



Lichfield Science & Engineering Society

LICHFIELD **GARRICK**
Theatre & Studio

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ANTIMICROBIAL RESISTANCE – IS PHAGE THERAPY THE ANSWER?

**Professor Martha Clokie
University of Leicester**

**8:00 pm on Tuesday, 11th March 2025
In the Lichfield Garrick Studio Theatre**



Professor Clokie is a Professor of Microbiology at the University of Leicester and Director of the Becky Mayer Centre for Phage Research.

Her research investigates the identification and development of bacteriophages (phages) that kill human and animal pathogens in an effort to develop new antimicrobials. She encompasses all aspects of phage therapy development – from unravelling fundamental biology to product development, and commercialization. Currently Professor Clokie is developing phages for major gut pathogens including clostridial and Salmonella species, respiratory pathogens and for antibiotic-resistant bacteria that cause urinary tract infections. Her work is regularly and recently featured on the BBC, for example In Our Time, The Life Scientific, the iconic Infinite Monkey Cage and the Today Programme.

In her talk Professor Clokie will discuss phage therapy, the use of specific bacterial viruses to treat disease, which is currently undergoing a revival of interest worldwide. It is particularly applicable to target diseases where bacteria are resistant to antibiotics or occur in difficult to reach parts of the body that render antibiotic treatment ineffective. In the drive to reduce our reliance on antibiotics, phage therapy can be developed to remove selectively specific bacterial pathogens whilst maintaining or restoring a healthy commensal microbiota.

For further information, please see our website at www.LSES.org.uk
Students and Members Free.

Visitors £8.00. Tickets are not issued in advance, please pay at the door.

Members must sign in. Those signing in before 7:50 pm will have precedence over all visitors.

This lecture is expected to finish by 9.30 pm.