Research John Meredith (United Kingdom)
Sormiou		
11:15 – 12:45	W5B2	Communicate Better
		Chair: Peternella S. Verhave (Netherlands)
		Interactive Session

Monique Janssens (Netherlands) Ngaire Dennison (United Kingdom)

Riou

11:15 – 12:45 W5D5 How to Promote Public Awareness about Animal Research Using Social Media

Chair: Roman Stilling (Germany)

Speakers

Monique Havermans (Germany) Georgios Petrellis (Belgium) Inês Serrenho (United Kingdom) Roman Stilling (Germany)

Plenary Hall (Amphi)

12:45 – 13:15 Closing and Award Ceremony

Announcement of award winners (Poster Award, My 3Rs in 180 seconds)

Announcements for FELASA 2025

ePoster Sessions

ePoster Area

Monday, June 13, 2022

15:50 – 16:30	P2E1	ePoster Station 1 - It's All About Behaviour
		Chair: Jan Langermans (Netherlands)
15:50 – 15:52		Introduction Jan Langermans (Netherlands)
15:52 – 15:55	PA08	Tail-Biting Behaviour in BALB/c Female Mice: Nesting Material and Space Considerations Wairimu Gatome (United Kingdom)
15:55 – 15:58	PA05	Behavioral Tests Assessing Anxiety- and Depression-Like Behavior in Mice and the Memory Effect Maša Čater (Slovenia)
15:58 – 16:01	PA13	Dietary Manipulations Cause Sex-Dependent Metabolic and Behavioural Changes in Mice Jasmina Kerčmar (Slovenia)
16:01 – 16:04	PA20	Using Mice Social Behaviour to Assess Pathogen Transmission Dynamics Irene Sanchez Mendez (Spain)
16:04 – 16:07	PB40	Provision of Animal Facilities to Express Natural Behavior Manon Vesvres (France)
16:07 – 16:10	PE10	Effect of Chronic Antidepressants and Glucocorticoids in Judgement Bias and Homecage Behaviour in Mice Silvina Diaz (Argentina)
16:10 – 16:13	PE16	Behavioral Digital Recordings Céline Gommet (France)
15:50 – 16:30	P2E2	ePoster Station 2 - It's All About Communication with Peers
		Chair: Delphine Denais-Lalieve (France)
15:50 – 15:52		Introduction Delphine Denais-Lalieve (France)
15:52 – 15:55	PB02	Communication with Scientists and Timed-Mating Rodent Management Can Help Reduce Surplus Animals: our Experience Kaja Blagotinšek Cokan (Slovenia)



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15:55 – 15:58	PC05	European Academy of Laboratory Animal Surgery (EALAS)
15:58 – 16:01	PC16	Delphine Bouard (France) The 3Rs Database Programme: Humane Endpoints Website and the Interspecies Database Wim de Leeuw (Netherlands)
16:01 – 16:04	PD01	Communication as Key Element for Centralized Professional Breeding Outsourcing Activities Eva Maria Amen (Switzerland)
16:04 – 16:07	PD08	Medicine Safety in Breastfeeding: Communicating about Animal Data in a Large European Research Consortium Alberto Elmi (Italy)
16:07 – 16:10	PD39	The Importance of Peer-To-Peer Communication in Time of Crisis – the Swiss Experience Xavier Warot (Switzerland)
16:10 – 16:13	PD27	Quality Management: A Good Tool to Manage Crisis Thanks a Better Communication. Anne-Marie Mura (France)
16:13 – 16:16	PD28	Using Dynamic Work Design to Connect People Working in Laboratory Animal Research Judy Murray (United States)
16:16 – 16:19	PD30	Communication in Managing Intellectual Property and Mouse Exportation Mary Proctor (United States)
16:19 – 16:22	PD11	Post-Receipt Client Feedback: Understanding, Communicating and Resolving. Charles River UK Wairimu Gatome (United Kingdom)
15:50 – 16:30	P2E3	ePoster Station 3 – It's All About Fish
		Chair: Livia D'Angelo (Italy)
15:50 – 15:52		Introduction Livia D'Angelo (Italy)
15:52 – 15:55	PA03	Learn from the Hoard - Fishends/Fishends-Dig Refinement of Endpoints in Fish Studies Aurora Brønstad (Norway)
15:55 – 15:58	PB23	Zebrafish Sperm Cryopreservation: An Essential Practice for a CRO Specialized in Zebrafish Services Visila Moiche (Spain)
15:58 – 16:01	PB37	The Challenge of Long Duration Anaesthesia for Zebrafish Larvae Ana Valentim (Portugal)

