



### Content

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## Internal news and events

At 1.00 today Dr Aimee Murray will deliver her State of the Art talk “Not-so natural selection: the role of environment pollution in the rise of antimicrobial resistance”



[Please register here](#)

SUNDAY 3 JULY 11 – 3PM



CORNWALL  
SCIENCE  
COMMUNITY

Cornwall Science Community excursion: AK Wildlife Cruise with Emily Stevenson (Founder of Beach Guardian and microbiology PhD Researcher at ESI/ ECEHH). [Read more](#). Emily will be talking with us about primary and second microplastics, and, as part of the cruise, will be collecting microplastics from the ocean using wildlife-friendly methods.

## Congratulations to...

**Emily Stevenson** and colleagues have just had a new paper published on **Anti-fungal exposure and resistance development.**

Please scroll down for full article later in the publications section.



## OTHER NEWS

### £1.8 million funding boost from UKRI

We have been awarded more than £1.8 million to enable researchers to unlock the potential value of their work, and kickstart new ways in which to tackle some of the most pressing issues of our time. The funding is from UK Research and Innovation (UKRI) as part of its Impact Acceleration Account (IAA), which is designed to help academics speed up the impact of their research.

### **Doctoral Career Development fund**

This fund is to support additional training, research and innovation that builds on any aspect of their studentship training (including their PIPS/CASE placement) under the following areas:

- Develop new lines of research for Fellowship applications
- Explore new interdisciplinary research and innovation collaborations
- Explore the application of their doctoral research and/or training beyond academia for economic or societal impact in other sectors

This can take place at any external organisation from any sector (including the university where the student undertook their PhD).

**Eligible students:** Any BBSRC-funded PhD student registered/formerly registered at a GW4 university (this includes DTP and CTP students) and have submitted or are to submit their thesis between 1st January 2021 - 31st March 2022.

### **Types of activities:**

As part of this we are supporting 3 types of activities:

- Placements (up to £15k) - can be research or non-research based.
- Engagement visits (up to £1k) - to organisations of interest to explore placement and collaboration opportunities and to develop networks.
- Skills development and training - courses/seminars to support their own development needs.

[Link](#) to the student application forms and guidance for your information

## Ideas and advertising opportunities

If you have any ideas or opportunities that would come under this funding umbrella, please do not hesitate to get in contact with us to discuss further. We aim to be as flexible as possible with this fund.

## Deadlines

*Applications:* These will be reviewed bi-monthly by the DTP, so students will be asked to submit their application by the end of the following months; Jan, Mar, May, Jul, Sept.

*Activities:* Need to have taken place by 31st Dec 2022

## Reminder: Public engagement expressions of interest

TREE (Translational Research Exchange @ Exeter <https://www.exeter.ac.uk/research/tree/>) are seeking expressions of interest from AMR researchers, who are interested in participating in a pop-up shop event that is currently in development. If you have an idea for an activity, would like support to develop an activity, or want to gain experience in public engagement we would like to hear from you! To find out more, please contact Rachel Etherington, Communities Engagement Manager [r.l.etherington@exeter.ac.uk](mailto:r.l.etherington@exeter.ac.uk)

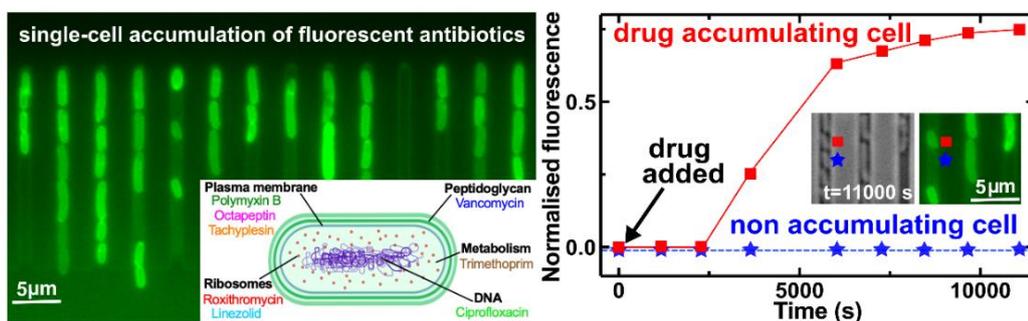
If you have project updates or resources that you think might be of interest to other members of the Network, we would be pleased to highlight them through this monthly newsletter – contact us on [AMR-Network@exeter.ac.uk](mailto:AMR-Network@exeter.ac.uk)

## Publications

### FAST BACTERIAL GROWTH REDUCES ANTIBIOTIC ACCUMULATION AND EFFICACY

*eLife* 2022;0:e74062. DOI: <https://doi.org/10.7554/eLife.74062>

by U. Łapińska, M. Voliotis, K. K. Lee, A. Campey, M. R. L. Stone, B. Tuck, W. Phetsang, B. Zhang  
K. Tsaneva-Atanasova, M. A. T. Blaskovich, S. Pagliara



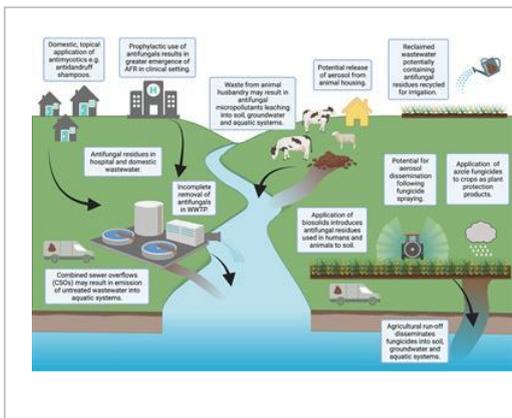
**BACTERIAL COLONISATION DYNAMICS OF HOUSEHOLD PLASTICS IN A COASTAL ENVIRONMENT** Science of The Total Environment (2022): 156199.

