



New Paradigms in Laboratory Animal Science

A Joint FELASA/Scand-LAS symposium

Monday, June 14 2010

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| <p>Europaea - W1 - How to prepare animal ethics part in FP7 applications? <i>David B. Morton & Derek Fry 9.30-</i></p> | <p>Baltica - W2 - Leadership in association management / <i>Ann Turner 9.30-</i></p> | |
| <p style="text-align: center;">Europaea 13.00 - Opening ceremonies 13.30 -14.15 Karl-Johan Öbrink lecture - Chair: Ann-Christine Eklöf <i>Mart Saarma, University of Helsinki:</i> Neurotrophic factors: Biology and therapeutic potential for neurodegenerative diseases Break</p> | | |
| <p>Europaea - S1 - Emerging infections in laboratory animals <i>Chairs: Axel Kornerup Hansen & André Bleich</i> 14.45 Welcome and introduction - <i>Axel Kornerup Hansen & André Bleich</i> 14.50 Newly-recognized pathogens in rodents and biological materials - <i>Lela K Riley & Robert S Livingston</i> 15.15 Multiplex serology - <i>Werner Nicklas</i> 15.40 Effect of Murine Norovirus on experimental colitis in IL10-deficient mice - <i>Lydia Janus, Marcel Achard, Michael Mähler, Detlef Neumann, Nils-H Zschemisch, Anna Smoczek, Hans-J Hedrich & André Bleich</i> 15.55 Infection with <i>Helicobacter pullorum</i> in mice and rats - <i>JJ Lohmiller, SR Boutin, Z Shen, PL Roesch, SM Stiefel, EA Prikhodka, JC Smith, NS Taylor, FE Dewhirst, H Klein & JG Fox</i> 16.10 Health monitoring of barrier bred rats for a novel respiratory disease caused by a putative viral agent termed rat respiratory virus - <i>CS Dunn, M Foa, ME Galasso, A Girod, S Melot-Dusseau, B Schönengel & CB Clifford</i> 16.25 Prevalence of infectious diarrhea of infant rats - <i>MH Myles & Lela K Riley</i> <i>Sponsored by Laboratory Animals LTD</i></p> | <p>Fennia I - PS1 - Models for life-style and age related diseases <i>Chairs: Ismene Dontas & Sandor Fekete</i> 14.45 The role of animal models in psychiatric research - <i>H.B. Tejkalová</i> 15.05 Nutritional research: Animal models and their veterinary challenges - <i>Anja Petrie</i> 15.25 Effects of positive and negative caloric imbalances in Rhesus monkeys - <i>Joseph Kemnitz, Ricki Colman & Richard Weindruch</i> 15.45 Prenatal dexamethasone application influences parameters of lipid metabolism in the female F2 and F3 generation of common marmoset monkeys (<i>Callithrix jacchus</i>) - <i>U Buchwald, F Gassdorf, J Grohmann, D Teupser, C Habla & A Einspanier</i> 16.05 Minerallomics: The role of minerals in the nutrigenomics - <i>Sandor Gy Fekete</i> 16.25 Animal models of osteoporosis - <i>Ismene Dontas</i> 16.45 Mimicking postmenopausal bone loss in tail vertebrae of mice - <i>G Kuhn, FM Lambers, FA Schulte, K Koch, C Weigt & R Müller</i> 17.05 The role of infection in a neurodevelopmental model of schizophrenia - <i>HB Tejkalová, T Ruml, M Rumlová, J Klaschka, J Mysliveček & Š Růžicková</i></p> | <p>Nordia -S2 - New generation GMOs: Refinement in procedures <i>Chairs: Belen Pintado & Jan-Bas Prins</i> 15.30 Refining the creation of genetically modified models: Update and state of the art - <i>Belen Pintado, A Serrano, M García & V Domínguez</i> 16.00 The importance of genetic background in mouse and rat models - <i>Fernando Benavides</i> 16.30 High-throughput and/or in-depth phenotyping of genetically modified mice - <i>Vootele Voikaar</i> 17.00 Increasing complexity of animal models: A challenge for the lab animal scientist! - <i>JB Prins</i></p> |
| <p style="text-align: center;">Exhibitors evening 17-20</p> | | |

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Europaea – S3 - Do we need to monitor the normal flora?

