

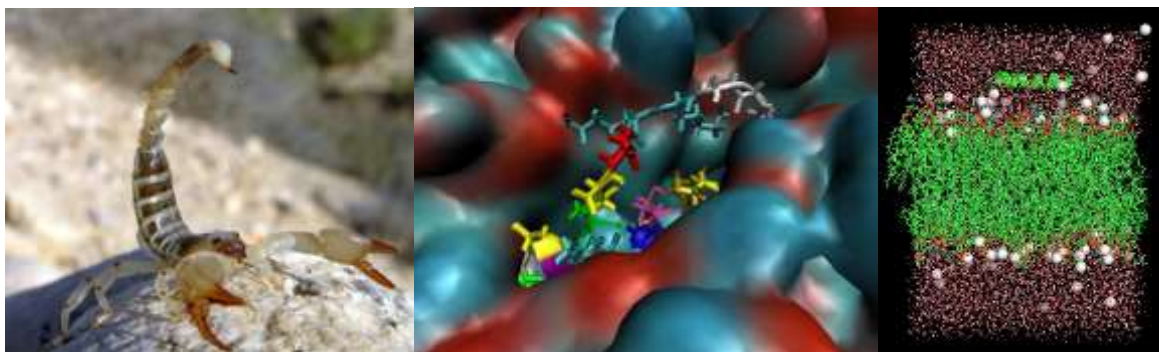
# Café Scientifique Headingley

Monday 17th July 2023

Medicine from Poisons:

Antibiotics from Snake and Scorpion venoms

By: Keith Miller



**Outline:** Venoms don't seem like a very obvious place to discover new medicines. However, venom-producing animals are amongst the most ancient multi-cellular animals on the planet, with their venom the product of hundreds of thousands, and in some cases millions of years of evolution. As we face an era where infections, simple or complex, may not be treatable with conventional antibiotics due to antibiotic resistance could we find solutions from these dangerous sources?

**Speaker:** *Keith Miller is a Senior Lecturer in Medical Microbiology at Sheffield Hallam University. Keith studied Medical Microbiology at the University of Leeds, UK, gaining his PhD for work on antibiotic resistance mechanisms in hypermutable bacteria. He completed post-doctoral projects funded by the UK Department of Health, Novartis and the UK Medical Research Council at the University of Leeds on antibiotic resistance mechanisms of linezolid-resistant staphylococci and the development of novel antimicrobial agents against Mur ligases and RNA polymerase. He then joined Sheffield Hallam University in 2008 where his group research the molecular mechanisms of antibiotic resistance and develop novel natural product derived antimicrobials.*

*Keith is a former council and grant committee member for the British Society for Antimicrobial Chemotherapy and was also an editorial board member for the Journal of Medical Microbiology, published by the Microbiology Society.*

**Venue:** The New Headingley Club, 56 St Michaels Road, LS6 3BG

**Time:** Room opens 7:30pm, Talk begins promptly at 7:45pm

**Entry:** Donation please for room hire and expenses: £4 at the door



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