<https://www.sciencedirect.com/science/article/pii/S004896972203296X>

by Lear, Luke, Daniel Padfield, Tirion Dowsett, Maia Jones, Suzanne Kay, Alex Hayward, and Michiel Vos.

**ANTIFUNGAL EXPOSURE AND RESISTANCE DEVELOPMENT**

<https://www.frontiersin.org/articles/10.3389/ffunb.2022.918717/full>



[Antifungal Exposure and Resistance Development: Defining Minimal Selective Antifungal Concentrations and Testing Methodologies](https://www.frontiersin.org/articles/10.3389/ffunb.2022.918717/full)

[www.frontiersin.org](https://www.frontiersin.org)

By Emily M Stevenson, Will Gaze, Neil Gow, Alwyn Hart, Wiebke Schmidt, Jane Usher, Adilia Warris, Helen Wilkinson and Aimee Murray

Don't forget to use #ExeterAMR

GW4 AMR Alliance



GW4 AMR Alliance

The [GW4 AMR Alliance](https://www.gw4amralliance.org/) continues to welcome new members from all disciplines and working at any level.

## How to join

Please sign up [here](#) to complete a short online registration form (this link can also be found on the [website](#) along with our Privacy Policy). If you have any queries, please do contact the AMR Alliance team at [amr@gw4.ac.uk](mailto:amr@gw4.ac.uk)

If you would like to find out more about the GW4 AMR Alliance and its aims, as well as hear about some of the research that is taking place across the four partner universities of Bath, Bristol Cardiff and Exeter, please have a look at the launch event [here](#).

## GW4 AMR Alliance ECR and PGR Network

The GW4 AMR Alliance ECR and PGR Network is working to develop its community network. You can find out more, including key contacts at each of the four partner universities and information on the developing events programme, on the dedicated webpage [here](#). There is also a link to join the network on the same page.

The next Lightning Talks event will be on **Monday 18 July, 15.00-16.30 via zoom**. This is an opportunity to participate in/hear short (3 min) talks from GW4 Alliance ECRs and PGRs working in a range of AMR disciplines and to network in smaller breakout groups hosted by committee members. Booking is now open via the attached link:

<https://www.eventbrite.co.uk/e/lightning-talks-networking-event-gw4-amr-alliance-ecr-and-pgr-network-tickets-333553456367>

## External news and events

### Funding opportunities

#### MRC GW4 Biomed DTP call for projects (2023-24) now open

The call for projects for the MRC GW4 Biomed DTP is now open with a closing date of **Monday 18<sup>th</sup> July**. Full details can be found [here](#)

These are well funded studentships and students get a lot of support and training opportunities through the DTP. There are up to 20 studentships available to start in October 2023 (across the GW4 partners).

The three central themes of the DTP are: Neuroscience and Mental Health; Infection, Immunity, Antimicrobial Resistance & Repair; Population Health Sciences

Data Science, Interdisciplinary skills, Translation and Innovation and In vivo Skills are all cross-cutting themes so there is a scope for a broad range of projects to be eligible.

If anyone is interested in submitting then please contact myself ([e.pitchforth@exeter.ac.uk](mailto:e.pitchforth@exeter.ac.uk)) or Kate Ellacott ([k.ellacott@exeter.ac.uk](mailto:k.ellacott@exeter.ac.uk)).

## Sector news

**The World Health Organisation** have published a piece on Lack of Innovation around antibiotic performance and the impact on possible health gains: <https://www.who.int/news/item/22-06-2022-22-06-2022-lack-of-innovation-set-to-undermine-antibiotic-performance-and-health-gains>

**The European Commission** have a video hearing on Managing Antimicrobial Resistance across the health system: [https://ec.europa.eu/health/latest-updates/video-recording-hearing-managing-antimicrobial-resistance-across-health-system-20-june-2022-2022-06-21\\_en](https://ec.europa.eu/health/latest-updates/video-recording-hearing-managing-antimicrobial-resistance-across-health-system-20-june-2022-2022-06-21_en)  
(click on more information to access the video).

Colleagues at **University of Bristol** have begun work on antimicrobial resistance on Welsh farms: <https://www.bristol.ac.uk/news/2022/june/arwain-dgc-.html>

**Oxford University** published an article earlier this month on 'Common drug-resistant superbug develops fast resistance to 'last resort' antibiotic': <https://www.ox.ac.uk/news/2022-06-07-common-drug-resistant-superbug-develops-fast-resistance-last-resort-antibiotic-0>

**The Centre for Infectious Disease Research and Policy at the University of Minnesota** reported on a new project to explore the link between gender and antimicrobial resistance. Details of which can be found here: <https://www.cidrap.umn.edu/news-perspective/2022/06/stewardship-resistance-scan-jun-21-2022>

The **BSAC** launched a new hub earlier in the month looking at global antimicrobial stewardship: <https://bsac.org.uk/bsac-launches-global-antimicrobial-stewardship-partnership-hub/>

## Sector events

**The British Society for Antimicrobial Chemotherapy** is holding workshops on Outpatient Parenteral Antibiotic Therapy June to September as per the link below. The next one is 8 July in London. <https://opat-conference.com/regional-workshops/>

**The London School of Hygiene and Tropical Medicine** is holding a short online course on antimicrobial resistance 4<sup>th</sup> to 8<sup>th</sup> July: <https://www.lshtm.ac.uk/newsevents/news/2022/apply-now-short-course-antimicrobial-resistance>



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