

Health and Welfare of Dairy Animals

PROGRAMME
of the
FIRST DAIRYCARE CONFERENCE 2014

Copenhagen, August 22nd and 23rd 2014



COST FA1308
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Programme for the First DairyCare Conference, Copenhagen

Friday, 22nd August

09:30	Registration and Coffee, Orangeriet Lobby	
10:30	Session 1, Orangeriet	
10:30	1.1	Welcome Chris Knight <i>University of Copenhagen, Denmark</i>
10:45	1.2	Plenary Overview: What data do we need in dairy cattle welfare assessment? Christoph Winckler <i>University of Natural Resources and Life Sciences Vienna, Austria</i>
11:30	Coffee, Orangeriet Lobby	
11.45	1.3	Poster Introduction session, Orangeriet <i>(see separate programme at end)</i>
12.45	Lunch and Posters, Orangeriet Lobby	
13.30	Session 2: Joint Session, Orangeriet Chair: Lena Lidfors, Sweden	
13.30	2.1	Invited: What data can we get: the Potential for 'Omics in Dairy Care David Eckersall <i>University of Glasgow, UK</i>
14:10	2.2	Robotic challenges in non-invasive sampling of biomarkers Ole Ravn <i>DTU Elektro, DTU, Denmark</i>
14:25	2.3	Development of on-farm test for Bovine herpesvirus-1 <u>Alan O'Riordan, Riona Sayers</u> <i>Tyndall National Institute - University College Cork., Ireland</i>
14.40	2.4	Danish animal welfare index for dairy cattle and calves <u>Sine N Andreasen, Anne Marie Michelsen, Marlene K Kirchner, Björn Forkman</u> <i>University of Copenhagen, Denmark</i>
14:55	2.5	Activity level and lying behavior of dairy cows during a 10d period after naturally occurring clinical mastitis <u>Katrine K. Fogsgaard, Torben W. Bennedsgaard, Mette S. Herskin</u> <i>Aarhus University, Denmark</i>
15:10	2.6	A novel approach for remote monitoring of heart beat rate, respiratory rate and chewing activity in cows <u>Yevgeny Beiderman, Ilan Halachmi, Zeev Zalevsky</u> <i>ARO, Israel</i>
15:30	Coffee and Refreshments	
16:00	Sessions 3, 4 and 5 Parallel WG Sessions (see separate programme on facing page)	
17:30	Close of Friday Scientific Sessions	
19:30	Conference Dinner	

