

GIRLS IN PHYSICS BREAKFAST Thursday, 30th May

Abstract: In this talk, **Dr. Suzie Sheehy** explores the atom smashing world of particle accelerators. She'll speak about her work in designing these fascinating machines, how they are used to treat half of all cancer cases and how charged particles are enabling a more precise form of treatment: proton therapy. Dr. Sheehy will also discuss a new project which brings together her expertise in particle accelerators with the global challenge of access to cancer care. She'll discuss how developing robust, modular and cheaper radiotherapy accelerators can meet this need in challenging environments including the islands of Indonesia and even outback Australia.

Biography: Dr. Suzie Sheehy's research focuses on developing new particle



Photographer: Stuart Bebb

accelerators for future applications in areas such as medicine and energy. From this year she will be returning to lead a new research group at the University of Melbourne (where she did her degree) while continuing to lead her group at the University of Oxford, where she holds a Royal Society University Research Fellowship.

Suzie is also an award-winning public speaker, presenter and science communicator, dedicated to sharing science beyond the academic community. She is an expert TV presenter for Impossible Engineering with Discovery Channel and in 2018 delivered her first TED talk as part of TEDx Sydney.

This event is sponsored by The Laby Foundation, Vicphysics Teachers' Network, the Victorian Branch of the Australian Institute of Physics and supported by the Royal Society of Victoria.

Colliding worlds: using particle physics to cure cancer.
with Dr Suzie Sheehy, Oxford and Melbourne Universities

And ... have breakfast with young women in the early stages of a career in physics or engineering.

'I was talking to a guest at my table and her career sounded so amazing. Then I realised that in 8 years that could be me. I got so excited.'

Then two activities on Careers in STEM.

To sign up, see _____

Cost: \$15 Max: 6 students

7:30am - 10:00am

William Angliss Institute

555 La Trobe St, Melbourne

