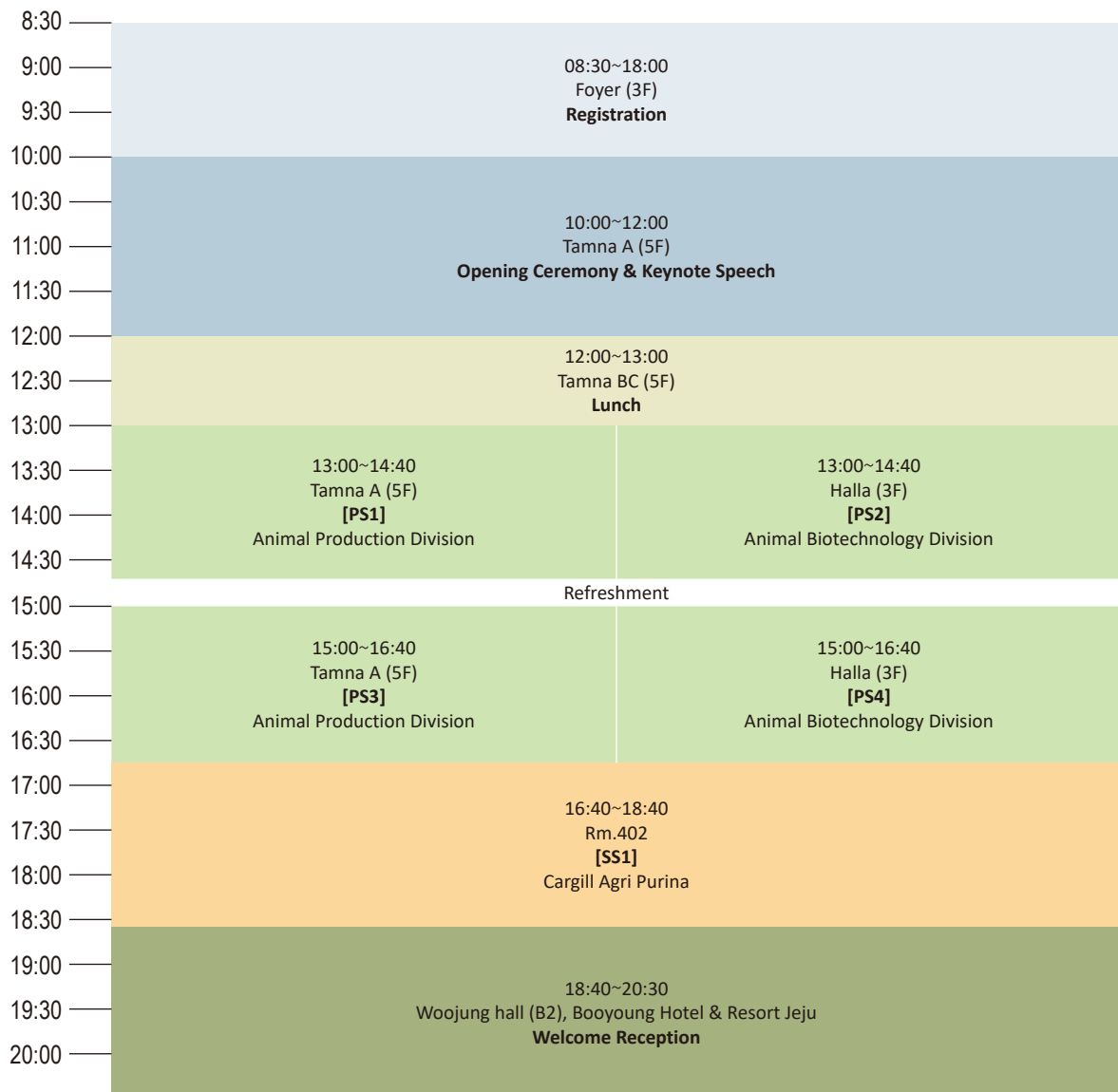


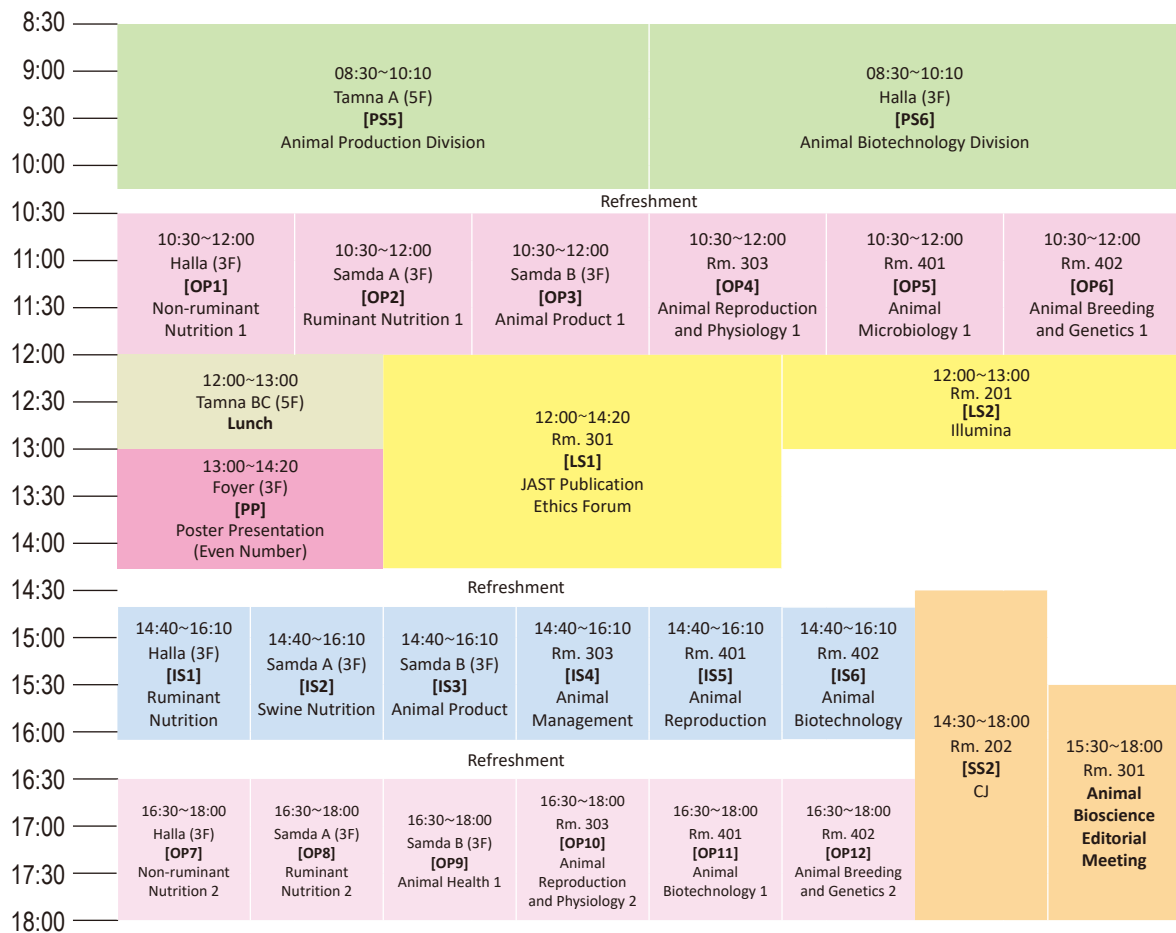


AAAP Program

August 23 (Tuesday)



August 24 (Wednesday)

