

# **The 19<sup>th</sup> International Symposium on Developmental Biotechnology**

## **Current Research in Reproductive and Developmental Biotechnology**

**Oct. 15 (Friday), 2021**

**09:30 - 17:00 Registration**

### **Main Conference**

**Chair: Minjung Yoon, Ph.D. (Chairman of Academic Affair,  
Kyungpook National University)**

**9:30 - 9:45 Opening Remarks**

**Deog-Bon Koo Ph.D. (President of KSARB, Daegu University, Korea)**

### **Plenary Session**

**Chair: Hyuk Song, Ph.D. (Chairman of International Academic Affair,  
Konkuk University, Korea)**

**9:45 - 10:30 Kyle Orwig, Ph.D. (Univ. of Pittsburgh, USA)**

**Stem cell therapies for male infertility**

**10:30 - 11:15 Zubing Cao, Ph.D (Anhui Agricultural University, China)**

**METTL3-mediated m6A methylation negatively modulates autophagy to  
support porcine blastocyst development**

**11:15 - 12:00 Nambo Yasuo, Ph.D., DVM (Obihiro University, Japan)**

**Horse Embryo Transfer and Cryopreservation**

### **Board of Directors Meeting**

**12:00 - 13:00 Board of Directors Meeting, KSARB**

**12:00 - 13:00 Lunch Time**

**1<sup>st</sup> Academic Session (25 min Talk, 5 min Q&A)**

**Chair : Hakhyun Ka, Ph.D. (Yonsei University, Korea)**

**13:00 – 13:30 Heewon Seo, Ph.D. (Texas A&M Univ., USA)**

**Comparative analyses of placentation in domestic species**

**13:30 – 14:00 Chi-hun Park, Ph.D. (Univ. of Missouri, USA)**

**Generating Human Organs via Interspecies Chimera Formation:  
Challenges and Promise**

**14:00 – 14:30 Jaehwan Kim, Ph.D. (Univ. of Michigan, USA)**

**Identification of a novel embryo-prevalent gene, Gm11545, involved in  
preimplantation embryogenesis in mice**

<b>Poster-presentation Session &amp; Coffee Break</b>
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**14:30 – 15:00 Poster-presentation Session and Coffee Break**

<b>2<sup>nd</sup> Academic Session (25 min Talk, 5 min Q&amp;A)</b>
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<b>Chair: Jeong Tae Do, Ph.D. (Konkuk University, Korea)</b>
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**15:00 – 15:30 Yong-An Lee, Ph.D. (Genome Institute of Singapore, Singapore)**

**Stem cell and cancer research through the fluorescent bio-imaging  
probe development**

**15:30 – 16:00 Kee-Pyo Kim, Ph.D. (Catholic University, Korea)**

**Donor cell memory confers a metastable state of directly converted  
cells**

**16:00 – 16:30 Sang-Hee Lee, Ph.D. (Kangwon National University, Korea)**

**Deep learning based object detection for classification of sperm  
morphology in domestic animal**

<b>Award &amp; Closing Remark</b>
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<b>Chair : Minjung Yoon, Ph.D. (Chairman of Academic Affair, Kyungpook National University)</b>
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**16:30 – 17:00 Poster Award/General Assembly, KSARB**

**Closing Remark**

**Deog-Bon Koo Ph.D. (President of KSARB, Daegu University, Korea)**