Chairs: *Axel Kornerup Hansen & André Bleich*

8.30 The impact of the gut flora on inflammatory diseases - *Helena Tlaskalova-Hogenova, R Štěpánková, T Hrnčíř, D Funda, T Hudcovic, H Kozáková, M Kverka, L Tučková, P Rossmann, K Klimešová, Z Zákostelská, J Burianová, J Bartova & J Čapková*

9.00 Why should we consider monitoring the normal flora? - *Axel Kornerup Hansen, Majbritt Ravn Hufeldt, Camilla Hartmann Friis Hansen, Merete Ellekilde, Dennis Sandris Nielsen, Bent Aasted & Finn Kvist Vogensen*

9.20 The impact of the normal flora on colitis models - *André Bleich*

9.50 Specific changes of gut commensal microbiota (GCM) in a model of indomethacin-induced acute enteritis in rats - *E Terán, M Aguilera, S Barbosa, V Martínez & P Vergara*

10.00 Break

10.30 Alterations of gut commensal microbiota (GCM) persist during the chronic phase of inflammation in a model of indomethacin-induced enteritis in rats - *S Barbosa, M Góngora, E Teran, F Cabello, G Nejar, V Martínez, J Cantó & P Vergara*

10.40 Genetically influenced susceptibility to experimental colitis is associated with differential host response and differential compositional changes of microflora - *Gwen Büchler, Melissa Wos-Oxley, Anna Smoczek, Detlef Neumann, Dietmar H Pieper, Hans-J Hedrich & Andre Bleich*

10.50 Correlation between gut microbiota and development of glucose intolerance in B6.v-Lep^{ob/ob} leptin deficient mice - *Merete Ellekilde, Camilla Hansen, Majbritt Hufeldt, Finn Vogensen, Bent Aasted, Kirsten Dahl, Dennis S Nielsen & Axel Kornerup Hansen*

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Fennia I - PS2 - Research validity / Translational studies

Chair: *Ann-Christine Eklöf & Janne Koch*

8.30 Translational research and validity - can we really translate results from animals to humans? - *Ann-Christine Eklöf*

8.50 Beagle dogs as preclinical model in stem cell transplantation research - *Julia Zorn, Sabine Schwamberger, Heiko Adler & Hans-Jochem Kolb*

9.05 Dynamics of neuroinflammation in the macrosphere model of focal cerebral ischemia: An approximation to human stroke patterns - *Maureen Walberer, Maria A Dennin, Marie-Lune Simard, Beata Emig, Sebastian Jander, Gereon R Fink & Michael Schroeter*

9.20 Non-invasive imaging technologies in musculoskeletal preclinical models - *Jordi L Tremoleda, Magdy Khalil, Marzena Wylezinska-Arridge & Willy Gsell*

9.40 Break

10.00 Investigation of the cancer resistant phenotype of the sr/cr mouse - *Janne Koch, Jann Hau, Henrik Elvang Jensen & Klaus Rieneck*

10.20 Coli sepsis: Characterization of a viable and practical rat model - *José Luis Martín-Barrasa, Charlín Méndez Cordovéz, Candelaria Juste de Santa Ana, Antonio Espinosa de los Monteros y Zayas, José Alberto Montoya Alonso, Bernardino Clavo Varas & Teresa Tejedor Junco*

10.35 Effect of treadmill exercise enrichment on coordination performance in mice - *AN Nielsen, C Rasmussen, Y Hansen, N Nordberg & T Larsen*

10.50 The use of positive reinforcement in Göttingen minipigs - *P Glerup, S Mølgaard, L Andersen & DB Sørensen*

Nordia

S4 - AAALAC Session- Using peer reviews to improve animal care and use programmes

Chair: *Peter Clausing*

8.30 Preparing and achieving AAALAC accreditation. A "field experience" in an university environment - *Jann Hau*

9.30 Break

10.00 Continuous improvement by AAALAC peer review. A retrospective analysis of European sites - *Thierry Decelle & Peter Clausing*

Europaea - 11.15-11.45 FELASA Award & Plenary - Chair: Javier Guillen *Michael FW Festing: Inbred strains and toxicity testing*

