

# Girls in Physics Breakfast

Wednesday, 18th March, 8:00am to 9:50am\*

Davidson Restaurant, Gordon TAFE, Geelong

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 in Geelong and to also hear Dr Elizabeth Hinde speak on

*'Glow in the dark: Using fluorescence to observe DNA in a living cell'*

\* From 9:50am to 10:15am, there are Careers in STEM Activities which are of value to students and guests alike.

*Abstract: Fluorescence microscopy: what it is, how it works, how it is used and what it reveals. Fluorescence microscopy helps to visualise how molecules move through the three dimensional DNA molecule in a living cell. This relates to how genes produce proteins and why genes sometimes produce the wrong protein, which can lead to cancer.*

Dr Elizabeth Hinde is at the Department of Biochemistry and Molecular Biology, University of Melbourne. In 2010 Elizabeth completed her PhD in fluorescence spectroscopy at the University of Melbourne and was then recruited to the University of California. There Elizabeth developed fluorescence methods to quantify the interactions of chromatin, which are bundles of DNA in live cells. This work was recognised by the US Biophysical Society with the 2014 Young Fluorescence Investigator Award and by the Australian Society of Biophysics with the 2016 McAulay-Hope Prize for Original Biophysics.



To attend, please register at [www.vicphysics.org/breakfast.html](http://www.vicphysics.org/breakfast.html) by Monday, 9th March. **There is no cost to you.** Any queries, [vicphys@vicphysics.org](mailto:vicphys@vicphysics.org).

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