

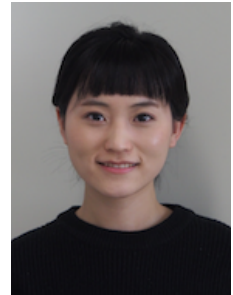
〈Sponsored Symposium〉

Genome editing in mammals: recent technical innovations and advancements in application

Part-1: Technical innovations of genome editing

1. Generation of genome edited pigs by cytoplasmic injection of TALEN or CRISPR/cas9 mRNA into zygotes.

Sayaka Yashima, Meiji University (Sponsored by S Ltd.)



2. A simple-step generation of genetically modified pigs by genome editing by electroporation of Cas9 protein (GEEP) method.

Fuminori Tanihara, Tokushima University (Sponsored by BEX Co., Ltd.)



3. Highly efficient genome editing in embryos by using the Super Electroporator NEPA21.

Tomoji Mashimo, Osaka University (Sponsored by Nepa Gene Co., Ltd.)



Part-2: Advancements in application of genome editing

4. Targeted manipulation of epigenome using CRISPR/Cas9.

Takuro Horii, Gunma University



5. Subverting porcine genetics and tissue ontogeny for regenerative medicine.

Scott Fahrenkrug, Recombinetics, Inc (Sponsored by Recombinetics, Inc)

