



Vanessa Robins



STEM field(s): Mathematics and Science (theoretical physics)

Born: Canada, moved to Australia as an infant. Attended primary and secondary school in Brisbane



‘To me, innovation comes from having the freedom to daydream a little and explore questions that just grab your attention and mean something to you.’

- Had a talent for mathematics, and loved learning about all areas of natural science.
- Has a PhD in Applied Mathematics (Computational Topology).
- Started a Bachelor degree in physics before switching to maths.
- Research interests include the mathematical description of shape and pattern, including a focus on computational topology and image processing and applications in the natural sciences.
- Is currently Associate Professor at the Australian National University and supervises undergraduate and graduate research projects.
- Has published over 30 research papers on mathematics, algorithms, and applications to scientific problems.
- Collaborated with artists Julie Brooke and Alison Munroe, of the ANU School of Art and Design, as part of an exhibition *The art of science in jewellery, metal, tape and music*.
- Awarded an Australian Research Council Future Fellowship in 2014.