

2016 Center for the Animal Bioreactor & Xenotransplantation Symposium

Date: 2016. 12. 08

Place: Gallery room, Gland Plaza Cheongju Hotel, Cheongju

Procedures

10:00 - 10:30 Reception

10:30 - 10:40 Opening Remark ----- Nam Hyung Kim/CABX President

Session I :

10:40 – 12:00

Time	Speaker	Title
10:40 - 11:00	SunWoong Kang <i>Korea Institute of Toxicology</i>	Artificial organ fabrication using stem cells for alternative toxicology
11:00 - 11:20	Jin Gee Hong <i>Chung-Ang Univ.</i>	Nanofilm technology to control stem cell viability
11:20 - 11:40	Dong Wook Han <i>Konkuk Univ.</i>	Direct generation of soma, stem cells, and organs
11:40 - 12:00	Buom-Yong Ryu <i>Chung-Ang Univ.</i>	Generation of testis-derived multipotent stem cells and comparison of lineage-specific differentiation potential in mice

12:00 – 13:00 Lunch

Session II :

13:00 – 15:00

Time	Speaker	Title
13:00 - 13:20	Jong Phil Kim <i>Dongguk Univ.</i>	Bioengineering Approaches for the Efficient Cell Reprogramming
13:20 - 13:40	Chang Kyu Lee <i>Seoul Nat. Univ.</i>	Noncanonical Features of Pluripotent Stem Cells in Domestic Animals- A Pig Review

Time	Speaker	Title
13:40 - 14:00	Sang Hwan Hyun <i>Chungbuk Nat. Univ.</i>	Development of Transgenic Pigs for the application of Brain Cancer Model.
14:00 - 14:20	Sung Su Kang <i>Chonnam Nat. Univ.</i>	Practical development of transgenic pig collagen-based bone scaffolds for bone regeneration
14:20 - 14:40	Min Kyu Kim <i>Chungnam Nat. Univ.</i>	Increasing efficiency in production of cloned piglet
14:40 - 15:00	Ho Sup Shim <i>Dankook Univ.</i>	Blastocyst Complementation: Promises and Problems

15:00 - 15:10 Coffee Break

Session III :

15:10 – 15:20

Time	Speaker	Title
15:10 - 15:40	Shen Hui Shim <i>Harbin Medical Univ.</i>	Epigenetic reprogramming in nuclear transferred embryo
15:40 - 16:00	Jeong-Woong Lee <i>Korea Research Institute of Bioscience and Biotechnology</i>	Establishment of pig cell lines by CRISPR/Cas9
16:00 - 16:20	Deog-Bon Koo <i>Daegu Univ.</i>	Ganglioside GM3 reduces epidermal growth factor receptor mediated PI3K/AKT signaling pathways in porcine oocyte maturation <i>in vitro</i>
16:20 - 16:40	In Chul Choi <i>Chungnam Nat. Univ.</i>	Comparative study on tight junction biogenesis in mammalian pre/peri-implantation embryo
16:40 - 17:00	Teoan Kim <i>Catholic Univ. Daegu</i>	Production of therapeutic protein using transgenic chicken
17:00 - 17:20	Huk Song <i>Konkuk Univ.</i>	Spermatogonia stem cells: specific markers and differentiation

17:20 – 17:50 Discussion

17:50 Closing Remark ----- Nam Hyung Kim/CABX President

18:00 Reception