



Launching Space Mechanobiology for Cell Biology and Diseases

Presented by

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Abstract and Biography

One of Australia's leading exponents of space biology and health, Dr Joshua Chou is passionate about finding new ways to deal with debilitating diseases by applying engineering principles to unanswered biological questions. A senior lecturer and Group Leader in the School of Biomedical Engineering in the Faculty of Engineering & IT (FEIT) at UTS, Joshua's innovative research focuses on developing different biological tools to understand cellular and disease mechanotransduction. He is also a committee member on the Australian Space Agency Space Medicine and Life Science group to advice on the development of this exciting area of biology in Australia.

In this presentation, Dr. Chou will share with the audience the biology behind microgravity research and its application in understanding and unlocking the mechanobiological pathways and mechanisms of diseases.

Please join us to learn more about how you can apply microgravity technologies to your research and help the global efforts in addressing the challenges of human space exploration whilst advancing human healthcare here on Earth.