16:00	Session 3: WG1 Parallel Session, Physiology Lecture Room (A1-05.01) Chair: Gianfranco Gabai, Italy	
16:00	3.1	Invited: Changes in milk proteome and metabolome associated with cow health <u>Kasper Hettinga</u> , Elsa Antunes Fernandes, Toon van Hooijdonk, Jacques Vervoort <i>Wageningen University, The Netherlands</i>
16:45	3.2	Use of milk infrared spectra as animal health and welfare indicators <u>Tesfaye K Belay</u> and Tormod Ådnøy Norwegian University of Life Sciences, Norway
17:00	3.3	Monitoring of subclinical ketosis in Poland, based on monthly milk recording <u>Zygmunt M. Kowalski</u> , Krzysztof Stoniewski, Wojciech Jagusiak, Artur Płyta, Paweł Górka <i>University of Agriculture in Krakow, Poland</i>
17:15	3.4	First characterization of the goat mammary gland mitochondrial proteome Graziano Cugno, Lorenzo Hernandez-Castellano, Sebastian Planchon, Noemí Castro, Anastasio Arguello, Jenny Renaut, Juan Capote, Alexandre Campos, <u>André M. Almeida</u> <i>IBET, IICT, CIISA- Univ. Nova de Lisboa, Oeiras, Portugal.</i>
16:00	Session 4: WG2 Parallel Session, Orangeriet Chair: Vivi Thorup, France	
16:00	4.1	Invited: State of the art of automated activity measuring technologies, and how to accelerate technology development Matti Pastell <i>MTT Helsinki, Finland.</i>
16:45	4.2	Gaitwise, an automated detection system for lameness in dairy cattle <u>Annelies Van Nuffel</u> , Stephanie Van Weyenberg, Bart Sonck, Bart De Ketelaere, Tim Van De Gucht, Koen Mertens, Jürgen Vangeyte, Wouter Saeys <i>ILVO, Belgium</i>
17:00	4.3	Usage of tri-axial acceleration of the hindleg for recognizing sheep behavior <u>Miroslav Radeski</u> , Vlatko Ilieski <i>Faculty of Veterinary Medicine, Skopje, Macedonia</i>
17:15	4.4	Use of automated activity, temperature and rumination and rumen pH boluses to assess the effect of maintaining dairy cows on pasture full time or intermittently <u>Jean Margerison</u> , C Reed, M Hedley, C Christensen <i>Massey University, New Zealand</i>
16:00	Session 5: WG3 Parallel Session, Anatomy Lecture Room (A1-04.01) Chair: Ivan Andonovic, UK	
16:00	5.1	Invited: In-line milk analysis and identification of health and reproduction events Jens Yde Blom <i>Lattec I/S, Denmark</i>
16:45	5.2	What is behind mastitis treatment registrations? <u>Line Svennesen</u> , Carsten Enevoldsen, Ilka C Klaas <i>University of Copenhagen, Denmark</i>
17:00	5.3	Improving ventilation efficiency in dairy cattle buildings using computational fluid dynamic tools <u>Thomas Bartzanas</u> , Guoqiang Zhang, Tomas Norton <i>CERTH, Greece</i>
17:15	5.4	Separating normal from abnormal in a lameness detection model <u>Annelies Van Nuffel</u> , Tim Van De Gucht, Stephanie Van Weyenberg, Bart Sonck, Geert Opsomer, Bart De Ketelaere, Koen Mertens, Jürgen Vangeyte, Wouter Saeys <i>ILVO, Belgium</i>

Programme for the First DairyCare Conference, Copenhagen

Saturday, 23rd August

08:30	Sessions 6, 7 and 8 Parallel WG Sessions (see separate programme on facing page)	
10:00	Coffee, Orangeriet Lobby	
10:15	Session 9: Joint Session, Orangeriet Chair: Bruno Stefanon, Italy	
10:15	9.1	Feeding Behavior <u>Ilan Halachmi</u> , Ephraim Maltz <i>ARO, Israel</i>
10:30	9.2	On-farm near infrared (NIR) analysis to improve feeding management in dairy farms Paolo Berzaghi <i>Universita de Padova, Italy</i>
10:45	9.3	Many factors affect the preference of high-yielding dairy cows for pasture vs cubicle housing <u>S. Mark Rutter</u> , Priya R. Motupalli, Gemma L. Charlton <i>Harper Adams University, UK</i>
11:00	9.4	Automatic recording of behavior Lene Munksgaard <i>Aarhus University, Denmark</i>
11:15	ESR Forum Elections, Orangeriet	
11:30	9.5	Poster Introduction session, Orangeriet (see separate programme at end)
12:30	Lunch and Posters, Orangeriet Lobby	
13:30	Session 10: Joint Plenary Session, Orangeriet Chair: Gert Bruggeman, Belgium	
13:30	10.1	Invited: Towards a systemic use of precision livestock measures and precision phenotyping in dairy herds <u>Nic Friggens</u> , Vivi Thorup <i>INRA AgroParisTech, France</i>
14:15	10.2	Invited: Welfare standards and precision livestock measures in dairy sheep and goat farms Caja, G. <i>University Autonoma of Barcelona, Spain.</i>
14:30	Session 11: Road-Mapping Joint Session, Orangeriet Chair: Chris Knight, Denmark	
15:30	Coffee, Refreshments and Close of Scientific Meeting	
16:00	Second DairyCare Management Committee Meeting, Orangeriet	
19.30	Canal Cruise, Nyhavn	

