

CAMBRIDGE

JOURNALS

Advertise in Cambridge Journals

To advertise in this journal and for details of pricing, availability and discount opportunities please contact:

Advertise here

With over 250 titles to choose from our extensive list of journals ensures you will always find your suitable target audience. Our journals span over 32 subject areas, ranging from Agriculture, Archaeology and Anthropology, Nutrition, to Psychology and Cognitive Science, Religion and Social Studies. Print advertising, inserts and banner advertising are available for a majority of our titles.

To access Cambridge Journals please visit:
journals.cambridge.org

 CAMBRIDGE UNIVERSITY PRESS

Go Mobile

CJO Mobile (CJOM) is a streamlined Cambridge Journals Online (CJO) for smartphones and other small mobile devices

- Use CJOM to access all journal content including FirstView articles which are published online ahead of print
- Access quickly and easily thanks to simplified design and bw resolution images
- Register for content alerts or save searches and articles – they will be available on both CJO and CJOM
- Your device will be detected and automatically directed to CJOM via: journals.cambridge.org

 CAMBRIDGE UNIVERSITY PRESS

Advertising in UK, Europe and Rest of World

The Advertising Sales Team
Cambridge University Press
The Edinburgh Building,
Shaftesbury Road,
Cambridge, UK, CB2 8RU
Tel: +44 (0) 1223 325083
Email: ad_sales@cambridge.org

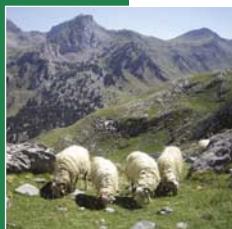
Advertising in the Americas

Journals Advertising Coordinator
32 Avenue of the Americas,
New York, NY 10013-2473, USA
Tel: +1 (212) 337 5053
Fax: +1 (212) 337 5959
Email: usadsales@cambridge.org



CAMBRIDGE
UNIVERSITY PRESS

CONTENTS



61th EAAP Annual Meeting, 2010, Heraklion, Greece: 10th International Workshop on Biology of Lactation in Farm Animals (BOLFA) and Session "Evolution of mammary gland and milk secretion: consequences for lactation in farm animals"	
<i>Stelwagen, K. and Bruckmaier, R. M.</i>	353
Foreword: Lactation biology	
<i>Oftedal, O. T.</i>	
The evolution of milk secretion and its ancient origins	355
<i>Urashima, T., Fukuda, K. and Messer, M.</i>	
Evolution of milk oligosaccharides and lactose: a hypothesis	369
<i>Singh, K., Molenaar, A. J., Swanson, K. M., Gudex, B., Arias, J. A., Erdman, R. A. and Stelwagen, K.</i>	
Epigenetics: a possible role in acute and transgenerational regulation of dairy cow milk production	375
<i>Capuco, A. V., Choudhary, R. K., Daniels, K. M., Li, R. W. and Ecock-Clover, C. M.</i>	
Bovine mammary stem cells: cell biology meets production agriculture	382
<i>Plaut, K. and Casey, T.</i>	
Does the circadian system regulate lactation?	394
<i>Collier, R. J., Annen-Dawson, E. L. and Pezeshki, A.</i>	
Effects of continuous lactation and short dry periods on mammary function and animal health	403
<i>Wheeler, T. T., Smolenski, G. A., Harris, D. P., Gupta, S. K., Haigh, B. J., Broadhurst, M. K., Molenaar, A. J. and Stelwagen, K.</i>	
Host-defence-related proteins in cows' milk	415
<i>Purup, S. and Nielsen, T. S.</i>	
Cell-based models to test the effects of milk-derived bioactives	423
Breeding and genetics	
<i>Wetten, M., Ødegård, J., Vangen, O. and Meuwissen, Th. H. E.</i>	
Simultaneous estimation of daily weight and feed intake curves for growing pigs by random regression	433
<i>Krupová, Z., Wolfová, M., Krupa, E., Oravcová, M., Daňo, J., Huba, J. and Polák, P.</i>	
Impact of production strategies and animal performance on economic values of dairy sheep traits	440
Nutrition	
<i>Lin, L. J., Zhu, X. Y., Jiang, C., Luo, H. L., Wang, H., Zhang, Y. J. and Hong, F. Z.</i>	
The potential use of n-alkanes, long-chain alcohols and long-chain fatty acids as diet composition markers: indoor validation with sheep and herbage species from the rangeland of Inner Mongolia of China	449
<i>Zened, A., Enjalbert, F., Nicot, M. C. and Troegeler-Meynadier, A.</i>	
In vitro study of dietary factors affecting the biohydrogenation shift from <i>trans</i> -11 to <i>trans</i> -10 fatty acids in the rumen of dairy cows	459
<i>González, J., Arroyo, J. M., Ouarti, M., Guevara-González, J., Rodríguez, C. A., Alvir, M. R., Moya, V. J. and Piquer, O.</i>	
Composition of free and adherent ruminal bacteria: inaccuracy of the microbial nutrient supply estimates obtained using free bacteria as reference samples and ¹⁵ N as the marker	468
Physiology and functional biology of systems	
<i>Cutullic, E., Delaby, L., Gallard, Y. and Disenhaus, C.</i>	
Towards a better understanding of the respective effects of milk yield and body condition dynamics on reproduction in Holstein dairy cows	476
<i>Zhao, K., Liu, H. Y., Wang, H. F., Zhou, M. M. and Liu, J. X.</i>	
Effect of glucose availability on glucose transport in bovine mammary epithelial cells	488
Behaviour, welfare and health	
<i>Mainau, E., Ruiz-de-la-Torre, J. L., Dalmau, A., Salleras, J. M. and Manteca, X.</i>	
Effects of meloxicam (Metacam [®]) on post-farrowing sow behaviour and piglet performance	494
<i>Strappini, A. C., Franken, K., Metz, J. H. M., Gallo, C. and Kemp, B.</i>	
Characteristics of bruises in carcasses of cows sourced from farms or from livestock markets	502
<i>Ferrari, A., Weill, F. S., Paz, M. L., Cela, E. M., González Maglio, D. H. and Leoni, J.</i>	
Activity modulation of microbial enzymes by llama (<i>Lama glama</i>) heavy-chain polyclonal antibodies during <i>in vivo</i> immune responses	510
Farming systems and environment	
<i>Martin, C., Koolaard, J., Rochette, Y., Clark, H., Jouany, J. P. and Pinares-Patiño, C. S.</i>	
Effect of release rate of the SF ₆ tracer on methane emission estimates based on ruminal and breath gas samples	518
<i>Müller, K., Lin, L., Wang, C., Glindemann, T., Schiborra, A., Schönbach, P., Wan, H., Dickhoefer, U. and Sussenbeth, A.</i>	
Effect of continuous v. daytime grazing on feed intake and growth of sheep grazing in a semi-arid grassland steppe	526

Cambridge Journals Online

For further information about this journal
please go to the journal web site at:
journals.cambridge.org/anm



MIX
Paper from
responsible
sources
FSC[®] C007785

CAMBRIDGE
UNIVERSITY PRESS