16:01 – 16:04	PC01	Statistical Considerations for the Breeding of Zebrafish and their Use in Experiments Claire Allen (United Kingdom)
16:04 – 16:07	PC41	Evaluating Zebrafish Genotyping Methods with Consideration of the 3R's Lisa Van Hateren (United Kingdom)
16:07 – 16:10	PE14	Controlling Spread of Pseudoloma neurophilia between Zebrafish Facilities Olga M Fernández Rodríguez (Spain)
16:10 – 16:13	PE50	The Fish Embryo Acute Toxicity Test as a Suitable Method for Hospital Wastewater Testing Martina Wittlerova (Czech Republic)
15:50 – 16:30	P2E4	ePoster Station 4 - It's All About Husbandry and Care
		Chair: Amir Rosner (Israel)
15:50 – 15:52		Introduction Amir Rosner (Israel)
15:52 – 15:55	PC18	Feedback from the Rehabilitation of Training Animals Used in Oniris Jean-Claude Desfontis (France)
15:55 – 15:58	PB18	The Kkay Model for Diabetic Nephropathy: Challenges and Solutions in the Animal Handling Tonny Lagerweij (Netherlands)
15:58 – 16:01	PD24	Rehoming Procedures for Research Dogs and Cats at Veterinary School Oniris in France Yassine Mallem (France)
16:01 – 16:04	PE27	Evaluation of the Estrogenic Activity of Diets Used in Scientific Protocols with Rodents Dominique Martel (France)
16:04 – 16:07	PD26	Implementation of Animal Care and Use Regulations in Countries in Transition: Georgian Experience Karen Mulkijanyan (Georgia)
16:07 – 16:10	PD32	Daily Care of Mice Inside Isolators in a BSL3 Facility Julia Sanchez Garcia (Spain)
16:10 – 16:13	PB36	Upper Airway Management Strategies during Injectable Anesthesia in New Zealand White Rabbits: Preliminary Results Gwenola Touzot-Jourde (France)
16:13 – 16:16	PB44	How to Breed <i>Monodelphis domestica:</i> The Prototype Laboratory Marsupial for Research on Early Life–Stages Paola Zarattini (Italy)

15:50 – 16:30	P2E5	ePoster Station 5 - It's All About Facility Management and Operations
		Chair: Ranko Stojkovic (Croatia)
15:50 – 15:52		Introduction Ranko Stojkovic (Croatia)
15:52 – 15:55	PC09	Handling of Mtb-Infected Mice in BSL3 Molecular Imaging Laboratory for in Vivo PET/CT Imaging Patricia Casado Castro (Spain)
15:55 – 15:58	PB05	An Alternative Decontamination Procedure of Shipping Containers for Introducing Animals in an Animal Facility Luisa Corsi (Italy)
15:58 – 16:01	PE12	Dealing with Data Overload? Custom Data Management in a Gnotobiotic Facility to Improve Communication Emily Dugan (Australia)
16:01 – 16:04	PD09	Problems with the Regulation of Animal Experiments in Everyday Work. Case Studies from Hungary Kinga Fodor (Hungary)
16:04 – 16:07	PE18	The Change Station as a Hub of Communication in the Animal Room Stephan Hammelbacher (Germany)
16:07 – 16:10	PD13	Role of Regulatory Clearances in Maintaining Research Animals in COVID-19 Crisis: Indian Perspectives Arvind Ingle (India)
16:10 – 16:13	PB19	Correlation of Health Notifications, Genetical Status, Temperature and Humidity in Two Rodent Facilities Varpu Laine (Finland)
16:13 – 16:16	PD23	More Realistic Budgeting in Grant Proposals Would Benefit Research Quality and Animal Welfare Jeannette Lorteije (Netherlands)
16:16 – 16:19	PE45	Investing in the Future: Research & Innovation Park Maria Anna Tsoutsou (Greece)
16:19 – 16:22	PE46	Construction: How a Communication Plan Preserves Animal Welfare, Quality Research, and Relationships between Stakeholders Jeremy Turner (United States)
16:22 – 16:25	PB38	Positive Impact on the Laboratory Mice Welfare by Establishing a Permanent Cage-Changing Day Cristina Verdu-Exposito (Spain)

Tuesday, June 14, 2022

09:35 – 10:15	P3E1	ePoster Station 1 – It's All About Communication Beyond Peers
		Chair: Karen Mulkijanyan (Georgia)
09:35 – 09:37		Introduction Karen Mulkijanyan (Georgia)
09:37 – 09:40	PC04	European Union and Algeria: Statistics on the Use of Animals for Scientific Purposes Abdelouafi Benmouloud (Algeria)
09:40 – 09:43	PD04	Public Confidence, Trust, and Expectations for the Oversight of Invertebrates Used in Scientific Research Michael W. Brunt (Canada)
09:43 – 09:46	PC10	The Romanian Student Perception about Animal Experimentation Cristin Coman (Romania)
09:46 - 09:49	PD05	Communication of the Competent Authority in Romania on Animal Experimentation Cristin Coman (Romania)
09:49 - 09:52	PD07	Conversations with Patients: An Important Approach to Spread Animal Research in Biomedicine to Society Olga M Fernández Rodríguez (Spain)
09:52 – 09:55	PD14	Better Animal Research through Open Science Monique Janssens (Netherlands)
09:55 – 09:58	PC28	The General Public's Opinion about Laboratory Dogs – a Hungarian Survey Gabriella Korsós (Hungary)
09:58 – 10:01	PB16	Communication in Animal Research – Importance of Personality Type and Ethical Viewpoints of Animal Experimentation Valentina Kubale (Slovenia)
10:01 – 10:04	PD18	Fake News in Science and about Science Valentina Kubale (Slovenia)
10:04 – 10:07	PD35	For Better Communication – One Secretariat for Both 3R– Center, National Committee and Animal Experimentation Council Katrine Svendsen (Denmark)