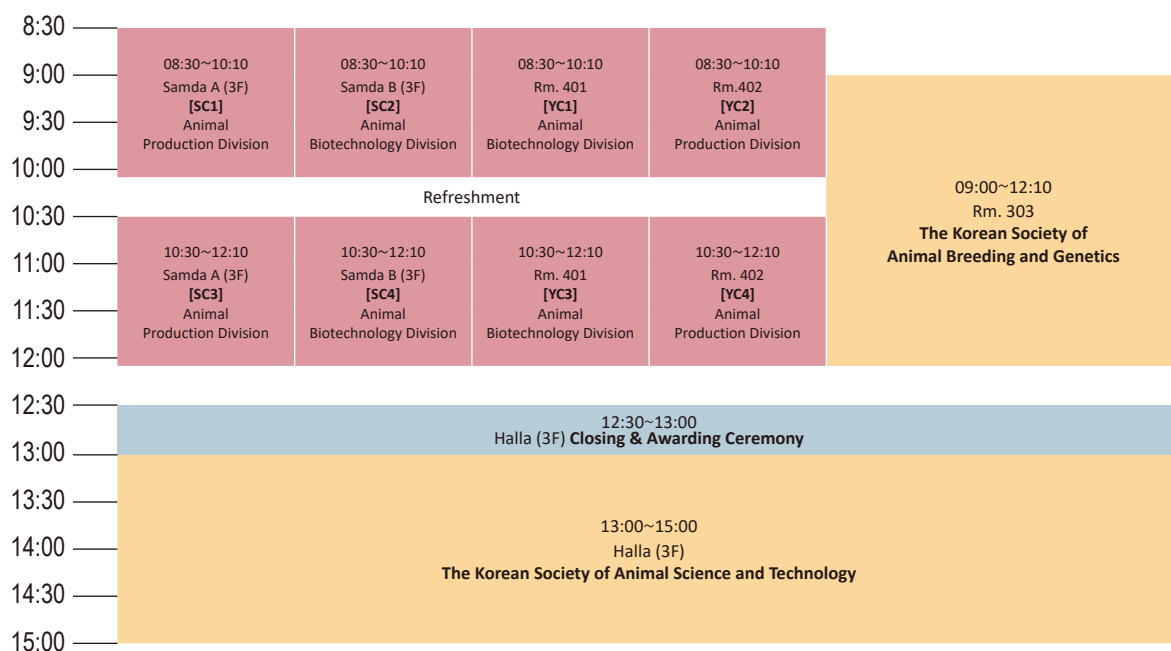




August 25 (Thursday)

8:30	08:30~10:10 Tamna A (5F) [PS7] Animal Production Division						08:30~10:10 Halla (3F) [PS8] Animal Biotechnology Division					
9:00												
9:30												
10:00	Refreshment											
10:30	10:30~12:00 Halla (3F) [OP13] Non-ruminant Nutrition 3	10:30~12:00 Samda A (3F) [OP14] Ruminant Nutrition 3	10:30~12:00 Samda B (3F) [OP15] Animal Product 2	10:30~12:00 Rm. 303 [OP16] Animal Reproduction and Physiology 3	10:30~12:00 Rm. 401 [OP17] Animal Microbiology 2	10:30~12:00 Rm. 402 [OP18] Animal Breeding and Genetics 3						
11:00												
11:30												
12:00	12:00~13:00 Tamna BC (5F) Lunch		12:00~14:20 Samda A (3F) [LS3] Emerging Researches of Animal Science and Biotechnology 1	12:00~14:20 Samda B (3F) [LS4] Emerging Researches of Animal Science and Biotechnology 2	12:00~14:20 Rm. 201 [LSS] Hanwoo Symposium	12:00~15:00 Rm. 202 [LS6] Handon (Korean Pork) Symposium						
12:30												
13:00	13:00~14:20 Foyer (3F) [PP] Poster Presentation (Odd Number)		Refreshment									
13:30												
14:00	14:40~16:10 Halla (3F) [IS7] Poultry Nutrition	14:40~16:10 Samda A (3F) [IS8] Animal Behavior and Welfare	14:40~16:10 Samda B (3F) [IS9] Forage Science	14:40~16:10 Rm. 303 [IS10] Animal Genetics	14:40~16:10 Rm. 401 [IS11] Animal Health	14:40~16:10 Rm. 402 [IS12] Animal Microbiology	14:40~16:55 Rm. 201 Animal Bioscience Forum 2022	15:00~18:00 Rm. 202 Jeju Eco-Friendly Livestock Symposium (In Korean)	15:30~18:00 Rm. 301 Council Meeting			
14:30												
15:00												
15:30												
16:00	Refreshment											
16:30	16:30~18:00 Halla (3F) [OP19] Non-ruminant Nutrition 4	16:30~18:00 Samda A (3F) [OP20] Ruminant Nutrition 4	16:30~18:00 Samda B (3F) [OP21] Animal Health 2	16:30~18:00 Rm. 303 [OP22] Animal Behavior and Welfare	16:30~18:00 Rm. 401 [OP23] Animal Biotechnology 2	16:30~18:00 Rm. 402 [OP24] Animal Environment and Management						
17:00												
17:30												
18:00												
18:30												
19:00	18:30~20:30 Tamna BC (5F) Gala Dinner											
19:30												
20:00												
20:30												

