

# JIN LIN

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## Education

2016- M.Eng candidate, Biomedical Engineering, National University of Singapore(NUS)  
2012-2015 B. Eng, Minor in Design-Centric Programme(DCP), NUS  
2010-2015 B. Eng (hons), Chemical & Biomolecular Engineering, NUS  
2007-2010 Diploma, High School Affiliated to Southwest University

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## Honors

2016- Mediatek Graduate Scholarship,NUS  
2010-2015 PRC Undergraduate Scholarship,NUS  
2010 Bai Yan Scholarship, High School Affiliated to Southwest University

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## Researches & Works

2016- MediaTek-NUS Collaborative Research Project (M.Eng Candidate)  
• Project topic: "Portable Remote Health Monitoring System Through a Wireless Microfluidic Device."  
2014-2015 DCP-Engineering in Translational Medicine  
• Project topic: "Pump Free 3D Microfluidic Cell Culture for Human Progenitor Liver Cell Differentiation."  
2012-2014 DCP-Engineering in Translational Medicine  
• Project topic: "Lipid-based Nanoparticles for Non-Steroidal Anti-Inflammatory Drugs(NSAIDs) Delivery in Postoperative Pain Management"  
2013 Institute of Materials Research and Engineering (IMRE), Research Intern  
• Project topic: "Development of High Performance Nanocomposites in the Application of Offshore Industry."

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## Publications

- An auto-regeneratable electrochemical aptasensor for continuous monitoring of biomolecules enabled by ion concentration polarization, **L, Jin**, D-T, Phan, T, Sun,C-H, Chen, MicroTAS 2017
  - Real-time ATP monitoring in human serum by an nanofluidic device integrated with an aptamer sensor, D-T Phan, **L, Jin**, S, Wustoni, C-H Chen, The 7th International Multidisciplinary Conference on Optofluidics 2017
  - Heterogeneous multi-compartmental hydrogel particles as synthetic cells for incompatible tandem reactions, H. Tan, S. Guo, N. Dinh, R. Luo, **L. Jin** and C. H. Chen\*, Nature Communications, 2017, accepted.
  - A pump-free microfluidic 3D perfusion platform for the efficient differentiation of human hepatocyte-like cells. Ong, L. J. Y., Chong, L. H., **Jin, L.**, Singh, P. K., Lee, P. S., Yu, H., ... & Toh, Y. C. (2017). Biotechnology and Bioengineering.
  - A Pump-free 3D microfluidic platform for long term differentiation of human liver progenitor cells, Ye, L.O.J., Chong, L.H., **Jin, L.**, Zhong, E.T.Y., Toh, Y.-C. MicroTAS 2016
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## Leadership Records

2017- West Coast Toastmasters Club, President  
2016-2017 West Coast Toastmasters Club, Vice President Membership  
2014 NUS DCP Students' Club, Publications Head  
2012-2013 NUS-OSA iCARE Network, Project Director

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