09:35 – 10:15	P3E2	ePoster Station 2 - It's All About Comparative Medicine
		Chair: Kévin P. Dhondt (France)
09:35 – 09:37		Introduction Kévin P. Dhondt (France)
09:37 - 09:40	PD20	Corticosterone Levels in Mouse Models for Inflammatory Bowel Disease: A Systematised Scoping Review Cathalijn Leenaars (Germany)
09:40 – 09:43	PD15	We Need to Talk about Fraudulent Animal Studies – Learnings from a Systematic Review Otto Kalliokoski (Denmark)
09:43 – 09:46	PE30	Bone Parameters Measurement and Analysis in C57BL/6J and BALB/c Mice Via <i>In Vivo</i> Imaging Vasileios Ntafis (Greece)
09:46 – 09:49	PA19	Reproductive and Nutritional Parameters in Polygenic Mouse Models of Obesity and Leanness Tatjana Pirman (Slovenia)
09:49 - 09:52	PE34	PDX Tumor Growth Comparisons in the Ultra-Immunodeficient NOD.CB17-PrkdcScid Il2rgTm1/Bcgen (B-Ndg) Mouse Model Travis Rothrock (United States)
09:52 – 09:55	PE41	Anthropometrical Parameters in Experimental Obesity in Sprague-Dawley Rats Bogdan Sevastre (Romania)
09:55 – 09:58	PB32	Reassessment of the Mouse Estrous Cycle by Sensitive Measurements of Circulating Estradiol and Progesterone Malan Strbenc (Slovenia)
09:58 – 10:01	PE43	Thymus in CB57BL/6 Mice; a Morphological Study from Adolescence to Senescence Anastasia Tsingotjidou (Greece)
10:01 – 10:04	PE44	Forelimb Comparative Anatomy of Different Laboratory Animal Species Anastasia Tsingotjidou (Greece)
10:04 – 10:07	PD38	Comparing Translational Success Rates across Medical Research Fields Gwen Van de Wall (Netherlands)

09:35 – 10:15	P3E3	ePoster Station 3 – It's All About How to Prepare, Report and Learn
		Chair: Nuno Henrique Franco (Portugal)
09:35 – 09:37		Introduction Nuno Henrique Franco (Portugal)
09:37 – 09:40	PD02	Reporting of Risks of Bias in Animal Research: An Automated Institutional Monitoring Dashboard Alexandra Bannach-Brown (Germany)
09:40 – 09:43	PD17	Comparing Reporting Quality of Preclinical Animal Studies in 2009 Versus 2018 – a Nationwide Study Birgitte Saima Kousholt (Denmark)
09:43 – 09:46	PB42	Statistics Versus Animal Welfare: Validation of the Experimental Unit in the Focus of 3R. Miriam Vogt (Germany)
09:46 - 09:49	PC34	A New Facility for the Systematic Review and Meta-Analysis of Animal Studies Torsten Rackoll (Germany)
09:49 – 09:52	PD31	3R Ranker: An Artificial Intelligence Based Algorithm to Identify Replacement Alternatives Merel Ritskes-Hoitinga (Netherlands)
09:52 – 09:55	PD34	Microdialysis of Adrenaline and Corticosteroids in Animals and Humans: A Systematic Review Bobbie Smith (Germany)
09:55 – 09:58	PC40	My Animal Research: Experimental Design, a Personalized, Practice–Based Learning Track for PhD Students Ivo A. C. W. Tiebosch (Netherlands)
09:58 – 10:01	PE48	Challenges of 3R Industrialization: The Example of Tetanus Vaccines Viktória Vágány (Hungary)
10:01 – 10:04	PD19	Comparing Animal and Human Scientific Literature: Implications for Automation of Systematic Reviews Cathalijn Leenaars (Germany)
09:35 – 10:15	P3E4	ePoster Station 4 – It's All About Refinement with Mice
		Chair: Yann Herault (France)
09:35 – 09:37		Introduction Yann Herault (France)
09:37 – 09:40	PB13	Implementing Cup and Tunnel Handling in a (Large) Pharmaceutical Rodent Facility Maria Kiersgaard (Denmark)

