

## HONG KEE, TAN

Postdoctoral Fellow  
Hurles Faculty Group  
Wellcome Trust Sanger Institute

### Education

**National University Singapore** Mar 2019  
Doctor of Philosophy (PhD)

**Nanyang Technological University** Dec 2011  
Bachelor of Science (Chemistry & Biological Chemistry)

### Research/Working Experience

**Prof. Matthew Hurles Lab/WSTI – Postdoctoral Fellow** Apr 2019 – Current

**Prof. Daniel Tenen's Lab/CSI/NUS – Graduate Student** Aug 2014 – Mar 2019

**Dr. Loh Yui Han's Lab/IMCB/A\*STAR – Research Officer** Mar 2012 – Jun 2014

### Publications

1. [Hong Kee Tan](#); Chan-Shuo Wu; Jia Li; Zi Hui Tan; Jordan R. Hoffman; Christopher J. Fry; Henry Yang; Annalisa Di Ruscio; Daniel G. Tenen, DNMT3B maintains the mCA landscape and regulates the mCG status of bivalent promoters in human embryonic stem cells. *Nucleic Acids Res.* **2019** Aug 22; 47(14):7460-7475
2. Justin L. Tan; Feng Li; Joanna Z. Yeo; Kol Jia Yong; Mahmoud A. Bassal; Guo Hao Ng; May Yin Lee; Chung Yan Leong; [Hong Kee Tan](#); Chan-shuo Wu; Bee Hui Liu; Tim H. Chan; Winston Y. Chan; Siyu Wang; Siming Ma; Nikki R. Kong; Alicia J. Stein; Matan T. Thangavelu; Giridharan Periyasamy; John M. Asara; Huck Hui Ng; Yoganathan Kanagasundaram; Siew Bee Ng; Wai Leong Tam; Li Chai; Daniel G. Tenen, A high-throughput screen reveals SALL4-induced oxidative phosphorylation vulnerabilities in cancer. *Gastroenterology* **2019** Dec; 157(6):1615-1629
3. Bee Hui Liu; Chacko Jobichen; C. S. Brian Chia; Tim Hon Man Chan; Jing Ping Tang; Theodora X.Y. Chung; Jia Li; Anders Poulsen; Alvin W. Hung; Xiaoying Koh-Stenta; Yaw Sing Tan; Chandra Verma; [Hong Kee Tan](#); Chan-Shuo Wu; Feng Li; Jeffrey Hill; Joma Joy; Henry Yang; Li Chai; J. Sivaraman; Daniel G. Tenen, Targeting cancer addiction for SALL4 by shifting its transcriptome with a pharmacologic peptide. *PNAS* **2018** July 24 115(30): E7119-E7128
4. Fan Cao; Yiwen Fang; [Hong Kee Tan](#); Yufen Goh; Jocelyn Yeen Hui Choy; Bryan Thean Howe Koh; Jiong Hao Tan; Nicolas Bertin; Aroul Ramadass; Ewan Hunter; Jayne Green; Matthew Salter; Alexandre Akoulitchev; Wilson Wang; Wee Joo Chng; Daniel G Tenen; Melissa J Fullwood, Super-Enhancers and Broad H3K4me3 Domains Form Complex Gene Regulatory Circuits Involving Chromatin Interactions. *Sci Rep* **2017** May 19;7(1):2186. **\*co-first author**
5. Hong Yu Chen; [Hong Kee Tan](#); Yui-Han Loh, Derivation of Transgene-Free Induced Pluripotent Stem Cells from a Single Drop of Blood. *Curr Protoc Stem Cell Biol* **2016** Aug 17; 38:4A.9.1-4A.9.10.
6. [Hong Kee Tan](#); Cheng-Xu Delon Toh; Dongrui Ma; Binxia Yang; Tong Ming Liu; Jun Lu; Chee Wai Wong; Tze Kai Tan; Hu Li; Christopher Syn; Eng Lee Tan; Bing Lim; Yoon Pin Lim; Stuart A. Cook; Yui Han Loh, Human finger-prick induced pluripotent stem cells facilitate the development of stem cell banking. *Stem Cells Transl Med* **2014**, 3, 586-598.

### Patents

1. Yui Han Loh; [Hong Kee Tan](#), Method for inducing pluripotency in a hematopoietic cell. Publication no. US 20160376558 A1. Publication date: Dec 29, 2016