

New science, new practices

International Cow Fertility Conference

Castlecourt Hotel

Westport, Mayo, Ireland

Sunday 18 - Wednesday 21 May 2014



Helping to tackle the major challenge facing farmers and animal health professionals around the world

Effective reproduction of dairy and beef cattle is critical to global food production and the economic success of cattle farms.

With the average dairy and beef cow surviving only three to five lactations respectively, good fertility is the major challenge facing farmers and animal health professionals around the world.

This international event will address the issues that will enable the improvement of cow fertility in beef and milk herds whilst maintaining animal health and welfare.

Bringing together world experts, the conference will explore the role of nutrition, management, genetics, disease and new technologies in improving cow fertility.

A series of workshops will also look at the practical side of fertility, including uterine health, superovulation and embryo transfer, the breeding bull, dry period nutrition, synchronisation and programmes for identifying and monitoring herd fertility.

Jointly hosted by:



18 - 21 May 2014
Put the date in your diary now!



Offers for oral and poster presentations welcome



For more details and information, go to www.bsas.org.uk/events

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International Cow Fertility Conference

Westport, Mayo, Ireland • Sunday 18 - Wednesday 21 May 2014

Topics to be covered:

- Global fertility trends
- Optimising reproductive performance in beef cows and replacement heifers
- Cyclicity post-calving (Uterine tract recovery, immune response and coping with infection)
- The embryo-maternal dialogue
- Progesterone - embryo survival and pregnancy loss
- Heifer fertility for life-time production
- Genetic improvement
- Expression and detection of oestrus - new technologies
- Semen sexing - current technologies, application and cost benefits
- Better semen diluents
- Fertility Management programmes and herd monitoring to optimise fertility

Speakers include:

Michael G Diskin, Stephen Butler, Mark Crowe, Pat Lonergan, Donagh Berry, Laurence Shalloo, Ian Hutchinson, Stephen Carrington (Ireland), Claire Wathes, Rob Smith (UK) Jim Drackley, Milo Wiltbank, Matt Lucy, Paul Fricke, George Seidel, Jose Santos, Victor Cabrera (USA), Gabriel Bo (Argentina), Scott McDougall (New Zealand), Steve LeBlanc (Canada)

Plus workshops including:

- Uterine infection
- Dry cow nutrition
- Breeding soundness examination of the Bull
- Synchronisation and ovulation control regimens
- Superovulation and embryo transfer



And special symposium:

What have "omics" contributed to our understating of cow fertility?



Conference location:

Westport is a picturesque town on the west coast of Ireland.

Overlooked by Croagh Patrick, Ireland's most famous mountain, the town is renowned for its fantastic scenery and Georgian architecture, including Westport House - regarded as Ireland's most beautiful stately home.

Westport is only 45 minutes from Knock Airport. There are also daily train services to Westport from Dublin which is 3 hours by road.



World's Poultry Science Journal

Published on behalf of The World's Poultry Science Association

Editor

Lucy Waldron, *LWT Animal Nutrition Ltd, New Zealand*

World's Poultry Science Journal provides authoritative reviews in poultry science and an international forum for the exchange and dissemination of information including research, education and industry organisation. Each issue includes poultry industry-related news, regional reports on global developments in poultry, reports from specialist scientific working groups, book reviews, association news and a calendar of forthcoming events.