09:40 – 09:43	PB25	Utility of Environmental Enrichment in Naturally-Aged Mice Breeding
09:43 – 09:46	PA18	Noboru Ogiso (Japan) The Effect of Clicker Training on the Acute Physiological Stress Response in C57BL/6J Mice Dorothea Pichl (Germany)
09:46 – 09:49	PB29	Implementation of Non-Aversive Handling in Mice in an ABSL3 Facility Violeta Solis Soto (Spain)
09:49 – 09:52	PB30	Refinement of Co ₂ Euthanasia in Mice Violeta Solis Soto (Spain)
09:52 – 09:55	PB34	Familiarizing Mice with Tonometric Intraocular Pressure Measurements Anni Tenhunen (Finland)
09:55 – 09:58	PB43	Effect Gnawing Wood on Disease Induction in a Mouse Model for Diet-Induced Non-Alcoholic Steatohepatitis Nicole Worms (Netherlands)
09:58 – 10:01	PE52	How to Improve and Refine the Elevated Plus Maze for Laboratory Mice Aurélie Zaros (Belgium)
09:35 – 10:15	P3E5	ePoster Station 5 – It's All About Non–Human Primates
09:35 – 10:15	P3E5	ePoster Station 5 - It's All About Non-Human Primates Chair: Ken Applebee (United Kingdom)
09:35 - 10:15 09:35 - 09:37	P3E5	Chair: Ken Applebee (United Kingdom) Introduction
	P3E5 PA01	Chair: Ken Applebee (United Kingdom) Introduction Ken Applebee (United Kingdom) Painting as a Means of Promoting Positive Human-Primate Interactions
09:35 – 09:37		Chair: Ken Applebee (United Kingdom) Introduction Ken Applebee (United Kingdom) Painting as a Means of Promoting Positive Human-Primate Interactions Nora Denk (Switzerland) A New Group Housing Approach for Non-Human Primate Metabolism Studies
09:35 – 09:37 09:37 – 09:40	PA01	Chair: Ken Applebee (United Kingdom) Introduction Ken Applebee (United Kingdom) Painting as a Means of Promoting Positive Human-Primate Interactions Nora Denk (Switzerland) A New Group Housing Approach for Non-Human Primate Metabolism Studies Jesper Juhl Hansen (Denmark) Acute Aspiration Pneumonia in Common Marmoset (Callithrix Jacchus) with Marmoset Duodenal Dilation Syndrome.
09:35 - 09:37 09:37 - 09:40 09:40 - 09:43	PA01 PE19	Chair: Ken Applebee (United Kingdom) Introduction Ken Applebee (United Kingdom) Painting as a Means of Promoting Positive Human-Primate Interactions Nora Denk (Switzerland) A New Group Housing Approach for Non-Human Primate Metabolism Studies Jesper Juhl Hansen (Denmark) Acute Aspiration Pneumonia in Common Marmoset (Callithrix

09:52 – 09:55	PC32	The NHP-Specific FELASA Course: Practical Training (in Times of Social Distancing) Björg Pauling (Germany)
09:55 – 09:58	PA22	Homecage Testing Device to Evaluate Cognitive Learning in a Group of Related Common Marmosets. Cléo Schoeffel (France)
09:58 – 10:01	PB33	NHP Refinement: Behavioral Management Programs Combining Training and Design for Laboratory Animals Mental Well-Being Nadine E. Suendermann (Germany)
10:01 – 10:04	PA25	Use of Post-Operative Nighttime Behaviour to Assess the Efficacy of Analgesic Protocols in Research Macaques Patricia Turner (Canada)
10:04 – 10:07	PE53	Does Behaviour Predict Overweight in Captive Group-Living Rhesus Macaques? Dian Zijlmans (Netherlands)

Wednesday, June 15, 2022

09:33 – 10:15 P4E1	ePoster Station 1 - It's All About Education and Training
	Chair: Nikos Kostomitsopoulos (Greece)
09:33 – 09:35	Introduction
	Nikos Kostomitsopoulos (Greece)
09:35 – 09:38 PC02	3
	The Experience of Fondazione Guido Bernardini
	Federica Baldin (Italy)
09:38 – 09:41 PC03	Best Practice in Animal Welfare Education for Roche
	Apprentices
	Christine Bauer (Switzerland)
09:41 - 09:44 PA02	Validation of Reproducibility after E.coli Nissle Infection in
	Intestinal Organoids
	Andre Bleich (Germany)
09:44 - 09:47 PC06	Fulfill 3R in Practical Courses with Mice, and the Cherry on
	the Cake: 5R
	Valentine Bouet (France)
09:47 - 09:50 PC12	Assessment of Researcher's Practical Skills in Laboratory
	Animal Sciences Courses
	Andreia Costa (Portugal)

