

# ARBC2018 at Taipei Zoo, Taiwan

## 13th Asian Reproductive Biotechnology Congress, 3~6 May 2018

Reproductive biotechnology for defining, delineating and displaying the world of human and animal

Venue: International Conference Hall

Third Floor, Panda House, Taipei Zoo

No. 30, Section 2, XinGuang Road, WenShan District, Taipei City 11656 Taiwan



### Oral Presentation Schedule (Panda House)

Time	5 May (Sat)	Presenter/ Paper Title
08:30	Registration	<i>Third Floor of Panda House</i>
09:00	Plenary Speaker	Pascal Mermillod (France) <i>MIMICKING THE MATERNAL ENVIRONMENT TO OPTIMIZE THE PRODUCTION OF EMBRYOS IN VITRO IN WILD AND DOMESTIC MAMMALS</i>
09:40	Reproductive medicine (II)	Rong Chen (China) <i>THE RESEARCH OF THE BREEDING OF NOMASCUS GABRIELLAE IN NANJING HONGSHAN FOREST ZOO IN CHINA</i>
10:00	Assisted reproduction (II)	Wanlaya Tipkantha (Thailand) <i>UPDATE ON REPRODUCTIVE TECHNOLOGIES FOR ENDANGERED CLOUDED LEOPARD</i> Nguyen Thi Hong (Vietnam) <i>INVESTIGATION OF CYCLE SYNCHRONIZATION AND ARTIFICIAL INSEMINATION FOR BREEDING INDUSTRY IN RABBITS</i>
10:30		Tamas Somfai (Japan) <i>COMPARISON OF TWO OOCYTE MATURATION MEDIA FOR IN VITRO PRODUCTION OF BLASTOCYSTS IN AN INDIGENOUS VIETNAMESE MINIATURE PIG</i>
11:00	Health break	<i>Third Floor of Panda House</i>
11:30	Embryo development (I)	Huiyan Xu (China) <i>BUFFALO OOCYTES MATURED IN VITRO WITH ACETYL-L-CARNITINE IMPROVES CRYOTOLERANCE DUE TO CHANGE IN MITOCHONDRIAL FUNCTION AND THE MEMBRANE LIPID PROFILE</i> Jeongwoo Kwon (Korea) <i>INHIBITION OF MEK1/2 AND GSK3 (2I SYSTEM) AFFECTS EPIGENETIC MODIFICATION AND EARLY DIFFERENTIATION OF PORCINE PARTHENOTES</i>
12:00		Kyung-Tae Shin (Korea) <i>THE TOXIC EFFECT OF AFLATOXIN B1 ON EARLY PORCINE EMBRYONIC DEVELOPMENT</i> Min-Jung Seong (Korea) <i>CPEB2 IS REQUIRED FOR TIGHT JUNCTION ASSEMBLY FOR ESTABLISHMENT OF PORCINE TROPHECTODERM EPITHELIUM</i>
12:30	Lunch break	Education Center
13:00		
13:30	Embryo development (II)	Nguyen Thi Nhung (Vietnam) <i>EFFECT OF DONER CELL TYPES ON THE DEVELOPMENT OF PIG EMBRYOS PRODUCED BY SOMATIC CELL NUCLEAR TRANSFER</i> Qing Guo (China) <i>JNJ-7706621 IMPROVES THE IN VITRO DEVELOPMENT COMPETENCE OF PORCINE PARTHENOGENETIC ACTIVATION AND SOMATIC CELL NUCLEAR TRANSFER EMBRYOS</i>
14:00		Yu-Jin Jo (Korea) <i>WHAMM PLAY ESSENTIAL ROLES IN SPINDLE FORMATION AND CAGE ACTIN MESH OF MATURING MOUSE OOCYTES</i> Zhao-Bo Luo (China) <i>CO-TREATMENT WITH REPSOX AND LBH589 IMPROVES THE IN VITRO DEVELOPMENTAL COMPETENCE OF PORCINE SOMATIC CELL NUCLEAR TRANSFER EMBRYOS</i> Zheng-Wen Nie (Korea) <i>THIAMETHOXAM INHIBITS BLASTOCYSTS EXPANDING AND HATCHING VIA ACTIVATION OF ROS-INDUCED DNA DAMAGE CHECKPOINT IN PIGS</i>
14:30	Biology and Economics (I)	Kim Dung Pham Thi (Vietnam) <i>ENHANCEMENT UTILIZATION OF REPRODUCTIVE TECHNOLOGY IN PIG HERDS OF VIETNAM TO MEET THE INDUSTRY DEVELOPMENT POLICY</i> Ruth Miclat-Sonaco (Philippines) <i>TECHNICAL TRAINING INPUT OF PIG REPRODUCTION IN LOCAL AND INTERNATIONAL FARMERS AT PHILIPPINE ITCPH</i>
15:00		Health break
15:30	Fertility preservation (II)	Jing Pang (China) <i>INFLUENCES OF DIFFERENT DIETARY ENERGY LEVEL ON SHEEP TESTICULAR DEVELOPMENT ASSOCIATED WITH AMPK-ULK1 AUTOPHAGY PATHWAY</i>

		Shao-Chen Sun (China) <i>MELATONIN PROTECTS OOCYTES FROM MEHP EXPOSURE INDUCED MEIOSIS DEFECTS IN PORCINE</i>
16:00		Shuangshuang Geng (China) <i>THE PRIMARY RESEARCH OF OVER EXPRESSION OF GDNF GENE IN BUFFALO TESTIS SERTOLI CELLS</i> Wenjun Zhou (Korea) <i>FIPRONIL CAUSES APOPTOSIS DURING MEIOTIC MATURATION IN PORCINE OOCYTES</i>
16:30		Yong-Han Kim (Korea) <i>ACENTRIOLAR MICROTUBULE ORGANIZATION CENTERS AND RAN-MEDIATED MICROTUBULE FORMATION PATHWAYS ARE BOTH REQUIRED IN PORCINE OOCYTES</i> Tingting Li (China) <i>THE ESTABLISHMENT OF IN VITRO CULTURE SYSTEM OF BUFFALO SPERMATOGONIAL STEM-LIKE CELLS</i>
17:00~		Free Activity

### Hand-On Training Schedule (maximum 7 people per class)

Hand-On Training	Location	3 May (Thu)	4 May (Fri)	5 May (Sat)	6 May (Sun)	Instructor
Flow Cytometric Sperm Assay	Room 301	15:00~17:00		10:00~12:00	10:00~12:00	Hsiu-Lien Lin, Ting-Yung Kuo, Chiao-Chien Chu
Oocyte Freezing	Room 302		10:00~12:00	15:00~17:00		Yu-Shin Chen, Ting-Chieh Kang, Fung-Hsiang Chu, Jenn-Rong Yang

### Poster Presentation Preference Session & Exhibition

09:00AM~16:30PM 3~6 May	Third floor at International Conference Hall of Panda House
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