

GIRLS IN PHYSICS BREAKFAST

WE INVITE...

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're invited to the Girls in Physics Breakfast and to also hear
Prof Frances Separovic from the University of Melbourne on...



MRI OF MOLECULES: BIOPHYSICS MEETS CELL CHEMISTRY

PROF FRANCES SEPAROVIC

UNIVERSITY OF MELBOURNE

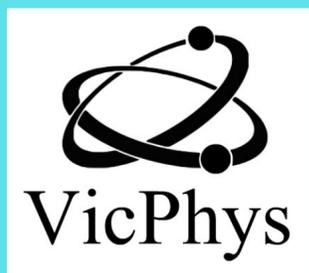
7:30 to 10:00am

Thursday 14th July 2022

Brother Fox, Deakin University

Warnambool

There is no cost to you



FOR ENQUIRIES AND TO REGISTER -

[HTTPS://VICPHYSICS.ORG/EVENTS/GIRLS/BREAKFAST/](https://vicphysics.org/events/girls/breakfast/)



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GIRLS IN PHYSICS BREAKFAST

GUEST SPEAKER



Prof Frances Separovic
UNIVERSITY OF MELBOURNE

MRI OF MOLECULES: BIOPHYSICS MEETS CELL CHEMISTRY

Speaker:

Prof Frances Separovic is Emeritus Professor of Chemistry and Deputy Director of the Bio21 Molecular Science & Biotechnology Institute, University of Melbourne. After obtaining a BA from Macquarie University, Frances was awarded a PhD in Physics from University of NSW. She has held several honorary positions at international institutions including Harvard Medical School and University of Oxford. Her research interests range from membrane biophysics to determining the structure of biological macromolecules with a focus on antibiotics and toxins. In 2019 Frances received an AO for her distinguished service to science education, as an academic, and to young women scientists.

Abstract:

Nuclear Magnetic Resonance (NMR) enables the structure and function relationship of large biomolecules to be determined. This talk will include a brief introduction to NMR spectroscopy, which led to the development of MRI, and how it is used to determine the 3D atomic structure of molecules. We are using NMR to determine the interaction of antibiotics with cell membranes and unravel the interactions of biomolecules from Alzheimer's disease.



SHARE YOUR EXPERIENCE WITH SECONDARY STUDENTS

THURSDAY 14TH JULY 2022, 7.30AM - 10.00AM

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