09:50 – 09:53	PC13	Importance of Laboratory Animal Science Training in an Education Institution Anelise Maria Costa Vasconcelos Alves (Brazil)
09:53 – 09:56	PC17	Setting Up Virtual Practical Workshops in Regulatory Education/Training Courses for Laboratory Animal Users Jean-Claude Desfontis (France)
09:56 - 09:59	PC19	How We've Always Done It': Facing Difficulties in Virtual Learning Karen Dunford (United Kingdom)
09:59 – 10:02	PC25	Education in the Laboratory Animal Science in Oncology; Experience in Center of Molecular Immunology. Addys Gonzalez Palomo (Cuba)
10:02 – 10:05	PC29	Challenges in the Teaching of Laboratory Animal Science and the Need to Improve Openness. Gabriella Korsós (Hungary)
10:05 – 10:08	PC30	How Do Trainees Evaluate Realtime Online and Live Lectures in Laboratory Animal Science Course? Pavlos Lelovas (Greece)
10:08 – 10:11	PC31	Competence Assessment Methodology Development for Laboratory Rodents Handling in Congento, a Portuguese Research Infrastructure Sofia Leocádio (Portugal)
09:33 – 10:15	P4E2	ePoster Station 2 - It's All About Innovation and
		Improvement Chair: Boris Jerchow (Switzerland)
09:33 - 09:35		Introduction Boris Jerchow (Switzerland)
09:35 – 09:38	PC07	3Rs Importance in Practical Teaching: Study of Cardio- respiratory Physiology with a Non-Invasive Telemetric Jacket Agathe Cambier (France)
09:38 – 09:41	PC26	Toward the Development of a 3D Simulator for Training the Mouse <i>In Utero</i> Electroporation Fernando Gonzalez-Uarquin (Germany)
09:41 – 09:44	PB10	Connecting the Virtual Mouse House to the Real World Astrid Fabry (Austria)



BIORESOURCES



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- ✓ Efficacy studies
- Safety studies, dose findings
- ✓ Food studies, palatability
- Reproduction, pediatrics
- ✓ Behaviour
- ✓ Wipe tests
- ✓ Bioproducts
- ✓ Various housing solutions
- ✓ Supply of Marshall Beagle®







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09:47 - 09:50	PE40	State of the Art Rodent Strain Documentation Software Doris Schneller (Germany)
09:50 - 09:53	PD12	MRI to Improve Animal Research Diane Genies (France)
09:53 - 09:56	PE22	Skeletal Malformations in Mice and the Magic of X-Ray Diagnostics Britta Klein (Germany)
09:56 – 09:59	PE24	CMS: A Refinement and Reduction Initiative that Can also Increase Data Quality Janne Koch (Denmark)
09:59 – 10:02	PC39	Anidrop, an Innovative 3R Tool for All Julien Thévenet (France)
10:02 – 10:05	PE35	Vitrification of Mouse Embryos in IMBB-FORTH Mouse Facility Hara Roumpaki (Greece)
10:05 – 10:08	PA11	E-C@GE: Instrumentation for Remote Measurement and Management of Laboratory Animal Welfare Damien Gervasoni (France)
10:08 – 10:11	PD22	Optimising Nasal Potential Difference Testing in Mice Cathalijn Leenaars (Germany)
09:35 – 10:15	P4E3	ePoster Station 3 – It's All About Rats
09:35 – 10:15	P4E3	ePoster Station 3 - It's All About Rats Chair: Bogdan Sevastre (Romania)
09:35 – 10:15 09:35 – 09:37	P4E3	Chair: Bogdan Sevastre (Romania) Introduction
	P4E3	Chair: Bogdan Sevastre (Romania)
09:35 – 09:37		Chair: Bogdan Sevastre (Romania) Introduction Bogdan Sevastre (Romania) A Super Enriched Cage for Rats and Staff Tina Brønnum Pedersen (Denmark) Rederivation of Streptococcus - Infected Rats by Caesarean Section and Cross Fostering -Practical Aspects.
09:35 - 09:37 09:37 - 09:40	PA04	Chair: Bogdan Sevastre (Romania) Introduction Bogdan Sevastre (Romania) A Super Enriched Cage for Rats and Staff Tina Brønnum Pedersen (Denmark) Rederivation of Streptococcus - Infected Rats by Caesarean
09:35 - 09:37 09:37 - 09:40 09:40 - 09:43	PA04 PC43	Chair: Bogdan Sevastre (Romania) Introduction Bogdan Sevastre (Romania) A Super Enriched Cage for Rats and Staff Tina Brønnum Pedersen (Denmark) Rederivation of Streptococcus - Infected Rats by Caesarean Section and Cross Fostering -Practical Aspects. Katarzyna Joanna Zelewska (Norway) Evaluation of a New Telemetry Jacket System for Rats Valerie Cordier (Switzerland) Socializing the Diet Induced Obese Rat – No More Grumpy Old Rats
09:35 - 09:37 09:37 - 09:40 09:40 - 09:43 09:43 - 09:46	PA04 PC43	Chair: Bogdan Sevastre (Romania) Introduction Bogdan Sevastre (Romania) A Super Enriched Cage for Rats and Staff Tina Brønnum Pedersen (Denmark) Rederivation of Streptococcus - Infected Rats by Caesarean Section and Cross Fostering -Practical Aspects. Katarzyna Joanna Zelewska (Norway) Evaluation of a New Telemetry Jacket System for Rats Valerie Cordier (Switzerland) Socializing the Diet Induced Obese Rat – No More Grumpy

