

# Café Scientifique Headingley

Monday 8 November 2021

## Are we sleepwalking into the world's next pandemic of bacterial antibiotic resistance?

by Colin Garner



**Outline:** Antibiotic resistance, where bacteria become resistant to antibiotics, is a natural process whereby bacteria protect themselves through mutation from the killing effects of antibiotics. Resistance poses a significant health problem as antibiotics underpin most of modern medicine. It has been estimated that if the current situation does not improve, there could be up to 10 million deaths globally by 2050 from resistant infections. Without effective antibiotics medical procedures become riskier, if not impossible. My talk will focus on the problems caused by drug-resistant infections and possible solutions to have a world free from these infections. The talk also looks at the work of Antibiotic Research UK and what impact a small charity can have on this major health problem as well as what individual actions we can all take to reduce resistant infections.

*Prof Colin Garner BPharm PhD DSc FRCPath is Chief Executive & founder of Antibiotic Research UK, the world's first publicly funded charity focussed on tackling drug-resistant infections, Colin studied at London University but spent most of his academic career at the University of York. Colin has created two research labs at York, spun out three start-up companies, founded a scientific journal and a scientific society and created two charities. Colin has a strong belief in bridging the gap between academic science and the public at large. He sees Antibiotic Research UK as a practical demonstration of this goal through its mission of tackling antibiotic resistance through research, education and patient services.*

**Venue:** The New Headingley Club, 56 St Michael's Rd., Leeds LS6 3BG

**Time:** Club opens at 7:00pm for drinks & the room at 7:30; talk begins promptly at 7:45pm

**Entry:** Donation please for room hire and expenses: **£3 at the door**



Café Scientifique Headingley is a programme run under the auspices of the Headingley Development Trust. More from our website:

<http://cafesci.hdtleeds.org.uk/>