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Lunch

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| <p>Europaea – Chair: Nikolaos Kostomitsopoulos 13.00 STL1 - The application of the 3Rs concept in EMF radiation research - <u>Lukas Margaritis</u> *****</p> <p>Europaea - PS3 - Refining housing - Social environment Chairs: <u>Frauke Ohl</u> & <u>Nikolaos Kostomitsopoulos</u> 13.30 Species-specific housing standards – A reflection - <u>Frauke Ohl</u> 13.50 Do group-housed mice show preferences for different bedding structures? - <u>J Kirchner</u>, <u>H Hackbarth</u>, <u>HD Stelzer</u> & <u>P-P Tsai</u> 14.10 Co-species housing affects stress reactivity in mice and rats - <u>Saskia S Arndt</u>, <u>Dissaya Lohavech</u>, <u>José van't Klooster</u> & <u>Frauke Ohl</u> 14.30 Effect of environmental enrichment on post-operative recovery and the need for pain relief in laboratory mice – <u>TM Pham</u>, <u>B Hågman</u>, <u>A Codita</u>, <u>PLP Van Loo</u>, <u>L Strömmer</u> & <u>V Baumans</u> 14.50 Pheromonal exchange as appreciable factors for immunological studies on mice – <u>MP Moshkin</u> 15.10 Break</p> | <p>Fennia I - PS5 - Commission funded projects - are we getting value for money from untargeted projects? Chair: <u>David Smith</u> 13.30 The EU FP6 & FP7 funding program "Alternative Testing Strategies - replacing, reducing and refining the use of animals in research" – <u>Horst Spielmann</u> 14.00 The European Partnership for Alternative Approaches to animal testing (EPAA) - <u>KD Bremm</u>, <u>C Westmoreland</u> & <u>I Manou</u> 14.20 Effective communication of the 3Rs - <u>Magda Chlebus</u> 14.40 Infrafrontier WP5 “draft engineering specifications” – A report from the visiting team - <u>Markus Brielmeier</u>, <u>Pedro Otaegui</u>, <u>Heike Kollmus</u>, <u>Rainer Post</u>, <u>The WP5 Visiting Team*</u>, <u>Martin Hrabé de Angelis</u> & <u>Klaus Schughart</u> 15.00 Break <i>Sponsored by AstraZeneca</i></p> | <p>Nordia - PS4 - Innovations for research applications Chairs: <u>Patrick Hardy</u> & <u>Juan Rodríguez</u> 13.00 Introduction – <u>Patrick Hardy</u> 13.05 Detection and follow-up of hepatic pathologies by high-frequency ultrasound imaging in mice - <u>Itziar Fernández</u>, <u>Nieves Gómez</u>, <u>J Javier Echevarría</u>, <u>Luz Martínez-Chantar</u> & <u>Juan Rodríguez</u> 13.25 <i>In vivo</i> assessment of bone formation and resorption rates – <u>G Kuhn</u>, <u>FA Schulte</u>, <u>FM Lambers</u> & <u>R Müller</u> 13.45 MRI analysis reveals metabolic alterations within the pancreas of diabetic LEW.1AR1-iddm rats an animal model of T1DM – <u>M Meier</u>, <u>T Arndt</u>, <u>W Dreher</u>, <u>H Weiss</u>, <u>A Jörns</u>, <u>HJ Hedrich</u>, <u>S Lenzen</u> & <u>D Wedekind</u> 14.05 Tissue engineering and the reduction & replacement of laboratory animals - <u>Rob de Vries</u>, <u>Merel Ritskes-Hoitinga</u> & <u>Bert