09:55 - 09:58 09:58 - 10:01 10:01 - 10:04	PA24 PA26 PC08	Effects of Anti-Inflammatory Drugs on Induced Chronic Inflammation in the Naked Mole Rat Jesse Thuo (Denmark) Metabolic Rate during Simulated Dispersal in Strictly Subterranean Rodent, the Giant Mole-Rat (F. mechowii) Zuzana Vavrušková (Czech Republic) Refining the Implementation of Surgical Protocols: Benefits of
		Non-Invasive Cardiorespiratory Monitoring in Rat Agathe Cambier (France)
09:33 – 10:15	P4E4	ePoster Station 4 – It's All About Mitigating Adverse Effects
		Chair: Virginie Dangles-Marie (France)
09:33 – 09:35		Introduction Virginie Dangles-Marie (France)
09:35 – 09:38	PC24	Innovative Animal-Free Training to Stereotaxic Neurosurgery Damien Gervasoni (France)
09:38 – 09:41	PE13	Autologous Blood-Derived Patches: A New Means of Preventing Postsurgical Adhesions Morten Eskildsen (Denmark)
09:41 – 09:44	PC21	Poster for Guidance on Aseptic Technique during Rodent Surgery Felix Gantenbein (Switzerland)
09:44 – 09:47	PC22	Systematic Review on Guidelines for Good Surgical Practice in Experimental Rodent Surgery Felix Gantenbein (Switzerland)
09:47 – 09:50	PC23	Survey on Current Training Practices of Rodent Surgeons Felix Gantenbein (Switzerland)
09:50 – 09:53	PA07	Evaluation of Metamizole and Buprenorphine as Post- Laparotomy Analgesic Agents in Rats Fatima-Zahra Khamlichi (France)
09:53 – 09:56	PB15	Refining Ketamine Anesthesia in C57BL/6 Mice Sefanie Kolstrup (Denmark)
09:56 – 09:59	PE29	Molecular Hydrogen Protects Mouse Sperm Mitochondria from Oxidative Stress and Improves Sperm Motility Yoshihiro Noda (Japan)
09:59 – 10:02	PE31	Improved In Vitro Fertilization Rate after Oral Treatment of Male B6N Mice with D-Aspartate Manon Peltier (Germany)
10:02 – 10:05	PC35	Serum Buprenorphine, Corticosterone and Clinical Efficacy of Oral Buprenorphine in Rats Undergoing Major Surgery Henrik Rasmussen (Norway)

10:05 – 10:08 10:08 – 10:11	PB31	Enhanced Perioperative Respiratory Management of Sheep Undergoing Experimental Surgery Marzia Stabile (Italy) Formalin-Fixed, Paraffin-Embedded Samples in Animal Research: A Source for RNA Expression Analysis Ana Unkovič (Slovenia)
09:33 – 10:15	P4E5	ePoster Station 5 - It's All About Welfare
		Chair: I. Anna S. Olsson (Portugal)
09:33 – 09:35		Introduction I. Anna S. Olsson (Portugal)
09:35 – 09:38	PD21	The Nasal Potential Difference Test for Assessing Cystic Fibrosis Disease Severity: A Systematic Review. Cathalijn Leenaars (Germany)
09:38 – 09:41	PA09	Assessment of Wellbeing and Pain in a Citrobacter rodentium Infection Mouse Model Jonathan Gehring (Germany)
09:41 – 09:44	PA10	Development of a Camelid Grimace Scale to Recognize Pain in Llamas and Alpacas Marc Geldhof (Belgium)
09:44 - 09:47	PC27	One Size Does Not Fit All – Better Animal Welfare by Designing Better Score Sheets Maike Heimann (Switzerland)
09:47 – 09:50	PB04	The Impact of Mirrors in Enhancing Animal Welfare of Single Housed Rabbits Luisa Corsi (Italy)
09:50 - 09:53	PE26	Development of a Protocol for Assessing the Welfare of a Research Sheep Flock Vanessa Louzier (France)
09:53 – 09:56	PA15	Modulation of Nociception by Noradrenaline and Serotonin Receptor Systems in Speke's Hinge-Back Tortoise Christopher Musembi Makau (Denmark)
09:56 – 09:59	PA16	A Comparison of Welfare Indicators of Group Housed Rats in Semi-Naturalistic and Standard Cages. Richard Mavunganidze (South Africa)
09:59 – 10:02	PB20	Third Party Assessments: Introducing a New Standard to Improve Animal Welfare Matthew McLoughlin (United States)

