



The Royal Society of New South Wales

Southern Highlands Branch 21st November 2013 Lecture



Professor Elizabeth Harry

Liz Harry is Professor of Biology and Deputy Director of the ithree institute at the University of Technology, Sydney (UTS). Liz obtained her PhD at the University of Sydney then went to Harvard University as a National Institutes of Health (NIH, USA) Postdoctoral Fellow. There she pioneered the development of microscopy techniques for 'seeing' where proteins are in a bacterial cell. These techniques have revolutionized our view of the internal organization of bacterial cells. Her research on bacterial cell division has had a significant impact on our understanding of how bacterial cells multiply, and how they control this process to ensure equal partitioning of chromosomes vital for survival. She has worked with industry to develop novel antibiotics that target this process in pathogens, and to examine how natural products function as effective therapeutics for infectious disease. Liz was awarded an Australian Eureka Prize for Scientific Research in 2002 and the Australian Society for Microbiology Frank Fenner Award in 2008 recognition of her distinguished contributions to Australian research in microbiology.

Topic : Superbugs

Antibiotic resistance is a major health concern; and the community needs to know about it. There are now bacteria causing infections to which we cannot treat with current antibiotics because they just don't work. Scientific research is playing an increasingly vital role in addressing this issue on a number of levels, including the discovery of new antibiotics to which bacteria are not resistant, of effective vaccines to prevent infection, and of alternative treatments to reduce the resistance issue. There are also several ways in which we can all do something about it, at an individual and community level. It starts with understanding the problem and this is what I would like to share with the community in a simple, easy-to-follow way.

- DATE:** Thursday 21st November 2013 **TIME:** 6.30 PM
- VENUE:** Performing Arts Center. Chevalier College Bowral
[Enter off Charlotte St.](#)
Doors open 6 pm.
- PRICES:** Lecture only: Non-members \$10 (RS Members \$5) only students are free.
Following the lecture, there will be a dinner open to members and non-members at :
[BRIARS BURRADOO](#)
Booking for dinner by Monday November 18th is essential.
Any other queries please contact Hub 0411192917