08:30	Session 6: WG1 Parallel Session, Physiology Lecture Room (A1-05.01) Chair: Marcela Speranda, Croatia	
08:30	6.1	Invited: The relevance of adipokines as biomarkers for metabolic health in dairy cows Helga Sauerwein <i>University of Bonn, Germany</i>
09:15	6.2	Telomere length: any perspective as a biomarker for longevity in dairy cows? <u>Susanne Häussler</u> , Lilian Laubenthal <i>University of Bonn, Germany</i>
09:30	6.3	Differential expression of mammary epithelial cells as possible biomarker of stage of lactation and mammary gland functionality in dairy cow <u>Mario Baratta</u> , Eugenio Martignani, Andrea Formigoni, Giovanna Galeati, Lucia Bailoni, <i>University of Torino, Italy</i>
09:45	6.4	Evaluation of salivary cortisol as a biomarker for plasma cortisol during ACTH challenge and at variable salivary consistency <u>Josef J. Gross</u> , Rahel S. Zbinden, Chantal Philipona, Chris Knight, Rupert M. Bruckmaier <i>University of Bern, Switzerland</i>
08:30	Session 7: WG2 Parallel Session, Orangeriet Chair: Lene Munksgaard, Denmark	
08:30	7.1	Invited: Adopting automated activity measuring technologies on farm, what to do and what not to do, with special focus on economics <u>Jeffrey M Bewley</u> , R A Russell, M R Borchers <i>University of Kentucky, USA</i>
09:15	7.2	Automatic Classification of Eating and Ruminating in Cattle Using Accelerometer Signatures <u>Craig Michie</u> , J Konka, I Andonovic <i>University of Strathclyde, UK</i>
09:30	7.3	Assessing cattle personality and welfare in dairy cattle through activity monitors: fear and social behaviours R D MacKay, Kees van Reenen, <u>Marie J Haskell</u> <i>SRUC, UK</i>
09:45	7.4	Translating individual on-line sensors data into animal welfare parameters <u>Ephraim Maltz</u> , Ilan Halachmi <i>ARO, Israel</i>
08:30	Session 8: WG3 Parallel Session, Anatomy Lecture Room (A1-04.01) Chair: Rupert Bruckmaier, Switzerland	
08:30	8.1	Invited: The importance of high quality and consistent dairy farm management data for dairy farm advisors Fernando Mazeris <i>Dairy Data Warehouse (DDW), The Netherlands</i>
09:15	8.2	Research towards successful application of PLF in dairy farms <u>Stephanie Van Weyenberg</u> , Liesbet Pluym, Koen Mertens, Tim Van De Gucht, Jürgen Vangeyte, Annelies Van Nuffel, <i>ILVO, Belgium</i>
09:30	3.3	Longitudinal study of comfort around resting and its correlation with reproductive efficiency in dairy cows in Southern Spain. <u>Laura Molina</u> , Estrella Agüera, Jose María Sánchez, Carlos C Pérez-Marín <i>University of Cordoba, Campus de Rabanales</i>
09:4	8.4	Analysing data at the herd level to optimise individual animal interventions: applications to parasite control and rumen pH monitoring <u>Matthew J Denwood</u> , Giles T Innocent, Iain McKendrick, Joachim L Kleen, Nick Jonsson <i>University of Copenhagen, Denmark</i>