10:02 – 10:05	PB27	Versatile E-Score Sheet Table for Severity Evaluation with Free and Open Access
10:05 – 10:08	PE32	José M. Orellana (Spain) Monitoring of Pain and Wellbeing in a Chronic Colitis <i>IL10</i> – Deficient Mouse Model
		Pia Pascale Peppermüller (Germany)
10:08 – 10:11	PA21	Mice Welfare Assessment after Heterologous Red Blood Cell Transfusion
		Nikolaos Sarakavazis (Greece)
10:11 – 10:14	PA28	Multimodal Severity Assessment in Laboratory Sheep after
		Surgery
		Eva Zentrich (Germany)

Thursday, June 16, 2022

10:35 – 11:15	P5E1	ePoster Station 1 - It's All About Health and Disease
		Chair: Jan-Bas Prins (United Kingdom)
10:35 – 10:37		Introduction Jan-Bas Prins (United Kingdom)
10:37 – 10:40	PE08	Sudden Death of Immunocompromised-Mice Caused by Cytolysin Induced Septicemia after Infection with <i>Paeniclos-tridium sordelii</i> Stephanie Buchheister (Germany)
10:40 – 10:43	PE05	Pathological Findings Underlying Abdominal Distension in an Experimental Facility of Laboratory Mice Sergio Berdun (Spain)
10:43 – 10:46	PD03	Voltage-Gated Sodium Channels Na _v 1.7 and Na _v 1.8 Inhibitors Have Potential to Inhibit Cough in Guineapigs Mariana Brozmanova (Slovakia)
10:46 – 10:49	PE02	Microbiota Changes after Local Colitis Treatment with a Drug-Elution Hydrogel with Biologics in Rat Sandra Barbosa (Spain)
10:49 – 10:52	PA12	A Clinical Case of Imperforate Vagina in a CRL:CD1 (LCR) Mouse
10:52 – 10:55	PD16	Zoe Holden-Hart (United Kingdom) LACE1 Deficiency Accelerates Browning of Inguinal White Adipose Tissue in Mice Youn Ju Kim (Korea, Republic of)
10:55 – 10:58	PE23	Nature'S Curiosities – Bilateral Gynandromorphism in Mice Britta Klein (Germany)



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10:58 – 11:01	PD25	Staphylococcus Aureus Infection Induces Hypoxia in Intestinal Cells and Alters Oxysterol/Cholesterol Ratio Ahmed Elmontaser Mohamed (Germany)
11:01 – 11:04	PC33	Interactions and Readout between Mouse Gut Microbiome and Infections by Using 'Altered Schaedler Flora' Rebecca Nistelberger (Austria)
11:04 – 11:07	PB39	Long-Term Effects of Four Commercial Beddings in the Lungs of Aged Mice Cristina Verdu-Exposito (Spain)
10:35 - 11:15	P5E2	ePoster Station 2 - It's All About Monitoring
		Chair: Ranko Stojkovic (Croatia)
10:35 – 10:37		Introduction Ranko Stojkovic (Croatia)
10:37 – 10:40	PE49	Hospital Wastewaters – Cyto/Genotoxicity Assessed by Non- Animal Methods Alena Vlkova (Czech Republic)
10:40 – 10:43	PE06	A qPCR Assay for the Detection of Staphylococcus Aureus in Laboratory Animal Health Monitoring Lena Brix (Germany)
10:43 – 10:46	PB01	What Monitoring of Rehomed Animals Can Tell about the Shortcomings of Regulatory Housing Conditions Dominique Autier-Déran (France)
10:46 – 10:49	PD06	Development of a SARS-CoV2 (COVID19) Multiplex for Sero- logical Screening of Lab Animal Colonies Rajeev Dhawan (United States)
10:49 – 10:52	PE20	Cage-Level Environmental Sampling Provides Increased Sensitivity in <i>Pneumocystis Carinii</i> Detection Marcia Hart (United States)
10:52 – 10:55	PB14	New Method to Control Laboratory Animal Health and Care Annamária Kiss (Hungary)
10:55 – 10:58	PE33	Evaluation of Substrate Materials in a Rodent Health Monitoring Program Mary Proctor (United States)
10:58 – 11:01	PA23	Health Monitoring in an AAALAC Accredited Animal Facility in the Sense of the 3Rs Diana Ströbel (Germany)
11:01 – 11:04	PE07	A Novel and Highly Sensitive qPCR Assay Detects <i>Clostridium</i> piliforme in EAD Material Stephanie Buchheister (Germany)

