


## Aaron Tze Kai Tan

Ph.D. Student in Stem Cell Biology and Regenerative Medicine, admitted Autumn 2019

 NIH Biosketch available Online

### Bio

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#### HONORS AND AWARDS

- A\*STAR National Science Scholarship (PhD), Agency for Science, Technology & Research (A\*STAR) (June 2019)
- EMBO/SCSS Conference Travel Award, European Molecular Biology Organization, Singapore Stem Cell Society Singapore (September 2018)
- Development, Regeneration and Stem Cell Biology Honours Class Prize, The University of Edinburgh (November 2017)
- Duke of Edinburgh's International Award, National Youth Achievement Award Council (October 2014)
- A\*STAR National Science Scholarship (BS), Agency for Science, Technology & Research (A\*STAR) (July 2013)
- Academic Award for Outstanding Performance Academic Year 2012/2013, Singapore Polytechnic (April 2013)
- A\*STAR Science Award (Polytechnic), Agency for Science, Technology & Research (A\*STAR) (November 2012)

#### MEMBERSHIP ORGANIZATIONS

- International Society for Experimental Hematology (ISEH), Graduate Student Member
- International Society for Cell and Gene Therapy (ISCT), Early Stage Professional Committee
- CamBioScience, Graduate Student Member
- Genetics Society USA, Graduate Student Member
- Royal Society of Biology, Associate Member
- Genetics Society UK, Graduate Student Member
- International Society for Stem Cell Research, Graduate Student Member
- Stem Cell Society Singapore, Graduate Student Member
- Singapore Society for Biochemistry and Molecular Biology, Graduate Student Member
- American Society for Hematology (ASH), Graduate Student Member

#### EDUCATION AND CERTIFICATIONS

- BSc (Hons) 1st Class, The University of Edinburgh , Development, Regeneration, and Stem Cell Biology (2018)
- Diploma (Distinction), Singapore Polytechnic , Biotechnology (2013)

#### LINKS

- My LinkedIn: <https://www.linkedin.com/in/aaron-tze-kai-tan-8a2b65102/>

## Publications

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### PUBLICATIONS

- **Secreted Particle Information Transfer (SPIT) - A Cellular Platform for In Vivo Genetic Engineering.** *bioRxiv : the preprint server for biology*  
Charlesworth, C. T., Homma, S., Suchy, F., Wang, S., Bhadury, J., Amaya, A. K., Camarena, J., Zhang, J., Tan, T. K., Igarishi, K., Nakauchi, H.  
2024
- **Physioxia improves the selectivity of hematopoietic stem cell expansion cultures.** *Blood advances*  
Igarashi, K. J., Kucinski, I., Chan, Y. Y., Tan, T., Khoo, H. M., Kealy, D., Bhadury, J., Hsu, I., Ho, P. Y., Niizuma, K., Hickey, J. W., Nolan, G., Bridge, et al  
2023
- **Large-Scale Production of Wholly-Cellular Bioinks via the Optimization of Human Induced Pluripotent Stem Cell Aggregate Culture in Automated Bioreactors.** *Advanced healthcare materials*  
Ho, D. L., Lee, S., Du, J., Weiss, J. D., Tam, T., Sinha, S., Klinger, D., Devine, S., Hamfeldt, A., Leng, H. T., Herrmann, J. E., He, M., Fradkin, et al  
2022: e2201138
- **METABOLIC PROFILING OF MOUSE HEMATOPOIETIC STEM CELL SELF-RENEWAL AT SINGLE-CELL RESOLUTION**  
Tan, A., Hartmann, F., Wilkinson, A., Nakauchi, H., Nolan, G.  
ELSEVIER SCIENCE INC.2022: S145
- **Human Finger-Prick Induced Pluripotent Stem Cells Facilitate the Development of Stem Cell Banking** *STEM CELLS TRANSLATIONAL MEDICINE*  
Tan, H., Toh, C., Ma, D., Yang, B., Liu, T., Lu, J., Wong, C., Tan, T., Li, H., Syn, C., Tan, E., Lim, B., Lim, et al  
2014; 3 (5): 586–98