August 26 (Friday)



Session Code

- [PS] : Plenary Session
- [IS] : Invited Session
- [OP] : Oral Presentation
- [PP] : Poster Presentation
- [SS] : Satellite Symposium
- [LS] : Lunch Symposium
- [SC] : Student Competition
- [YC] : Young Scientist Competition



PS1

Animal Production Division

Aug. 23, 13:00-14:40 / Tamna A (5F)

Chair. Young Min Choi (Kyoungpook National University, Korea)

PS1-1

13:00-13:50

Additivity of dietary nutrient values for swine and poultry

Olayiwola Adeola

Purdue University, West Lafayette, IN, USA

PS1-2

13:50-14:40

Finding the new use of the egg – opportunities and challenges

Dong Uk Ahn

Animal Science Department, Iowa State University, Ames, IA 50011, USA



PS2

Animal Biotechnology Division

Aug. 23, 13:00-14:40 / Halla (3F)

Chair. Sang Hong Lee (University of South Australia, Australia)

PS2-1

13:00-13:50

Experiences with genomic selection across species

Daniela Lourenco

Department of Animal and Dairy Science, University of Georgia, Athens, GA, USA

PS2-2

13:50-14:40

Low genomic prediction accuracy? Multi-omics to the rescue!

Antonio Reverter

CSIRO Agriculture and Food, 306 Carmody Rd, St Lucia, Brisbane, Queensland 4067, Australia



PS3

Animal Production Division

Aug. 23, 15:00-16:40 / Tamna A (5F)

Chair. Jung Min Heo (Chungnam National University, Korea)

PS3-1

15:00-15:50

Optimising ruminant systems through targeted supplementation to the grazing animal and microbiome

SE Denman, Fernandez G Martinez and CS McSweeney

CSIRO Agriculture & Food, Brisbane, Australia

PS3-2

15:50-16:40

Piglet enterotoxigenic *Escherichia coli*: Antimicrobial resistance and control strategies for post-weaning diarrhoea

JR Pluske

Australasian Pork Research Institute Ltd., P.O. Box 466, Willaston, South Australia, 5118, Australia

PS4

Animal Biotechnology Division

Aug. 23, 15:00-16:40 / Halla (3F)

Chair. Dae-Kyung Kang (Dankook University, Korea)

PS4-1

15:00-15:50

Coping with large litters: health and welfare challenges

Olli Peltoniemi¹, Taehee Han¹ and Jinhyeon Yun²

¹*Department of Production Animal Medicine, Faculty of Veterinary Medicine, University of Helsinki, 04920 Saarentaus, Finland,* ²*Department of Animal Science, College of Agriculture and Life Sciences, Chonnam National University, Gwangju 61186, Korea*

PS4-2

15:50-16:40

Ribosome dimerization mechanism for persister cell formation and resuscitation

Thomas K. Wood

Department of Chemical Engineering and Biochemistry and Molecular Biology, Pennsylvania State University, University Park, PA 16802, USA



PS5

Animal Production Division

Aug. 24, 08:30-10:10 / Tamna A (5F)

Chair. Jae Hwan Lee (CTCBio Inc, Korea)

PS5-1

08:30-09:20

Nutrigenomics of beef quality and intramuscular fat deposition

M Baik, JS Lee, SY Kim, KKTN Ranaweera and HJ Kim

Seoul National University, Seoul, Korea

PS5-2

09:20-10:10

Intestinal health, mucosal microbiota, and the growth of nursery pigs

Sung Woo Kim and Marcos Elias Duarte

Department of Animal Science, North Carolina State University, Raleigh, NC 27695, USA



PS6

Animal Biotechnology Division

Aug. 24, 08:30-10:10 / Halla (3F)

Chair. Youngsok Choi (Konkuk University, Korea)

