

Stanford



Fabian Suchy

Postdoctoral Scholar, Stem Cell Biology and Regenerative Medicine

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Stanford University , STMRM-PHD (2021)
- BS, University of Wisconsin, Madison , Molecular Biology (2012)

STANFORD ADVISORS

- Hiro Nakauchi, Postdoctoral Research Mentor

Publications

PUBLICATIONS

- **Removal of sperm tail using trypsin and pre-activation of oocyte facilitates intracytoplasmic sperm injection in mice and rats.** *The Journal of reproduction and development*
Torikai, K., Shimizu, K., Nagatomo, H., Kasai, M., Kato-Itoh, M., Kamada, Y., Shibasaki, I., Jeon, H., Kikuchi, R., Wakayama, S., Suchy, F., Nakauchi, H., Wakayama, et al
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- **Chimpanzee and pig-tailed macaque iPSCs: Improved culture and generation of primate cross-species embryos.** *Cell reports*
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- **Generating human artery and vein cells from pluripotent stem cells highlights the arterial tropism of Nipah and Hendra viruses.** *Cell*
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- **Generation of Functional Organs Using a Cell-Competitive Niche in Intra- and Inter-species Rodent Chimeras.** *Cell stem cell*
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- **Sufficiency for inducible Caspase-9 safety switch in human pluripotent stem cells and disease cells.** *Gene therapy*
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- **Mosaicism diminishes the value of pre-implantation embryo biopsies for detecting CRISPR/Cas9 induced mutations in sheep** *TRANSGENIC RESEARCH*
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2018; 9: 286+
- **Intra-embryo Gene Cassette Knockin by CRISPR/Cas9-Mediated Genome Editing with Adeno-Associated Viral Vector.** *iScience*
Mizuno, N., Mizutani, E., Sato, H., Kasai, M., Ogawa, A., Suchy, F., Yamaguchi, T., Nakauchi, H.
2018; 9: 286–97
- **An interspecies barrier to tetraploid complementation and chimera formation** *SCIENTIFIC REPORTS*
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- **iPSC-Derived Organs In Vivo: Challenges and Promise** *CELL STEM CELL*
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- **CRISPR/Cas9 microinjection in oocytes disables pancreas development in sheep** *SCIENTIFIC REPORTS*
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- **Improved expression and purification of sigma 1 receptor fused to maltose binding protein by alteration of linker sequence** *PROTEIN EXPRESSION AND PURIFICATION*
Gromek, K. A., Meddaugh, H. R., Wrobel, R. L., Suchy, F. P., Bingman, C. A., Primm, J. G., Fox, B. G.
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