

Publications

Ong, W.K.; Chakraborty, S.; and Sugii, S. (2021) Adipose Tissue: Understanding the Heterogeneity of Stem Cells for Regenerative Medicine. *Biomolecules* 11, 918.

Sriram, S.; Kang, N.Y.; Subramanian, S.; Nandi, T.; Sudhagar, S.; Xing, Q.; Tong, G.J.L.; Chen, A.K.L.; Srija, T.C.; Tan, P.; Loh, Y.H.; Chang, Y.T.; and Sugii, S. (2021) Novel Live Cell Fluorescent Probe for Early Reprogramming Human iPS Cells -

derived Stem Cells. *Stem Cells*

Xing, Q.R.; El Farran, C.A.; N.Y.; Sugii, S., Chang, Y.T.; Loh, Y.H. (2020) Diversification of single-cell transcriptome and eaba1190.

Sayed, A.; Chakraborty, S. thioredoxin-like effector from and nuclear translocation of

Sugii, S.; and Velan, S.S. Chapter 25, *Quantitative Methods*

Sriram, S.; Yuan, C.; Chakraborty, W.; & Sugii S. (2019) Oxidative of human adipose-derived s

Yuan, C.; Chakraborty, S.; C Prakash, K.N.; and Sugii, S. Robust, High Throughput *Ba*

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Singapore. *Cytotherapy* 20, 1103-1109.

Yau, W.W.; Singh, B.K.; Lesmana, R.; Zhou, J.; Sinha, R.A.; Wong, K.A.; Wu, Y.; Bay, B.H.; Sugii, S.; Sun, L.; and Yen, P.M. (2018) Thyroid Hormone (T₃) Stimulates Brown Adipose Tissue Activation via Mitochondrial Biogenesis and mTOR-mediated Mitophagy. *Autophagy* 15, 131-150.

Dev, K.; Dinish, U.S.; Chakraborty, S.; Renzhe, B.; Andersson-Engels, S.; Sugii, S.; Olivo, M. (2018) Quantitative In Vivo Detection of Adipose Tissue Browning Using Diffuse Reflectance Spectroscopy in Near-infrared II Window. *J. Biophotonics* e201800135.

Guneta, V.; Zhou, Z.; Tan, N.S.; Sugii, S.; Wong, T.C.; and Choong, C. (2017) Recellularization of Decellularized Adipose Tissue-derived Stem Cells: Role of Cell-secreted Extracellular Matrix in Cellular Differentiation. *Biomater. Sci.* 6, 168-178.

Dinish, U.S., Wong, C.L., Sriram, S., Ong, W.K., Balasundaram, G., Sugii, S.*, and Olivo, M.* (2017) Diffuse Optical Spectroscopy and Imaging to Detect and Quantify Adipose Tissue Browning. *Sci. Rep.* 7, 41357. (*Co-corresponding Author)

Nguyen, P.N., Choo, K.B., Huang, C.J., Sugii, S., Cheong, S.K., and Kamarul, T. (2017) miR-524-5p of the primate-

Qiu, W., Wee, K., Takeda, K., Lim, X., Sugii, S.*, Radda, G.K., and Han, W*. (2013) Suppression of Adipogenesis by Pathogenic Seipin Mutant Is Associated with Inflammatory Response. *PLOS ONE* 8, e57874. (*Co-corresponding Author)

Yang, W., Thein, S., Guo, X., Xu, F., Venkatesh, B., Sugii, S., Radda, G.K., and Han, W. (2013) Seipin Differentially Regulates Lipogenesis and Adipogenesis through a Conserved Core Sequence and an Evolutionarily Acquired C-terminus. *Biochem. J.* 452, 37-44.

Yang, W., Guo, X., Thein, S., Xu, F., Sugii, S., Baas, P.W., Radda, G.K., and Han, W. (2013) Regulation of Adipogenesis by Cytoskeleton Remodeling Is Facilitated by Acetyltransferase MEC-17-Dependent Acetylation of α -Tubulin. *Biochem. J.* 449, 605-612.

Sugii, S., and Evans, R.M. (2011) Epigenetic Codes of PPAR γ in Metabolic Disease. *FEBS Lett.* 585, 585-592.

and Glial Cells from the Niemann-Pick Type C1 Mice. *J. Lipid Res.* 44, 1010-1019.

Cruz, J.C., Thomas, M., Wong, E., Ohgami, N., Sugii, S., Curphey, T., Chang, C.C.Y., and Chang, T.Y. (2002) Synthesis and Biochemical Properties of a New Photoactivatable Cholesterol Analog 7,7-azcholestanol and its Linoleate Ester in