Gordijn</u> Innovations in Diagnostics 14.25 Multiplex genotyping of rodent pathogens - <u>Daniela Höfler</u>, <u>Markus Schmitt</u>, <u>Petra Mauter</u>, <u>Werner Nicklas</u> & <u>Michael Pawlita</u> 14.45 Investigation of a high density PCR array for the detection of rodent infectious agents - <u>Kenneth S Henderson</u>, <u>Panagiota Momtsios</u>, <u>Delia M Muijs</u> & <u>Cheryl L Perkins</u> 15.05 Break</p> | <p>Elie-Selim – S5 - ICLAS scientific session on CIOMS principles and harmonization Chairs: <u>Cecilia Carbone</u> & <u>Gilles Demers</u> 13.00 Towards international guidance concerning the production, care and use of genetically altered animals - <u>Gilly Griffin</u> 13.40 ICLAS network for promoting laboratory animal quality: Genetic monitoring program - <u>Patri Vergara</u> 14.20 Update on the revision of the CIOMS International Guiding Principles for Biomedical Research Involving Animals (1985) by the ICLAS Working Group on Harmonization of Guidelines - <u>JR Haywood</u> 15.00 Break</p> |
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| <p>Europaea - PS6 - Refining housing - Physical environment <i>Chairs: Frauke Ohl & Nikolaos Kostomitsopoulos</i> 15.40 Weight development and serum biochemistry of rats offered hazelnuts as environmental enrichment - <i>Louise Christensen, Anne Mette Durand, Camilla Rasmussen, Karen Bentsen, Henrik Saxtorph & Peter Bollen</i> 16.00 Extending cage change intervals: The mouse perspective - <i>Pilar Browne</i> 16.20 Effect of the environmental enrichment on the daylight activity of gerbils - <i>Sandor Gyorgy Fekete, Akos Maroti-Agots & Eva Gyuris</i> 16.40 Guidelines and standards for drinking water quality: What kind of water should laboratory mice drink? - <i>Robert C Dysko, Carrie J Maute, Tara Cotroneo & Anna Hampton</i> 17.00 Evaluation of chronic effects of housing and enrichment on behaviour, physiology and immune system reactivity in C57BL/6 and BALB/c mice - <i>Patricia V Turner, Jelena Ovari, Amy Clipperton, Dorothee Bienzle, John Armstrong & Elena Choleris</i></p> | <p>Fennia I - W3 - <u>Implementing the 3Rs into facility routines.</u> <i>Jussi Helppi, Steven M Niemi, Rainer Post, Ronald Naumann</i> 15.30-17.30</p> | <p>Nordia -S6 - Scand-LAS 40 Years' Anniversary session & Annual meeting 15.10 Introduction - <i>Ann-Christine Eklöf</i> 15.15 Highlights from the early years of Scand-LAS - <i>Lars Wass / Otto Kugelberg</i> 15.45 The development of Laboratory Animal Science: Has Scand-LAS contributed to this development? A scientific review - <i>Axel Kornerup Hansen</i> 16.10 What have we achieved? Short comments from past and present presidents 16.30 Scand-LAS Annual meeting</p> | <p>Eliel-Selim - W8 <u>Beyond housing.....adding value with the 3Rs.</u> <i>Wolfgang Müller, Jörg Luft & Angela Bodey</i> 15.30-</p> |
| <p>Official reception</p> | | | |