Friday 22nd August

Friday 22 nd August		
11.45	Session 1.3, Poster Introductory Session, Orangeriet	
11.45	1.3.1	Massimo Amadori , <i>IZSLER, Brescia, Italy</i>
	1.3.2	David Arney , Hanno Jaakson, Merike Henno, Andres Valdmann, Katri Ling. <i>Estonian University of Life Sciences, Estonia</i>
	1.3.3	Karin Artursson , Mikaela Magnusson, Jonas Tallkvist, Jenny Schelin, Jonas Bergquist <i>National Veterinary Institute, Uppsala, Sweden</i>
	1.3.4	Cristiano Bello, Massimo Reverberi, Corrado Fanelli, Annaadele Fabbri, Marzia Scarpari, Chiara Dall'Asta, Federico Righi, Alessandra Angelucci , Luigi Bertocchi. <i>IZSLER, Brescia, Italy</i>
11.55	1.3.5	Christian Pahl, Angelika Haeussermann , Anne Grothmann, Katrin Mahlkow-Nerge, Eberhard Hartung <i>Christian-Albrechts-University Kiel, Germany. Note: this Abstract cannot be presented</i>
	1.3.6	Tina Bobić , Pero Mijić, Marcela Šperanda, Vesna Gantner <i>Faculty of Agriculture in Osijek, Croatia</i>
	1.3.7	Marta Brsic , Isabella Lora, Paolo Paparella, Barbara Contiero, Giulio Cozzi, Flaviana Gottardo <i>University of Padova, Italy</i>
	1.3.8	Knut E Bøe , Lars E Ruud <i>Norwegian University of Life Sciences, Norway</i>
12.05	1.3.9	Cetinkaya Nurcan, Yaman Sema , Nadide Hulya Ozdemir Baberaa <i>Turkish Atomic Energy Authority, Ankara, Turkey</i>
	1.3.10	Mislav Didara , Marcela Speranda, Mirela Pavic <i>Faculty of Agriculture in Osijek, Croatia</i>
	1.3.11	Manuela Falk , Andreas Mürnger, Rupert M Bruckmaier, Frigga Dohme-Meier <i>Agroscope, Posieux, Switzerland To be presented on Saturday</i>
	1.3.12	A Fischer, Luginbühl, L Delattre, J M Delouard, P Faverdin <i>INRA St-Gilles, France</i>
12.15	1.3.13	Francesca Fusi , Giorgio Zanardi, Giuseppe Bolzoni, Alessandra Angelucci, Valentina Lorenzi, Matteo Donati, Luigi Bertocchi <i>IZSLER Brescia, Italy</i>
	1.3.14	Gianfranco Gabai , Massimiliano Magroa, Davide Baratella, Giovanni Miotto, Laura Da Dalta, Fabio Vianelloa <i>University of Padova, Italy.</i>
	1.3.15	O Guzhva , A Herlin, H Ardö, M Nilsson, K Åström, C Bergsten <i>Swedish University of Agricultural Sciences, Alnarp,, Sweden.</i>
	1.3.16	Harald M Hammon , Claudia Weber, Claudia Reiko, Monika Röntgen, Björn Kuhla <i>Leibniz Institute, Dummerstorf, Germany</i>
12.25	1.3.17	Seija Jaakkola, Tuomo Kokkonen , Marjo Toivonen, Lea Puumala <i>University of Helsinki, Finland</i>
	1.3.18	Vishnu R Kale , Umesh B Sontakke, Sukhjinderjit Singh <i>National Dairy Research Institute, Karnal-132001, India</i>
	1.3.19	Aideen Kennedy, Ana da Silva, Noel Byrne, Riona Sayers <i>Teagasc, Moorepark, Ireland</i>
	1.3.20	Danijela Kirovski , Tomaž Snoj, Sreten Nedić, Drago Nedić, Nina Čebulj-Kadunc, Silvestra Kobal <i>University of Belgrade, Serbia</i>
12.35	1.3.21	Ilka C Klaas , E Garcia, J M Amigo, R Bro, K König, B H Allesen-Holm, C Enevoldsen <i>University of Copenhagen, Denmark</i>
	1.3.22	Joana R Lérias, Raquel Peña, Lorenzo E Hernández-Castellano, Susana S Araújo, Noemi Castro, Anastacio Argüello, Juan Capote., Yolanda Saco, Anna Bassols, André M Almeida <i>IICT Lisboa, Portugal</i>
	1.3.23	Kees Lokhorst <i>Agora 1 8934CJ Leeuwarden, The Netherlands</i>

