

SCIENCE in STEWARTON

TUESDAY 20TH FEBRUARY

6:30pm – 8:00pm

STEWARTON ACADEMY

Cairnduff Place, Stewarton, KA3 5QF

Building new microscopes to study life

Professor Gail McConnell, Strathclyde Institute of Biomedical Sciences

The microscope has existed for centuries, but it is still one of the most widely used technologies in biology. My work involves developing new types of microscope that give new insights into life. I will talk about the microscopes we are building and will show examples of how we are applying them to understand human health.



Gail is a Professor at the Strathclyde Institute of Pharmacy and Biomedical Sciences but is neither a pharmacist or a biomedical expert. She is a physicist, who was trained as a laser engineer. She likes light and is interested in using it to study biology, but she has no formal biology training. She has been at Strathclyde since she left school, and there she leads a group of researchers who build and use new kinds of light microscopes to understand different aspects of human health.

How will the session work?

- The session is free and open to everyone.
- We begin with refreshments from 6.30 to 7pm.
- Then we settle in to café style seating to explore our universe with a short talk by our speaker, followed by an open informal discussion.