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| <p>Europaesa -PS7 - Procedures on animals - less pain, more gain?</p> <p><i>Chair: IA Gomez de Segura & Michael Swindle</i></p> <p>8.30 What's new in analgesic therapy – <u>IA Gomez de Segura</u></p> <p>8.40 Perioperative and surgical techniques which minimize pain and distress in swine – <u>Michael Swindle</u></p> <p>8.55 How anesthesia can contribute to refinement of analgesiometric tests in laboratory animals – <u>MG Sommers, J van Egmond, JG Veening, KC Vissers & M Ritskes-Hoitinga</u></p> <p>9.20 How fentanyl and isoflurane contribute to surgical anesthesia by differential effects on pain processing in the brain – <u>MG Sommers, N Nguyen, JG Veening, J van Egmond, M Ritskes-Hoitinga & KC Vissers</u></p> <p>9.35 Reduction of the sevoflurane MAC by methadone, tramadol, butorphanol and morphine in the rat – <u>M Abreu, D Aguado, J Benito & I A Gómez de Segura</u></p> <p>9.50 Intravenous anaesthesia induction with alfaxalone without premedication in New Zealand rabbits – <u>JR Lima, C Calles, MS Carrasco-Jiménez, E Abellán, A Espinosa, MF Martín-Cancho, M García, D Celdrán & FM Sánchez-Margallo</u></p> <p>10.05 A novel method of oral endotracheal intubation utilizing endoscope for inhalation anesthetics in rabbits and small rodents – <u>Kazuo Yano & Tsutomu Miki Kurosawa</u></p> <p>10.20 Break</p> | <p>Fennia I - W5 - <u>Communication to the public about developments in animal research</u></p> <p><i>Frauke Ohl & Jan van der Valk</i></p> <p>8.15</p> <p>10.15 Break</p> | <p>Nordia - S7 - Innovative Medicines Initiative - better tools for better medicine</p> <p><i>Chair: David Smith</i></p> <p>8.15 Innovative Medicines Initiative: The EU at the forefront of novel R&D partnerships – <u>Michel Goldman</u></p> <p>8.45 Validating IMI through the FP6 integrated project `Predictive Toxicology` - PredTox - <u>Friedlieb Pfannkuch</u></p> <p>9.10 Qualification of safety biomarkers – <u>Ina Schuppe Koistinen & Michael Merz</u></p> <p>9.30 The 3Rs and the ECG – <u>Chris Pollard, H Prior, J Moors, J Schofield, K Philp, M Skinner, C Draper, N Abi Gerges, M Bridgland-Taylor, A Harmer, TG Hammond, P Laine & J-P Valentin</u></p> <p>10.05 Developing educational tools through the SafeSciMet project- <u>Axel Kornerup Hansen</u></p> <p>10.25 Break</p> <p><i>Sponsored by AstraZeneca</i></p> |
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| <p>Europaea - PS8 - Facility design and operation - green, automated and safe? <i>Chairs: Patrick Hardy & Alberto Gobbi</i></p> <p>10.40 Introduction – <u>Patrick Hardy</u> 10.45 Application of automation to the small washing area of an existing mouse facility - <u>Alberto Gobbi</u> & <u>Yubiry Garcia Carballo</u> 11.00 Mouse allergens in different areas of a large animal facility and comparison of four different caging types on allergen load - <u>Susan Bensch</u>, <u>Ingrid Sander</u>, <u>Monika Raulf-Heimsoth</u>, <u>Jörg Schmidt</u> & <u>Markus Brielmeier</u> 11.15 Highly repetitive operations carried out by animal facilities' wash room staff: a. Impact on psychological strain b. Impact on musculoskeletal burden – a. <u>J. Schmidt</u> & <u>S. Roscher</u>, b. <u>J. Schmidt</u>, <u>C Kiermayer</u>, <u>M Brütting</u> & <u>U Höhne-Hückstädt</u> 11.40 Ecodesign of products: continuous reducing of life cycle environmental impacts of (PSU) greener cages - <u>Vito D'Incognito</u> 11.55 Facility design and operational efficiency: Two case studies - <u>John J. Sharp</u>, <u>Cindy Buckmaster</u> & <u>Stephanie Barrett</u> 12.10 Discussion - all speakers 12.25 Lunch</p> | <p>Fennia I - PS9 - Non-human primates - value of models and progress with the 3Rs <i>Chair: Claudio Bernardi</i></p> <p>10.40 NHP models: Their value, and the Current EU Perspective on 3Rs (the SCHER Report) - <u>Claudio Bernardi</u> 11.00 International Primate Plan - <u>Joseph W. Kemnitz</u>, <u>Jeffrey Everitt</u>, <u>Kathryn Bayne</u>, <u>James Fox</u>, <u>Judy MacArthur Clark</u>, <u>Timo Nevalainen</u>, <u>Steve Barthold</u> & <u>Joanne Zurlo</u> 11.20 Genetic characterization of the Cynomolgus Macaque: A model for HIV/AIDS – <u>Nicola Rose</u> 11.40 Refining