
Prof. Leo Chen Huei

Assistant Professor

Affiliation: Science, Mathematics and Technology

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Education

- PhD: 2012, RMIT University, Melbourne, Australia
- Postdoc: 2012 – 2016, University of Melbourne, Australia

Year joined SUTD

- Feb 2017

Research/Teaching Interests

Prof Leo's research interest focuses on the blood vessels and particularly the cells that line in the interior surface of blood vessels. These cells not only act as barrier between the vessel lumen and surrounding tissue, but they are also important in the regulation of vascular tone through the secretion of several vasoactive molecules. Through Prof Leo's research efforts, he has published several landmark scientific papers describing the impact of several diseases such as diabetes, pre-eclampsia and hypertension on blood vessel function. His research also involves designing new alternative therapeutics for vascular diseases, which opens a potential new direction for the prevention and treatment of vascular diseases. Some of his research projects received funding support and partnership from pharmaceutical companies. By leveraging with his international collaborators, industry partners and multi-disciplinary research focus within SUTD, his research will continue to utilize the latest biomedical science and technology to understand and discover new therapies to improve the healthcare needs of patients suffering from vascular diseases.

Selected Research Funding

1. Pedagogy Innovation Grant: S\$17,680 (Co-PI)
2. Diabetes Australia Research Grant: A\$60,000 (Co-PI)
3. Ferring Singapore Innovation Grant: S\$213,000 (PI)

Selected Awards & Achievements

1. Best Oral Presentation Award- International Conference on Scientific Frontiers in Natural Product Based Drugs
2. SUTD Faculty Early Career Award- Ministry of Education Singapore Teaching & Academic Research Talent Scheme