PS6-1

08:30-09:20

Metabolic pathways utilized by the porcine conceptus, uterus and placenta

GA Johnson, H Seo, FW Bazer and G Wu

Texas A&M University, College Station, USA

PS6-2

09:20-10:10

Improving animal productivity by sperm OMICS

Myung-Geol Pang

Department of Animal Science and Technology and BET Research Institute, Chung-Ang University, Anseong, Korea

IS1

Ruminant Nutrition

Aug. 24, 14:40-16:10 / Halla (3F)

Chair. Joonpyo Oh (Cargill, Korea)

IS1-1

14:40-15:25

Evaluation of physiological parameters related with carcass traits in Japanese Black cattle

S Roh

Graduate School of Agricultural Science, Tohoku University, Japan

IS1-2

15:25-16:10

Feeding amino acids to lactating dairy cows

C Lee

Department of Animal Sciences, The Ohio State University, Wooster 44691, USA

IS2

Swine Nutrition

Aug. 24, 14:40-16:10 / Samda A (3F)

Chair. Jae Hwan Lee (CTCBio Inc, Korea)

IS2-1

14:40-15:25

Applied piglet nutrition and its impacts on lifetime pig performance

RC Sulabo

University of the Philippines Los Baños, Laguna, Philippines

IS2-2

15:25-16:10

Nutritional application for improvement of pig growth and health

MH Song

Chungnam National University, Daejeon, Korea



IS3

Animal Products

Aug. 24, 14:40-16:10 / Samda B (3F)

Chair. Sun Jin Hur (Chung-Ang University, Korea)

IS3-1

14:40-15:25

Improving fresh meat quality and value through smart-aging strategies

Yuan H. Brad Kim

Department of Animal Sciences, Purdue University, West Lafayette 47907, IN, USA

IS3-2

15:25-16:10

Dairy-isolate probiotic: a natural agent for the aging brain & gut

Min-Tze Liong

School of Industrial Technology, Universiti Sains Malaysia (USM), Penang 11800, Malaysia

IS4

Animal Management

Aug. 24, 14:40-16:10 / Rm. 303

Chair. Kyu-Hyun Park (Kangwon National University, Korea)

IS4-1

14:40-15:25

Strategic approach to enhance carbon conservation in biofuels derived from lignocellulosic biomass and livestock

EH Kwon

Hanyang University, Seoul, Korea

IS4-2

15:25-16:10

Application of artificial intelligence for smart (precision) livestock farming in Korea

HT Kim¹, JK Basak² and NE Kim¹

¹*Department of Bio-Systems Engineering, Graduate School of Gyeongsang National University, Jinju 52828, Korea,* ²*Institute of Smart Farm, Gyeongsang National University, Jinju 52828, Korea*

IS5

Animal Reproduction

Aug. 24, 14:40-16:10 / Rm. 401

Chair. Minjung Yoon (Kyoungpook National University, Korea)

IS5-1

14:40-15:25

New hypotheses for placentation in pigs, sheep and cattle

H Seo, GA Johnson, FW Bazer and KG Pohler

Texas A&M University, College Station, USA

IS5-2

15:25-16:10

KNDy neurons: the gonadotropin-releasing hormone (GnRH) pulse generator in mammals

Y Uenoyama, N Inoue and H Tsukamura

Graduate School of Bioagricultural Sciences, Nagoya University, Nagoya, Japan

IS6

Animal Biotechnology

Aug. 24, 14:40-16:10 / Rm. 402

Chair. Joon-Hee Lee (Gyeongsang National University, Korea)

IS6-1

14:40-15:25

Pluripotency 3.0: current status of pluripotent stem cell research in domestic animals

SH Kim¹ and CK Lee^{1,2}

¹*Department of Agricultural Biotechnology, Animal Biotechnology Major, Research Institute of Agriculture and Life Science, Seoul National University, Seoul 08826, Korea,*

²*Designed Animal & Transplantation Research Institute, Institute of Green Bio Science and Technology, Seoul National University, Pyeongchang 25354, Korea*

IS6-2

15:25-16:10

Mitochondrial dynamics, energy metabolism, and mitochondrial fission genes in stem cells

Jeong Tae Do

Department of Stem Cell and Regenerative Biotechnology, Konkuk Institute of Technology, Konkuk University, Seoul, Korea