10:35 – 11:15	P5E3	ePoster Station 3 – It's All About Culture of Care
		Chair: Angela Kerton (United Kingdom)
10:35 – 10:37		Introduction Angela Kerton (United Kingdom)
10:37 – 10:40	PB06	The French Network of Animal Welfare Bodies (RN-SBEA): Actions and Projects Delphine Denais-Lalieve (France)
10:40 – 10:43	PB07	Ethical Concerns of Animal Use in Research - Laws, Recommendations and Culture of Care Ismene Dontas (Greece)
10:43 – 10:46	PB11	How Do Laboratory Animal Researchers and Professionals Perceive Welfare? An Exploratory Study Young-Shin Joo (Korea, Republic of)
10:46 – 10:49	PB12	Ethical Management of Crisis Abdullah Kandira (Germany)
10:49 – 10:52	PB24	Creating an Emotionally Engaged Culture to Address Compassion Stress and Build Resiliency Judy Murray (United States)
10:52 – 10:55	PB26	Compassion Fatigue and Coping Mechanisms in UK and EU Research Animal Professionals Carly O'Malley (United States)
10:55 – 10:58	PC37	A Company Internal 3R Award Improves Animal Welfare and Study Outcomes Carola Schäfer (Germany)
10:58 – 11:01	PD33	Building a 3R-Network and Increasing Outreach: A Case Report Roberto Plasenzotti (Austria)
11:01 – 11:04	PB35	A Culture of Care for Human Wellbeing: The Importance of Cross-Pollination across Animal-Related Fields Sally Thompson-Iritani (United States)
11:04 – 11:07	PB41	The New Methodology: The 6 Cs in the Culture of Care (COC) Anna Vilà (Spain)
10:35 – 11:15	P5E4	ePoster Station 4 – It's All About Pigs
		Chair: Aurora Brønstad (Norway)
10:35 – 10:37		Introduction Aurora Brønstad (Norway)
10:37 – 10:40	PE01	Building an Animal Lactation Model: Pilot Amoxicillin Study in Conventional Pigs and Göttingen Minipigs Camilla Aniballi (Italy)

10:40 - 10:43	PB03	Considerations of Refinement in the Swine Facility of Cerimed Pauline Brige (France)
10:43 – 10:46	PB09	Contactless Monitoring Methods in Large Animal Species – a
		Case Study in Pigs
		Lisa Ernst (Germany)
10:46 – 10:49	PD40	Adoption of Minipigs – a Second Life after Research
10.40 10.52	DD20	Veronika Gramling (Germany)
10:49 – 10:52	PD29	Are SPF Guinea Pigs the Best Model for Experiments in Respiratory Physiology?
		Jana Plevkova (Slovakia)
10:52 – 10:55	PC38	Sharing Best Practices When Working with Göttingen Minipigs
		Susi Søgaard (Denmark)
10:55 – 10:58	PD36	Health Monitoring in Farm Pigs Used for Research Purposes -
		a Practical Example
		Anders Fick Thomsen (Denmark)
10:58 – 11:01	PD37	Transition of Farm Pigs to Research Pigs Using a Checklist –
		a Refinement Initiative
11.01 11.04	DC 40	Anders Fick Thomsen (Denmark)
11:01 – 11:04	PC42	Highly Realistic Swine Model for Training in Therapeutic Endoscopic Ultrasound
		Fanélie Wanert (France)
11:04 – 11:07	PA27	Implantation of a Rat Vascular Access Buttons in Göttingen
		Minipigs
		Adrian Zeltner (Denmark)
10:35 – 11:15	P5E5	ePoster Station 5 - It's All About Models
		Chair: Amir Rosner (Israel)
10:35 – 10:37		Introduction
		Amir Rosner (Israel)
10:37 – 10:40	PC20	Development and Domesticaton of an Internal Lineage of
		Black Rats for Laboratories Studies
10 10 10 10	DEC.	Fafournoux Ambre (France)
10:40 – 10:43	PE04	Intestinal Microbiota Determines the Outcome of Colitis Pathogenesis in Interleukin 10–Deficient Mice
		Marijana Basic (Germany)
10:43 – 10:46	PE09	Galleria mellonella Model Host: A Potential in Vivo Tool to
13.10	00	Assess Antibody Functionality
		Emiliano Chiarot (Italy)





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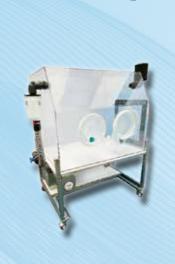
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10:46 – 10:49	PA06	Setting-Up a Multimodal and Integrated Sensory Platform to Analyze Mouse Models in Aging Research Elena De Felice (Italy)
10:49 – 10:52	PE15	Refinement of Mannan-Induced Psoriatic Arthritis Mouse Model Using Non-Invasive Imaging Techniques Pierre-Yves Fortin (France)
10:52 – 10:55	PE17	Usefulness of an Experimental Model of Extracorporeal Blood Purification in Research and Development. Abdessalem Hammed (France)
10:55 – 10:58	PE25	Hematology Analyzer Results in Immunodeficient Mice: Mind the Trap! Catherine Layssol-Lamour (France)
10:58 – 10:58	PE42	Optimization of Skin Sensitization Testing Strategy <i>In Vitro</i> for Medical Device Extracts Lada Svobodova (Czech Republic)
10:58 – 11:01	PE51	The Gunn Rat in the 2022: A New Model Better Representing the Human Scenario Paola Zarattini (Italy)



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