Saturday 23rd August

Saturday 23 rd August		
11.30	Session 9.5 , Poster Introductory Session, Orangeriet	
11.30	9.5.1	C Reed, J K Margerison , M Hedley, C Christensen, N Butcher, H Liefink <i>Massey University, NZ</i>
	9.5.2	J K Margerison , J Lau, M Hedley, D Horne, J Hanly, N Brown, A Shilton, <i>Massey University, NZ</i>
	9.5.3	Lindsay R. Matthews , Elizabeth Berry, Maria Devant Guille, Christa Egger-Danner, Pierre-Louis Gastinel, Daniel Lefevre, Luc Mirabito, Kathrin F. Stock, Alessia Tondo <i>University of Muenster, Germany</i>
	9.5.4	Christopher Davison, Jakub Konka, Craig Michie , Christos Tachtatzis, Ivan Andonovic, Dave Ross*, Carol- Anne Duthie <i>University of Strathclyde, UK</i>
11.40	9.5.5	Jelena B Miocinovic , Renata Relic, Predrag D Pudja Nemanjina 6, Belgrade, Serbia
	9.5.6	Mariana Palma , André M. de Almeida, Manolis Matzapetakis <i>I.T.Q.B., Universidade Nova de Lisboa, Portugal</i>
	9.5.7	José R Parreira , Joana R Lérias, Susana S Araújo, André M Almeida <i>I.B.E.T., Oeiras, Portugal</i>
	9.5.8	Christina A Petersen, Carsten Ridder, Kristina Nielsen, John M Christensen , Jens Y Blom <i>Lattec, Hillerød, Denmark</i>
11.50	9.5.9	C C Pérez-Marín , L Molina, J M Sánchez, E Agüera <i>University of Cordoba, Spain</i>
	9.5.10	Cristina C Pinheiro , Elsa Lamy, Alfredo Pereira <i>ICAAM, Évora, Portugal</i>
	9.5.11	Gina Cecilia Pistol , Mihail Alexandru Gras, Ionelia Taranu, Catalin Dragomir <i>INCDBNA, Ilfov, Romania</i>
	9.5.12	Liesbet Pluym, Stephanie Van Weyenberg , Emily De Busser, Ben Aernouts, Tjebbe Huybrechts, Annelies Van Nuffel, Wouter Saey <i>Merelbeke, Belgium</i>
12.00	9.5.13	N Qin , S Selim, T Seppänen-Laakso, M Hilvo, J Taponen, S Salin, A Vanhatalo, K Elo, T Kokkonen <i>University of Helsinki, Finland</i>
	9.5.14	Miroslav Radeski, Katerina Blagoevska, Aleksandar Janevski, Martin Nikolovski, Vladimir Petkov, Lazo Pendovski, Vlatko Ilieski <i>Animal Welfare Center, Faculty of Veterinary Medicine, Skopje, Macedonia</i>
	9.5.15	S K Sahu , J F Cockrem, T J Parkinson, R A Laven <i>Massey University, New Zealand</i>
	9.5.16	Misa Sandri , Bruno Stefanon, Juan J Loor <i>University of Udine, Italy</i>
12.10	9.5.17	Sandy Sgorlon, Marta Fanzago, Denis Guiatti, Giuseppe Stradioli, Erminio Trevisi, Bruno Stefanon <i>University of Udine, Italy</i>
	9.5.18	Umesh Sontakke <i>National Dairy Research Institute, Karnal, India</i>
	9.5.19	Evangelia N Sossidou , Sonia Vázquez-Flores, Moniek van Gastel, Frank van Eerdenburg <i>Veterinary Research Institute, Thessaloniki, Greece</i>
	9.5.20	Jože Starič , Martina Klinkon, Jožica Ježek <i>University of Ljubljana, Slovenia</i>
12.20	9.5.21	S Talukder, K L Kerrisk, G Gabai , A Fukutomi, P Celi <i>The University of Sydney, Australia</i>
	9.5.22	V M Thorup , L Munksgaard, P-E Robert, H W Erhard, N C Friggens <i>INRA, AgroParisTech, France</i>
	9.5.23	Tim Van De Gucht, Frank Willem Oudshoorn, Thomas Bartzanas, Nicholas M Holden, Mikko Järvinen, Allan Leck Jensen, Ludwig Lauwers, Leen Vandaele, Wouter Saey, Annelies Van Nuffel , Claus A G Sørensen <i>Agricultural Research Institute, Belgium</i>