



BASIC AND BIOMEDICAL STUDIES IN THE CENTER OF EXCELLENCE BIOANIREP, 12-14 June 2011, Wierzba, Poland

Conference Programme

SUNDAY 12th June 2011

11.00- 12.00 Registration, Welcome coffee

12.00 - 12.10 Opening ceremony
A.J. Ziecik

12.10 - 12.30 POIG & BIOANIREP
D.J. Skarzynski & M.M. Kaczmarek

Session 1 *Biostatistics in basic and biomedical studies*
Chair: M.M. Kaczmarek

12.30 - 12.55 Prediction model in the analysis of microarray data
R. Milewski

12.55 - 13.20 The most common errors in biostatistical analysis
R. Milewski

13.20 -13.30 Discussion

13.30 - 15.00 Lunch

Session 2 *Biomedical approaches*
Chair: M. Strackowski & J. Czarnecki

15.00 - 15.25 Whether ERs mRNA expression in spermatozoa can be a valuable marker of male idiopathic infertility?
K. Jarzabek & S. Wołczyński

15.25 - 15.50 The impact of environmental factors on human fertility
M. Arciszewski

15.50 - 16.15 ERs, FSHR, LHR, AMHRII, BMP15 genes polymorphisms in association with ovarian responses to ovarian stimulation
D. Ponikwicka-Tyszko

16.15 - 16.30 Coffee/Tea break

16.30 - 16.55 Analysis of body composition – comparison of results obtained by different equipment
R. Filarski & R. Majewski

16.55 - 17.20 Role of adipose tissue and skeletal muscles in the insulin resistance
M. Strackowski

17.20 - 17:45 MicroRNA- are we blinded by potential?
K. Krawczyński & M.M. Kaczmarek

17:45 - 18.00 Discussion

19:00 - ... Barbecue party

MONDAY 13th June 2011

8.00 - 9.00 Breakfast

Session 3 *Basic approaches*

Chair: A. Andronowska & M.M. Kaczmarek

9.00 - 9:25 **Expression of PGI2 synthase (PGIS) and the content of PGI2 in the pig uterine endometrium during the estrous cycle and early pregnancy**

E. Morawska, M.M. Kaczmarek, A. Andronowska, A. Blitek

9.25 - 9.50 **The role of PGF2a and its receptor in the porcine endometrium, corpus luteum and conceptus during early pregnancy**

P. Kaczynski & A. Waclawik

9.50 - 10.15 **Global gene expression analysis in the porcine endometrium during maternal recognition of pregnancy**

A. Kitewska, J. Kiewisz, M.M. Kaczmarek, M. Bogacki

10.15 - 10.35 **Prostaglandin endoperoxide synthase 2 and prostaglandin synthase gene expression, prostaglandin F2alpha and E2 secretion following estrogen and/or progesterone stimulation of the feline endometrium**

E. Jursza, M.P. Kowalewski, M. Majewska, D.J. Skarzynski, M.J. Siemieniuch

10.35 - 10.55 **Lysophosphatidic acid as a novel, local auto/paracrine regulator of the reproductive processes in the bovine reproductive tract**

D. Boruszewska, , I. Kowalczyk-Zieba, I. Woclawek-Potocka

10.55 - 11.05 Discussion

11.05- 11.20 Coffee/Tea break

Session 3 *Basic approaches*

Chair: A. Andronowska & M.M. Kaczmarek

11.20 - 11.45 **Influence of the exogenous gonadotropins (eCG, hCG) on the expression of prostaglandin synthesis pathway enzymes in the porcine oviduct**

I. Malysz-Cymborska & A. Andronowska

11.45 - 12.10 **Can the luteal regression in the pig be reversed?**

E. Bolzan & A.J. Ziecik

12.10 - 12.35 **Expression of nerve growth factor (NGF) and its receptors, TrkA, p75 during the development of ovarian cysts in pigs**

J. Czarzasta, M. Misiura, B. Jana

12.35 - 13.00 **Adenomyosis in uterus of cows-correlation between development of disease and age of animal**

M. Gestwicka, A.J. Korzekwa, M. Bah, D.J. Skarzynski

13.00 - 13.10 Discussion

13.10 - 14.30 Lunch

14.30 - 16.30 Trip to Popielno

Session 4 ***Pigs as model for biomedical research***

Chairs: A.J. Ziecik & Z. Smorag

16:30 - 17.00 **Lipids in pig oocytes and embryos - new methods of the identification and content regulation**

M. Romek

17:00 - 17.30 **Comparison of selected semen parameters in transgenic and non-transgenic boars**

M. Bochenek

17.30 - 18.00 **Monitoring of porcine endogenous retroviruses: Infection of human cells**

U. Mazurek

18.00 - 18.10 Discussion

19.30 -... Gala dinner

TUESDAY 14th June 2011

8.00 - 9.00 Breakfast

Session 4 ***Pigs as model for biomedical research***

Chair: A.J. Ziecik & Z. Smorag

9.00 - 9:45 **Genetically engineered pigs for diabetes research and regenerative medicine**

E. Wolf

9.45 - 10.20 **Genetic modification of pigs as organ donors for xenotransplantation - mapping of transgene, analysis of transgene expression, functional tests and prospective**

R. Slomski & Z. Smorag

10.20 - 10.55 **Urgent call for a pig model to study neurohormonal mechanisms of metabolic surgery**

A. Kiciak, K. Borycka-Kiciak, N. Dib, P. Pietrzak, W Tarnowski, R. Zabielski

10.55 - 11.10 Discussion

11.10 - 11.15 Closing ceremony

11.15- 11.35 Farewell coffee/tea