

MICR BIOTALK

by Biocodex Microbiota Institute

2024 World AMR Awareness Week

Antimicrobial resistance

The microbiota at the core of a silent pandemic

Educate: Human, environment & animal resistome



Elitsa PENKOVA

→ **Ph.D. student** at the **University of Exeter**, focusing on assessing health risks related to exposure to antimicrobial resistance (AMR) in freshwater environments.

→ Her research specifically investigates how swimmers in rivers might be exposed to antibiotic-resistant bacteria and genes, aiming to understand the **potential public health implications of AMR transmission** through natural freshwater environments.



Antimicrobial Resistance in Rivers – a Public Health Risk?

Elitsa Penkova



University
of Exeter

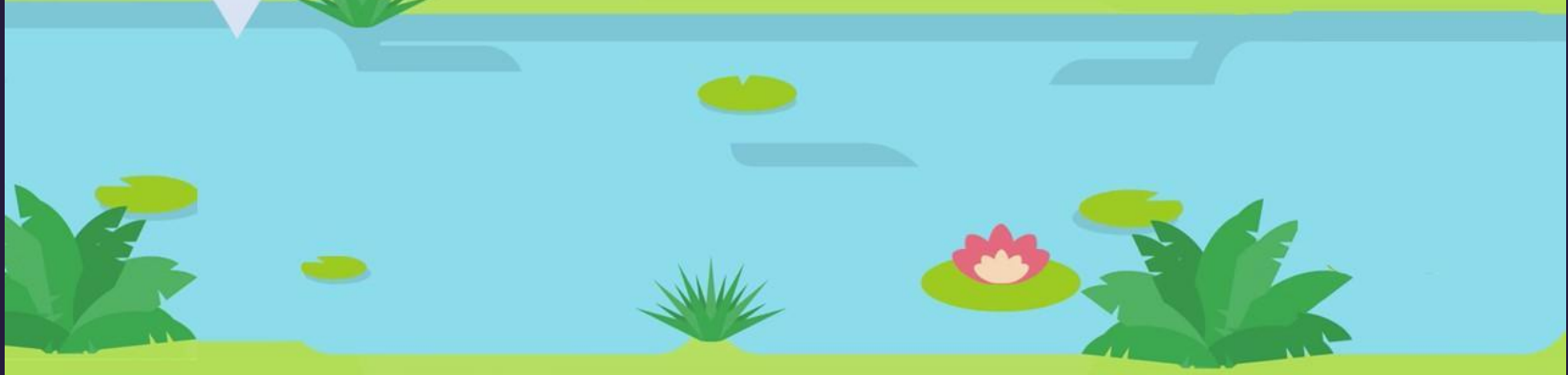


UK CEH

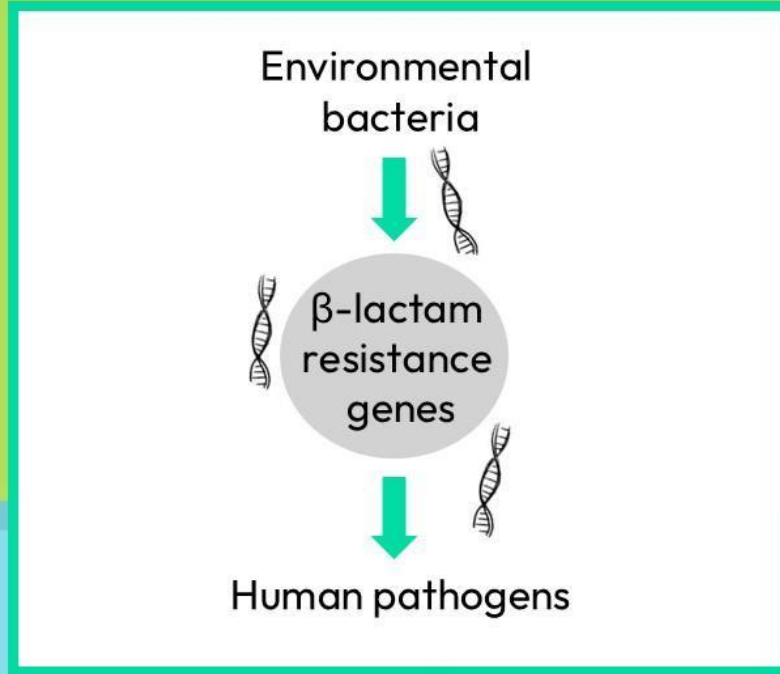


UK Health
Security
Agency

Environmental bacteria



Environmental bacteria



Environmental bacteria



Human & animal bacteria



Are wild swimmers at higher risk of carrying antibiotic-resistant bacteria?

