

Girls in Physics Breakfast

Tuesday, 10th March, 7:30am to 9:30am *

SuniTASTE Restaurant, 453 Benetook Ave, Mildura

To: Women in, or planning for, a career in Science or Engineering
Would you like to:

- Have breakfast with a table of keen students and like-minded women?
- Answer the students' questions about university or working in Science and Engineering?

Then you are invited to the Girls in Physics Breakfast and to also hear Dr Suzie Sheehy from the University of Melbourne and Oxford University on:

'Colliding worlds: Using particle physics to cure cancer'

- * From 9:30am to 10:00am, there are Careers in STEM Activities which are of value to students and guests alike.

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.

Suzie went to school in Mildura before going to the University of Melbourne then to Oxford University. Her research focuses on developing new particle accelerators for future applications in areas such as medicine and energy. She has returned to lead a new research group at the University of Melbourne 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. <http://suziesheehy.com/>



Photographer: Stuart Bebb

To attend, please register at www.vicphysics.org/breakfast.html by Friday, 29th February. **There is no cost to you.** Any queries: vicphys@vicphysics.org.

This event is sponsored by Bank Australia, the Laby Foundation, Vicphysics Teachers' Network and supported by the Royal Society of Victoria.