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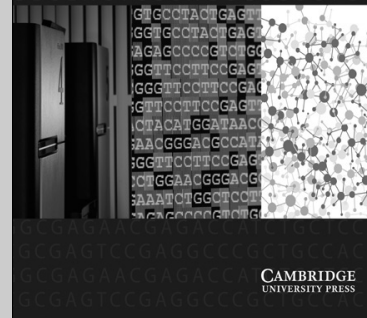
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- Westreicher-Kristen, E., Steingass, H. and Rodehutschord, M.*
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- Silberberg, M., Chaucheyras-Durand, F., Commun, L., Mialon, M. M., Monteils, V., Mosoni, P., Morgavi, D. P. and Martin, C.*
 Repeated acidosis challenges and live yeast supplementation shape rumen microbiota and fermentations and modulate inflammatory status in sheep 1910
- Vargas-Magaña, J. J., Aguilar-Caballero, A. J., Torres-Acosta, J. F. J., Sandoval-Castro, C. A., Hoste, H. and Capetillo-Leal, C. M.*
 Tropical tannin-rich fodder intake modifies saliva-binding capacity in growing sheep 1921
- Martínez-Fernández, G., Abecia, L., Martín-García, A. I., Ramos-Morales, E., Hervás, G., Molina-Alcaide, E. and Yáñez-Ruiz, D. R.*
In vitro–in vivo study on the effects of plant compounds on rumen fermentation, microbial abundances and methane emissions in goats 1925
- Warner, D., Dijkstra, J., Tamminga, S. and Pellikaan, W. F.*
 Passage kinetics of concentrates in dairy cows measured with carbon stable isotopes 1935
- Grilli, E., Gallo, A., Fustini, M., Fantinati, P. and Piva, A.*
 Microencapsulated sodium selenite supplementation in dairy cows: effects on selenium status 1944
- Panyakaew, P., Boon, N., Goel, G., Yungklang, C., Schonewille, J. Th., Hendriks, W. H. and Fievez, V.*
 Effect of supplementing coconut or krabok oil, rich in medium-chain fatty acids on ruminal fermentation, protozoa and archaeal population of bulls 1950

Physiology and functional biology of systems

- Headon, D.*
 Systems biology and livestock production 1959
- Farmer, C.*
 Suckling effects in sows: importance for mammary development and productivity 1964
- Saviotto, D., Cervera, C., Blas, E., Baselga, M., Larsen, T., Friggens, N. C. and Pascual, J. J.*
 Environmental sensitivity differs between rabbit lines selected for reproductive intensity and longevity 1969
- Willems, S. A., De Vos, M., Huygelen, V., Franssen, E., Tambuyzer, B. R., Casteleyn, C., Van Cruchten, S. and Van Ginneken, C.*
 Ghrelin in the gastrointestinal tract and blood circulation of perinatal low and normal weight piglets 1978
- Weller, M. M. D. C. A., Alebrante, L., Campos, P. H. R. F., Saraiva, A., Silva, B. A. N., Donzele, J. L., Oliveira, R. F. M., Silva, F. F., Gasparino, E., Lopes, P. S. and Guimarães, S. E. F.*
 Effect of heat stress and feeding phosphorus levels on pig electron transport chain gene expression 1985
- Ren, Y., Shan, T. Z., Zhu, L. N., Wu, T., Guo, J. and Wang, Y. Z.*
 Effect of breed on the expression of Sirtuins (Sirt1-7) and antioxidant capacity in porcine brain 1994
- Decaluwé, R., Maes, D., Declerck, I., Cools, A., Wuyts, B., De Smet, S. and Janssens, G. P. J.*
 Changes in back fat thickness during late gestation predict colostrum yield in sows 1999
- von Leesen, R., Tetens, J., Junge, W. and Thaller, G.*
 Mathematical approaches to detect low concentrations in progesterone profiles 2008

Behaviour, welfare and health

- Merlot, E., Quesnel, H. and Prunier, A.*
 Prenatal stress, immunity and neonatal health in farm animal species 2016
- Kammersgaard, T. S., Malmkvist, J. and Pedersen, L. J.*
 Infrared thermography – a non-invasive tool to evaluate thermal status of neonatal pigs based on surface temperature 2026
- Prunier, A., Brillouët, A., Merlot, E., Meunier-Salaün, M. C. and Tallet, C.*
 Influence of housing and season on pubertal development, boar taint compounds and skin lesions of male pigs 2035
- Bartolomé, E., Sánchez, M. J., Molina, A., Schaefer, A. L., Cervantes, I. and Valera, M.*
 Using eye temperature and heart rate for stress assessment in young horses competing in jumping competitions and its possible influence on sport performance 2044

Farming systems and environment

- Duncan, A. J., Teufel, N., Mekonnen, K., Singh, V. K., Bitew, A. and Gebremedhin, B.*
 Dairy intensification in developing countries: effects of market quality on farm-level feeding and breeding practices 2054

Product quality, human health and well-being

- Guerrero, A., Sañudo, C., Albertí, P., Ripoll, G., Campo, M. M., Olleta, J. L., Panea, B., Khlijji, S. and Santolaria, P.*
 Effect of production system before the finishing period on carcass, meat and fat qualities of beef 2063

List of reviewers

- Reviewers of *Animal* for 2013 2073

