

International Symposium

Global approach to control of diseases and improvement of productivity in dairy cattle through the recent advance in nutritional, metabolic, immunological and genetic studies

13 -14 February 2015

ANA Hotel Okayama, Okayama, Japan

Second Announcement

We are pleased to inform you about the progress in the organization of the International Symposium “Global Approach to Control of Diseases and Improvement of Productivity in Dairy Cattle through the Recent Advance in Nutritional, Metabolic, Immunological and Genetic Studied” in Okayama, February 13 to 14, 2015. In addition to the eight invited lectures, 14 short papers from six countries will be presented in short communication sessions. The second announcement provides you with the finalized program including short communications. We are looking forward to seeing you in Okayama next February.

T. Nakao, Chair of the Organizing Committee

Organizing Committee

Toshihiko Nakao (Japanese Society of Farm Animal Veterinary Medicine) : Chairman

Shigeru Sato (Iwate University): Vice Chairman

Norio Yamagishi (Iwate University): Secretary

Hisashi Inokuma (Obihiro University of Veterinary Medicine and Agriculture)

Masashi Nagano (Hokkaido University)

Shin Oikawa (Rakuno Gakuen University)

Hiromichi Otsuka (Rakuno Gakuen University)

Motoshi Tajima (Rakuno Gakuen University)

Tomohito Hayashi (National Institute of Animal Health, NARO)

Shirou Kushibiki (NARO Institute of Livestock and Grassland Science)

Reiichirou Sato (Azabu University)

Hiromu Katamoto (Miyazaki University)

Program

<Feb. 12, 2015>

13:30-17:00 Organizing Committee meeting and planning meeting with keynote speakers and interpreters

<Feb. 13, 2015>

13:00-13:10 **Opening remarks** T. Nakao (Japan)

Session I: Interrelationships among nutrition, metabolism, health, production and Reproduction

Chairpersons: L. Sordillo (USA), S. Oikawa (Japan)

13:10-14:05 Interaction of metabolic challenges and productivity

G. Opsomer (Belgium)

14:05-15:00 Factors contributing immunosuppression during periparturient period

K.L. Ingvarsen (Denmark)

15:00-15:20 **Coffee break**

Session II: Impact of metabolic status on immune function

Chairpersons: G. Opsomer (Belgium), T. Hayashi (Japan)

15:20-16:20 Impact of nutrition and oxidation stress on disease susceptibility in periparturient period

L. Sordillo (U.S.A.)

16:20-17:20 Subacute ruminal acidosis (SARA) challenge, ruminal condition and cellular immunity in cattle

S. Sato (Japan)

17:20-17:50 **Coffee break**

Short communication session I

Group 1: Chairpersons: J. Rehage (Germany), H. Inokuma (Japan)

17:50-18:02 Molecular mechanisms to control insulin sensitivity in adipose tissues of periparturient dairy cows

A. Kenez (Germany)

18:02-18:14 Trend to overcome the postpartum hormonal imbalance and oxidative stress in goat using *Trigonella foenum-graecum*

E. Ahmed (Japan/Egypt)

18:14-18:26 The effects of Chinese veterinary medicine preparation ChanFuKang on the endothelin and nitric oxide of postpartum dairy cows with Qi-deficiency and blood stasis

Z. Yan (China)

Group 2: Chairpersons: B. Han (China), M. Tajima (Japan)

18:26-18:38 Body condition correlates with results of ACTH-challenge in dairy cows

J. Rehage (Germany)

18:38-18:50 Liver copper and serum ceruloplasmin concentrations in hyperketonemic pregnant ewes

M. Sakha (Iran)

18:50-19:02 System for measuring blood calcium level in dairy cattle using wireless portable electrocardiograph

M. Itoh (Japan)

Group 3: Chairpersons: Z. Yan (China), R. Sato (Japan)

19:02-19:14 Isolation, identification, molecular characterization and epidemiological investigation of *Prototheca zopfii* from bovine mastitis

B. Han (China)

19:14-19:26 Subclinical mastitis in dairy cows in Kurunegala district of Sri Lanka:

Prevalance, associated risk factors and effects on reproductive performance

B. Ranasinghe (Sri Lanka)

19:26-19:38 Effects of preparturient exercise in an outdoor pen on periparturient energy condition and subsequent reproductive performance in dairy cows

C. Yoshida (Japan)

Reception

19:50-21:00

All speakers including their accompanying persons, chairpersons, foreign delegates are invited.

<Feb.14, 2015>

Session III: Strategies to control diseases and improve productivity

Chairpersons: B.A. Mallard (Canada), N. Yamagishi (Japan)

9:00- 9:50 Disease prevention through nutrition

K.L. Ingvarsen (Denmark)

9:50-10:45 Improvement of reproductive performance with emphasis on transition cow Management

G.M. Schuenemann (U.S.A.)

10:45-11:00 **Coffee break**

Short communication session II

Group 4: Chairpersons: M. Sakha (Iran), M. Nagano (Japan)

11:00-11:12 iTRAQ-based quantitative proteomic analysis of uterus tissue and plasma from dairy cow with endometritis

Z. Shidong (China)

11:12-11:24 Ovsynch enhances fertility of Holstein cows subsequent to treatment for uterine involution

G. Yu (Japan/China)

11:24-11:36 Follow up of embryonic/fetal losses in different breeds of goats using real time B-mode ultrasonography

H. Samir (Japan/Egypt)

Group 5: Chairpersons: B. Ranasinghe (Sri Lanka), S. Kushibiki (Japan)

11:36-11:48 Prevalence of negative energy balance prepartum and subclinical ketosis in early lactation in dairy cows in peri-urban Kampala, Uganda

T. Nakao (Japan)

11:48-12:00 Effects of intramuscular administration of vitamin E before transport on transport stress response of Holstein steer calves

H. Ishizaki (Japan)

12:00-14:00 **Lunch on your own (Not included)**

Session IV: Genetics and genomics for improving health and production

Chairpersons: G. Schuenemann (U.S.A.), H. Katamoto (Japan)

14:00-14:50 Genetic Selection of cattle for improved immunity and health (part 1)

B.A. Mallard (Canada)

14:50-15:10 **Coffee break**

15:10-16:00 Genetic Selection of cattle for improved immunity and health (part 2)

B.A. Mallard (Canada)

Session V: General discussion “Global approach to control diseases and improve health, production and reproduction”

Chairpersons: K.L. Ingvarstsen (Denmark), K. Imakawa (Japan)

16:10-17:00

17:00-17:10 **Closing remarks** S. Sato (Japan)

Registration

All participants need to be registered in advance.

Japan Veterinary Medical Association (JVMA) members: Registration for Annual Conference of JVMA is required.

Non-members of JVMA (Japanese): No registration fee. Please send e-mail for registration with name, age, institute, position, institute address and E-mail address to

Dr. Reiichiro Sato, Azabu University (r-sato@azabu-u.ac.jp) by January 31, 2015.

On site registration is also accepted.

ID card must be presented at the registration desk on site.

Foreigners: No registration fee. For registration please send e-mail including name, age, institute, position, institute address and E-mail address to

Convention Linkage Inc. (okayama2015-intersympo@c-linkage.co.jp) by January 31, 2015. On site registration is also accepted. Those who need VISA should contact by December 31, 2014,

Website

<http://jsfavm2015.umin.jp/index-e.htm>