Feeding Routines for Macaques to decrease feeding competition and improve welfare - <u>C Waitt</u>, <u>M Bushmitz</u> & <u>P Honess</u> 11.55 Linking welfare and science: Ten years of welfare-positive housing and husbandry changes, and the effects on biological data of Cynomolgus Macaques used for regulatory toxicology - <u>Louisa Tasker</u>, <u>Janet Kelly</u> & <u>Hannah Buchanan-Smith</u> 12.10 Refinement of a primate model: Long-term enteral administration of drugs or nutritional supplementary by a subcutaneously implanted port - <u>Fabio Fante</u>, <u>N Baldan</u>, <u>GM De Benedictis</u>, <u>E Burcin</u>, <u>M Boldrin</u>, <u>L Furian</u>, <u>D Sgarabotto</u>, <u>L Cavicchioli</u>, <u>L Ravarotto</u>, <u>D Ramon</u>, <u>L Polito</u>, <u>A Barzon</u>, <u>R Aron-Badin</u>, <u>P Hantraye</u>, <u>P Rigotti</u>, <u>M Castagnaro</u>, <u>E Ancona</u> & <u>E Cozzi</u> 12.25 Training in Cynomolgus monkeys for the improvement in the quality of data in immunology research - <u>F Còrdoba</u>, <u>R Apolloni</u>, <u>R Baumgartner</u>, <u>JM Blum</u>, <u>A Cattini</u>, <u>A Kunkler</u> & <u>N Stuber</u> 12.40 Lunch</p> | <p>Nordia – W7 - <u>New generation GMOs from a laboratory animal perspective.</u> <i>Belen Pintado & Jan-Bas Prins</i></p> <p>10.40- 12.10 Break</p> |
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| <p>Europa - W6 - <u>Recognition and adequate reporting of clinical signs in laboratory animals</u></p> <p style="text-align: center;"><i>Martje Fentener van Vlissingen</i></p> <p>13.30-</p> <p>15.15 Break</p> | <p>Fennia I - S8 - Systematic reviews, including the enhanced 3Rs search</p> <p>Chairs: <i>Merel Ritskes-Hoitinga & Marlies Leenaars</i></p> <p>13.30 Systematic reviews (SR) lead to evidence-based Laboratory Animal Science – <i>Merel Ritskes-Hoitinga, Carlijn Hooijmans, Jo Curfs, Rob de Vries & Marlies Leenaars</i></p> <p>13.40 SRs of animal experiments: Current practice and methodology development – <i>Marlies Leenaars, Niek van Veggel, Carlijn Hooijmans, Rob de Vries & Merel Ritskes-Hoitinga</i></p> <p>14.00 A comparison to the clinical field: The Cochrane collaboration – <i>Rob JPM Scholten</i></p> <p>14.20 Journal editorial policies as a driver for change: Animal welfare and the 3Rs – <i>Nikki Osborne, Barry Phillips & Kerry Westwood</i></p> <p>14.40 SRs of laboratory animal experiments and publication bias – <i>Daniel Korevaar, Lotty Hooft & Gerben ter Riet</i></p> <p>14.50 Trends in the communication of advances in the use of animals in biomedical research through the scientific literature, science citation index and the internet – <i>Colin Dunn & Merel Ritskes-Hoitinga</i></p> <p>15.00 Enhancing effective 3Rs search by the CCAC – <i>Gilly Griffin, Nicole Fenwick & Eileen Denovan-Wright</i></p> <p>15.10 Improving implementation of 3R knowledge – outcome of a national workshop – <i>Judith van Lwijk, Yvonne Cuijpers, Lilian van der Vaart, Marlies Leenaars & Merel Ritskes-Hoitinga</i></p> <p>15.20 3R compliance, culture and consequences – <i>Aurora Bronstad & Anne-Grethe Trønsdal Berg</i></p> <p><i>Sponsored by Laboratory Animals LTD</i></p> <p>15.30 Break</p> | <p>Nordia – STL2</p> <p>Chair: Patrick Hardy</p> <p>13.20 Promotion of the 3Rs in a global vaccine company – <i>Thierry Decelle</i></p> <p style="text-align: center;">*****</p> <p>S9 - What's new in FELASA?</p> <p style="text-align: center;"><i>Chairs: Javier Guillen & Rudolf Pfister</i></p> <p>14.00 What is FELASA? – <i>Javier Guillen</i></p> <p>14.10 Accreditation of Health Monitoring – <i>Werner Nicklas</i></p> <p>14.20 FELASA recommendations for the education and training of laboratory animal technicians: Category A – <i>Juergen Weiss</i></p> <p>14.30 Guidelines for Continuing Education for Persons Involved in Animal Experiments – <i>Bob Ruane</i></p> <p>14.40 Rodent Identification – <i>Kristina Dahlborn</i></p> <p>14.50 Education of students in life sciences and medical sciences – <i>Ismene Dontas</i></p> <p>15.00 Refinement of methods for genotyping of genetically modified rodents – <i>Dolores Bonaparte</i></p> <p>15.10 Revision of Health Monitoring Recommendations – <i>Werner Nicklas</i></p> <p>15.30 Break</p> |

