

**Name:** TOH Wei Seong

**Contact Information:**

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**Present Appointments:**

- Associate Professor with tenure, Department of Orthopaedic Surgery, Yong Loo Lin School of Medicine, NUS (5/2022-)
- Research Director, Department of Orthopaedic Surgery, Yong Loo Lin School of Medicine, NUS (3/2023-)
- Associate Professor (Joint), Faculty of Dentistry, NUS (5/2022-)
- Associate Professor (Courtesy), Department of Biomedical Engineering, College of Design and Engineering, NUS (1/2020-)
- Principal Investigator, Tissue Engineering Programme, Life Sciences Institute, NUS (11/2017-)
- Supervisor, Integrative Sciences and Engineering Programme, NUS Graduate School (10/2019-)

**Research Interest:** My research focuses on understanding the mechanisms for degeneration, and developing strategies for regeneration, of tissues of the musculoskeletal system.

**Teaching Areas:** Graduate Research Methodology, Principles of Tissue Engineering, Cellular Bioengineering

**Academic/Professional Qualifications:**

- BSc (2003), University of Melbourne, Australia; MSc (2006), PhD (2010), National University of Singapore, Singapore

**Career History:**

- Assistant Professor (9/2013 - 12/2019), Associate Professor with tenure (1/2020 - 4/2022), Faculty of Dentistry, NUS
- Research Scientist, Institute of Bioengineering and Nanotechnology, A\*STAR (2012 - 2013)
- A\*STAR International Fellow, VA Boston, Brigham and Women's Hospital, Harvard Medical School (2010 - 2012)

**Honors/Awards (Selected):**

- World's Top 2% Scientists (Stanford University, USA) from 2020 to present
- AUA Scholars Award (Asian Universities Alliance) in 2019
- Young Scientist Award (9<sup>th</sup> World Biomaterials Congress, China) in 2012
- A\*STAR International Fellowship Award (A\*STAR, Singapore) from 2010 to 2012
- President Graduate Fellowship Award (NUS, Singapore) from 2006 to 2010
- Dental Science Poster Award (Combined Scientific Meeting, Singapore) in 2005
- Singapore Association for Medical Laboratory Science Prize (Singapore Polytechnic, Singapore) in 1999

**Awards to Advisees (Selected):**

- Orthopaedic and Musculoskeletal Therapies Abstract Award (ISCT Annual Meeting, New Orleans Virtual) in 2021
- IADR Bernard Sarnat Award in Craniofacial Biology (96<sup>th</sup> IADR General Session & Exhibition, England) in 2018
- IADR Lion Dental Research Award (96<sup>th</sup> IADR General Session & Exhibition, England) in 2018
- Young Investigator Award (22<sup>nd</sup> Annual Meeting of ISCT, Singapore) in 2016

**Professional Activities (Selected):**

- Secretary, Society for Clinical Research and Translation of Extracellular Vesicles Singapore (SOCRATES)
- Member, ISEV Task Force on Regulatory Affairs and Clinical Use of Extracellular Vesicle Therapeutics
- Associate Editor, *Genes & Diseases* (IF: 6.9) (Elsevier) and Editorial Board, *Biomolecules* (IF: 4.8) (MDPI)

**Publications** ([Scopus](#) h-index 39; 13259 citations; >140 citations/paper; FWCI 2018-2023: 13.03) [Pubmed](#); [Researchgate](#); [Google](#)

- 83 journal papers (**7 highly cited papers in Web of Science**) and 5 book chapters

**Research Funding:** >SGD8M excluding indirect research cost

**Selected Original Research Articles as Corresponding/Senior Author**

- *Biomaterials* 2019, 200: 35-47. (IF: 14; **Highly cited paper** in Web of Science)
- *Biomaterials* 2018, 156: 16-27. (IF: 14; **Highly cited paper** in Web of Science)
- *Osteoarthritis and Cartilage* 2016, 24(12): 2135-2140. (IF: 7; **Highly cited paper** in Web of Science)