



## Kah Chin Jerry TOH

Research Scientist

+65 6 824 7138

jtoh@nbl.a-star.edu.sg

Research Scientist, NanoBio Lab, Singapore, 2019-present

Postdoctoral Fellow, NanoBio Lab, Singapore, 2018-2019

Postdoctoral Fellow, Institute of Bioengineering and Nanotechnology, Singapore, 2014-2018

Lab Officer, Institute of Bioengineering and Nanotechnology, Singapore, 2013-2014

Ph.D. Candidate, Institute of Bioengineering and Nanotechnology, Singapore, 2008-2013

Ph.D. in Integrative Sciences and Engineering, National University of Singapore, 2014

B.Sc. in Chemical Engineering, National University of Singapore, 2008

## Publications

1. S. Cai, D. H. Lukamto, J. K. C. Toh, R. G. Huber, P. J. Bond, J.-E. Jee, T. C. Lim, P. Liu, L. Chen, Q. V. Qu, S. S. Lee, S.-G. Lee, "Directing GDNF-Mediated Neuronal Signaling with Proactively Programmable Cell-Surface Saccharide-Free Glycosaminoglycan Mimetics," *Chemical Communications*, 55 (2019) 1259-1262
2. J. L. Cheong, J. Lim, J. K. C. Toh, J.-E. Jee, L. L. Wong, S. Venkataraman, S. S. Lee, S.-G. Lee, "Effects of Incorporation of Azido Moieties into the Hydrophobic Core of Coiled Coil Peptides," *Chemical Communications*, 51 (2015) 3793-3796
3. P. Liu, L. Chen, J. K. C. Toh, Y. L. Ang, J.-E. Jee, J. Lim, S. S. Lee, S.-G. Lee, "Tailored Chondroitin Sulfate Glycomimetics via a Tunable Multivalent Scaffold for Potentiating NGF/TrkA-Induced Neurogenesis," *Chemical Science*, 6 (2014) 450-456
4. D. Raghothaman, M. F. Leong, T. C. Lim, J. K. C. Toh, A. C. A. Wan, Z. Yang, E. H. Lee, "Engineering Cell Matrix Interactions in Assembled Polyelectrolyte Fiber Hydrogels for Mesenchymal Stem Cell Chondrogenesis," *Biomaterials*, 35[9] (2013) 2607-2616
5. M. F. Leong, J. K. C. Toh, C. Du, K. Narayanan, H. F. Lu, T. C. Lim, A. C. A. Wan, J. Y. Ying, "Patterned Prevascularised Tissue Constructs by Assembly of Polyelectrolyte Hydrogel Fibres," *Nature Communications*, 4 (2013) 2353
6. A. C. A. Wan, M. F. Leong, J. K. C. Toh, Y. Zheng, J. Y. Ying, "Multicomponent Fibers by Multi-Interfacial Polyelectrolyte Complexation," *Advanced Healthcare Materials*, 1 (2012) 101-105

## Patents

---

1. A. C. A. Wan, M. F. Leong, T. C. Lim, J. Y. Ying, J. K. C. Toh, "Device For Manufacturing Polymer Fibers And Uses Thereof," US Patent Granted in May 2017, Singapore Patent Granted in January 2017
2. A. C. A. Wan, T. C. Lim, M. F. Leong, J. Y. Ying, J. K. C. Toh, "Hair Follicle-Like Structures Assembled in Interfacial Polyelectrolyte Complexation Fibers for Hair Drug Assays," US Patent Granted May 2015