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| <p>Europaesa - PS10 - Procedures on animals - less pain, more gain? II <i>Chairs: IA Gomez de Segura & F Claire Hankenson</i> 16.00 Voluntary ingestion and resulting serum concentrations of buprenorphine in C57BL and BALB/c mice - <u>Kirsten Rosenmaj Jacobsen</u>, <u>Otto Kalliokoski</u>, <u>Klas Abelson</u> & <u>Jann Hau</u> 16.15 Improving the pharmacokinetics of buprenorphine through voluntary ingestion - <u>Otto Kalliokoski</u>, <u>Kirsten R. Jacobsen</u>, <u>Jann Hau</u> & <u>Klas SP Abelson</u> 16.30 Behavior and activity assessments of laboratory mice following tail biopsy under isoflurane anesthesia- <u>F. Claire Hankenson</u>, <u>Gillian C Braden-Weiss</u> & <u>Julie A Blendy</u> 16.45 Identification methods in newborn C57BL/6 mice: A developmental and behavioural evaluation – <u>MJ Castelhana-Carlos</u>, <u>N Sousa</u>, <u>F Ohl</u> & <u>V Baumans</u> 17.00 No effect of ketamine / midazolam anaesthesia in mice on consolidation or recall of a spatial task – <u>AM Valentim</u>, <u>IAS Olsson</u> & <u>LM Antunes</u> 17.15 Ethical and clinical challenges for establishing a novel, complex model for auditory research in the domestic ferret (<i>Mustela putorius furo</i>) - <u>CE Bergmann</u>, <u>A Isaiah</u>, <u>T Vongpaisal</u>, <u>AJ King</u> & <u>DE Hartley</u> 17.30 Body composition of small laboratory animals - Non-invasive vs. conventional methods - <u>N. Harishankar</u>, <u>P Sailaja</u>, <u>N Balakrishna</u>, <u>K Vijaya Radhakrishna</u> & <u>NV Giridharan</u></p> | <p>Fennia I - PS11 - Global and European animal welfare standards - where is the impact? <i>Chairs: Gemma Perretta & Lida Anestidou</i> 16.00 The European approach to animal welfare: What changes with the new directive? - <u>Gemma Perretta</u> 16.20 The animal welfare standards of the 2010 guide for the care and use of laboratory animals – <u>Lida Anestidou</u> 16.40 Animal welfare in Asia: The AAALAC International experience – <u>Kathryn Bayne</u> 17.00 Advocating the 3Rs through evidence-based guidelines that promote the wellbeing of animals used for scientific purposes - <u>Margaret Rose</u> & <u>Malcolm France</u> 17.20 Development of a worldwide 3Rs strategy in a global pharmaceutical company – <u>Gianni A Dal-Negro</u> & <u>Jeffrey Everitt</u> 17.40 Welfare of animals and employees in connection with slaughter or euthanasia of animals - <u>Sofia Wiberg</u>, <u>Bo Algers</u>, <u>Amelie Gamble</u>, <u>Stefan Gunnarsson</u>, <u>Tommy Gärling</u>, <u>Jan Hultgren</u>, <u>Christina Kolstrup</u>, <u>Henrik Lerner</u>, <u>Peter Lundqvist</u>, <u>Lennart Nordenfelt</u> & <u>Gill Widell</u></p> | <p>Nordia - W4- <u>Systematic reviews, including the enhanced 3Rs search.</u> 16.00-17.30 <i>Sponsored by Laboratory Animals LTD</i></p> | <p>Baltica - S10 - FELASA Training and Education Accreditation: How and Why? 15.45 Introductory remarks - <i>Patri Vergara</i> 16.00 Accreditation criteria - <i>Bryan Howard</i> 16.30 Achieving accreditation – <i>Delphine Grezel</i> 16.45 Moving to an European standard - <i>David Anderson</i> 17.00 General discussion and conclusions</p> |
| <p>Gala Dinner</p> | | | |

