



Krajowy Naukowy
Ośrodek Wiodący

Konsorcjum Naukowe "Zdrowe Zwierzę - Bezpieczna Żywność"
Leading National Research Centre
Scientific Consortium "Healthy Animal - Safe Food"

“ENDOMETRITIS AS A CAUSE OF INFERTILITY IN DOMESTIC ANIMALS”



11-12 September 2017
Olsztyn, Poland



Sunday, September 10 th	
18:00 – 20:00	Welcome reception, registration Department of Animal Reproduction UWM, Oczapowskiego 14
Monday, September 11 th	
8:30 - 9:00	Registration
9:00 - 9:15	Opening ceremony Dariusz J. SKARŻYŃSKI (<i>IARFR PAS, Olsztyn, Poland</i>) Tomasz JANOWSKI (<i>UWM, Olsztyn, Poland</i>)
9:15 - 10:00	Plenary lecture I Hans -Joachim SCHUBERTH (<i>Tierärztliche Hochschule Hannover, Immunology Unit, Hannover, Germany</i>) Bovine Fertility and the immune system: from insemination to calving
10:00 - 10:30	Coffee break
10:30 - 13:30	Session I: Immune-endocrine function of uterus Moderators: Anna CHEŁMOŃSKA-SOYTA (<i>UP, Wrocław, Polska</i>) "Local and peripheral preimplantation pregnancy recognition- insight from mouse model" Luana RICCI PAULESU (<i>Università di Siena, Italy</i>)

	<p>"The cytokine MIF in physiology and pathology of human reproduction"</p> <p>Selected abstracts, each 15min + 5min discussion</p> <ul style="list-style-type: none"> • Westerkamp et al. "Detection of Lactobacillales spp. in the bovine seminal plasma and their influence on endometrial epithelial cells <i>in vitro</i>." • Brewer et al. "Defining the inflammatory gene signature that precedes the development of uterine disease in postpartum cattle" • Korzekwa et al. "Effect of LPS from Escherichia coli on PPAR expression profile during experimentally induced endometritis in the bovine endometrium explants" • Socha et al. "Escherichia coli affects PPAR expression profile in the bovine endometrium during experimentally induced endometritis - <i>in vivo</i> studies." 	
13:30 - 15:00	Lunch	Poster session
15:00–18:00	<p>Session II: Endometritis in mares</p> <p>Moderators:</p> <p>Mats HT TROEDSSON (<i>University of Kentucky, USA</i>)</p> <p>"Equine Endometrits"</p> <p>Graca FERREIRA – DIAS (<i>UTL, Lisbon, Portugal</i>)</p> <p>"The intricacies of mare endometrosis- how far have we gone?"</p> <p>Selected abstracts, each 15min + 5min discussion</p> <ul style="list-style-type: none"> • Christoffersen et al. "Infectious endometritis is associated with endometrial expression of pro-fibrotic markers and integrin ITGAV." • Monteiro de Barros et al. "Characterisation of transcriptome profiles of fresh or cultured ex vivo equine endometrial explants at different time points." • Amaral et al. "Cathepsin inhibition affects mare endometrium prostaglandin secretion during the estrous cycle." <p>Poster flash talk each 5min</p> <ul style="list-style-type: none"> • Rebordao et al. "Are mares physiologically protected against endometrial fibrosis induced by NETs proteases?" • Domino et al. "Endometritis Coexisting with Carcinoma Metastases to the Uterus in Mare." 	

20:00 - 24:00	<p>Gala Dinner</p> <p>Browar Warmia, Feliksa Nowowiejskiego 15</p>
<p>Tuesday, September 12th</p>	
9:15 - 10:00	<p>Plenary lecture I</p> <p>Martin SHELDON (<i>Swansea University, United Kingdom</i>)</p> <p>"Mechanisms linking metabolism with endometritis"</p>
10:00 - 10:30	<p>Coffee break</p>
10:30 - 13:30	<p>Session III: Endometritis in cows</p> <p>Moderators:</p> <p>Geert OPSOMER (<i>Universiteit Gent, Belgium</i>)</p> <p>"State of the art and some innovative ideas about (endo)metritis in cattle"</p> <p>Christoph GABLER (<i>Freie Universitat Berlin, Germany</i>)</p> <p>"Response of bovine endometrial epithelial cells depends on pathogenicity of bacterial strains"</p> <p>Selected abstracts, each 15min+ 5min discussion</p> <ul style="list-style-type: none"> • Meyerholz et al. "Genetically selected heifers differ in incidence of metritis" • Raz et al. "Reproductive performance, energy balance, ovarian function, and incidence of subclinical endometritis in cows diagnosed with metritis in early lactation" • Kelly et al. "Inflammasome-dependent IL-1β production by bovine endometrial stromal cells and polarized epithelial cells." <p>Poster flash talk, each 5min</p> <ul style="list-style-type: none"> • Ryan et al. "Serum alpha 1-acid glycoprotein concentration on day 7 postpartum as a potential biomarker for the development of purulent vaginal discharge in dairy cattle" • Rojas Canadas et al. "Association between body condition score, uterine health status and ovarian cyclicity on early lactation dairy cows." • Pedersen et al. "Presence of bacteria in the endometrium and placentomes of pregnant cows"

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13:30 - 13:45	Closing Remark & Review Dariusz J. SKARŻYŃSKI (<i>IARFR PAS, Olsztyn, Poland</i>) Tomasz JANOWSKI (<i>UWM, Olsztyn, Poland</i>)
13:45 - 15:00	Lunch
Summer School of KNOW Place: Faculty of Veterinary Medicine	
15.00 – 15.45	Discovering links between animal disease, infertility, and immunity Martin Sheldon (Cardiff, GB)
16:00 – 16.45	How to manipulate the immune system: Immunomodulation versus vaccination Hans-Joachim Schuberth (Hanover, DE)
17:00 – 17:45	Role of pro-inflammatory mediators during endometritis in cattle Christoph Gabler (Berlin, Germany)
Wednesday, September 13th - Summer School of KNOW	
8:30 – 9:10	How to diagnose mare endometritis and endometrosis Graca Ferreira -Dias (Lisbon, PT)
09:20 – 10:00	Sperm transport and elimination in the mare reproductive tract Mats Troedsson (Lexington, KY, USA)
10:10 – 10:30	Specific localization and biological activity of dietary flavonoid quercetin in brain. Yoshichika Kawai (Tokushima, Japan)
10:40 – 11:20	Endocrine disrupting chemicals: an hazard in the prenatal life Luana Ricci Paulesu (Siena, Italy)

VENUE PLACE: University Library of the University of Warmia and Mazury
Oczapowskiego Street 12B
10-719 Olsztyn

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