VicPhysics

GIRLS IN PHYSICS
@GEELONG 2026

Treating Cancer with Radiology

Natalie Clements
Senior Medical Physicist, GenesisCare

FOR STUDENTS IN YEARS 10, 11 & 12 INTERESTED IN A CAREER IN STEM

Meet like-minded students and women who have a career in STEM.
Ask questions and explore different pathways that might work for you!

SCAN FOR MORE INFO

Monday August 17, 2026
Morning Tea | 9.30am to 12.00noon
Davidson Room Gordon Institute,
Fenwick St, Geelong

No Cost
(Max. 12 Students per school)

"I was talking to a guest at my table and her career sounded so amazing. Then I realised that in eight years that could be me. I got so excited!" - Year 10 Student

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Speaker Bio: Natalie Clements is a Medical Physicist at GenesisCare Victoria, where cancer patients get treated with radiation therapy.

At the clinic in Frankston, Natalie does quality assurance testing of the radiotherapy machines, and she consults on complex patient cases and radiation safety concerns.

Natalie's job includes research to improve medical diagnostics and treatments for cancer patients, presenting at conferences, and mentoring medical physics students through their 3-year traineeship.

Abstract: The growing and ageing population in Australia means the incidence of cancer is rapidly increasing, putting pressure on the healthcare industry to treat cancer patients with the most up-to-date technology and techniques.

Medical Physicists are constantly in demand as we are at the forefront of testing and commissioning the many different machines and computer systems that are used to image and treat cancer patients. While we tend to work in the background and are largely unseen by cancer patients, we are a crucial aspect of them receiving high quality and accurate radiotherapy.

This talk will explore the use of physics to treat cancer, and the roles that Medical Physicists play throughout a patient's radiotherapy journey.

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