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New Paradigms in Laboratory Animal Science

A Joint FELASA/Scand-LAS symposium

Thursday, June 17 2010

Europaea - PS12 - [The European LAS Competition of 2010](#).

Chairs: *Ingrid Kohler & Marcel Gyger*

- 8.30 Improving the breeding performance of different mouse strains by use of commercially available nest boxes: A contribution to refinement and reduction? - [Angelika Scheideler](#) & [Jörg Schmidt](#)
- 8.45 The diet board – dietary restriction without disturbing diurnal rhythms - [I Kasanen](#), [K Inhilä](#), [E Savontaus](#), [V Kiviniemi](#), [J Hau](#) & [T Nevalainen](#)
- 9.00 preference of group-housed laboratory mice for different bedding material - [J Kirchner](#), [H Hackbarth](#), [HD Stelzer](#) & [P-P Tsai](#)
- 9.15 *Ex vivo* tumour sphere approach as a potential alternative method for tumour xenografts in preclinical drug efficacy assays - [LB Weiswald](#) & [V Dangles-Marie](#)
- 9.30 Reduction the gut microbiota variation to reduce inter-individual variation to reduce number of animals used - [Majbritt Ravn Hufeldt](#), [Merete Ellekilde Finn Kvist Vogensen](#), [Dennis Sandris Nielsen](#), [Tore Midvedt](#) & [Axel Kornerup Hansen](#)
- 9.45 Break
- 10.15 3 R - Reduction – deleting recovery control animals in non-rodent repeat dose toxicology studies saves 120 dogs yearly for AstraZeneca - [Kristian Königsson](#), [Sally Robinson](#) & [Hans Harleman](#)
- 10.30 Short-term impact of surgery on social interactions and activity rhythm in pair-housed female mice - [Paulin Jirkof](#), [Nikola Cesarovic](#), [Andreas Rettich](#) & [Margarete Arras](#)
- 10.45 Two start designs within animal models – means to reduce day-to-day variance and especially generate ED50 data whilst significantly reducing the number of animals used - [Helena Siller](#), [Brian Middleton](#) & [Christina Jacobson](#)
- 11.00 Improving implementation of 3R knowledge – which way to go? - [Judith van Luijk](#), [Yvonne Cuijpers](#), [Lilian van der Vaart](#), [Marlies Leenaars](#) & [Merel Ritskes-Hoitinga](#)
- 11.15 Improved design of animal experiments - [S van Buuren](#), [R Stoop](#) & [PLP Van Loo](#)

Fennia I - S11 - Transportation stress

Chairs: *Jann Hau & Klaas Kramer*

- 8.30 Introduction - [Jann Hau](#)
- 8.35 Effect of short transportation and transfer from group-housing to single-housing on body weight and fecal corticosterone metabolite excretion in male Sprague-Dawley rats - [KSP Abelson](#), [J Dahlin](#), [J Lam](#), [P Astuti](#), [H Siswanto](#) & [J Hau](#)
- 8.55 The impact of in-house transport on welfare and stress of laboratory rats - [Magda Castelhana-Carlos](#) & [Vera Baumans](#)
- 9.15 Transportation as major life event in rats. Effects on welfare and limits of adaptation - [Janneke Arts](#), [Frauke Ohl](#) & [Klaas Kramer](#)
- 9.35 Break
- 10.05 The use of radio-telemetry to assess the time needed to acclimatize guinea pigs following several hours of ground transport - [Klaas Kramer](#), [Sylvia Stemkens-Sevens](#), [Kees van Berkel](#)
- 10.25 Transport stress in Macaques: Assessment with a view to refine transportation - [Y Paramastri](#), [A Fernstrom](#), [W Sutian](#), [SS Fard](#), [A Klockars](#), [H-E Carlsson](#), [K Westlund](#), [T Nilsson](#), [J Pamungkas](#), [F Royo](#), [D Sajuthi](#), [SJ Schapiro](#) & [J Hau](#)
- 10.45 A study of behavioural responses of non-human primates to transport and re-housing - [Paul Honess](#), [Joseph Garner](#), [Carolina Marin](#) & [Sarah Wolfensohn](#)
- 11.05 Hematological changes in vervet monkeys (*Chlorocebus aethiops*) during eight months' adaptation to captivity - [JM Kagira](#), [M Ngotho](#), [JK Thuita](#), [NW Maina](#) & [J Hau](#)
- 11.25 Effects of transport and relocation on physiological parameters in nonhuman primates - [SJ Schapiro](#), [SP Lambeth](#), [LE Williams](#), [K Rosenmaj Jacobsen](#), [BN Nehete](#) & [PN Nehete](#)

Nordia - W9 - [Ethical footprint of animal studies](#)

Anna Olsson & Aurora Brønstad & Rony Kalman
8.30-

Sponsored by the Cooperation Group for Laboratory Animal Science within the Finnish Ministry of Education, Science and Culture

12.30- 13.00 Closing / Europaea

- Best poster awards – Scand-LAS / Results of the European LAS Competition of 2010 – [Ingrid Kohler](#) & [Marcel Gyger](#)
- Invitations to 8th World Congress on Alternatives and Use of Animals in Life Sciences - [Gilly Griffin](#)
- Invitation to 12th FELASA Symposium – [Patri Vergara](#) / Closing remarks – [Javier Guillen](#), FELASA president

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S - Seminar, PS - Platform session, STL - Special topic lecture, W - Workshop