



Biotechnology and
Biological Sciences
Research Council



Engineering and
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EBNet Newsletter - November 2022

New

Good News!

UKRI have extended our lifetime so we are pleased to announce that EBNet will now continue into 2025.

A new EBNet [Working Group](#) is now open:

[Bioelectrochemical Development for Environmental Technology](#)

Led by Dr Sharon Velasquez Orta, Newcastle University - this group will promote education, collaboration and research by merging microbiology, engineering, material and biotechnology disciplines in the study of bioelectrochemical systems.

[EBNet Webinar: Aerobic granulation in continuous operating mode and its commercialisation](#)

Thursday, 14th November 2022 at 12.30-13.30

Don't miss this opportunity to hear from Dr Sudhir Murthy, NEWhub Corp/Columbia University/IWA. [Register here now](#).

[EBNet Webinar: Advances in Anaerobic membrane Bioreactors \(AnMBR\)](#)

Wednesday, 7th December 2022 at 13.00-15.00

Don't miss this opportunity to hear from Prof. Jules Van Lier, Prof. Bruce Jefferson and Dr Santiago Pacheco-Ruiz as we find out the latest developments in AnMBR from across the world. [Register here now](#). (Event rescheduled from spring.)



Now Open

EBNet funding opportunities for academia and industry are highlighted below.

[EBNet Placement Call](#) - Always open

These are worth up to £1,500 for UK-based placements and £3,000 for overseas placements.

[ECR Conference Travel Bursary](#) - Always open

Looking to present your work at a major conference and lack funding? We have support worth up to £1,500 for our listed conferences. Have something different in mind but want to

know if it is in remit? **Ask us**, in case we are able to help.

Are you getting the latest information from us?

More people are turning to EBNet for speedy access to events, reports, jobs, PhD/Postdoc positions etc. Join us on [LinkedIn](#) and [Twitter](#).

Spotlight On...

Do you have any good news to share with other members? Email us details if you want a shout-out in the next newsletter.



Member PhD opportunity

[Maximising resource recovery from wastewater sludge – developing biorefineries](#) -

Cranfield University - 29 November 2022 (UK only). Contact [Dr Yadira Bajon Fernandez](#).

Leadership by example?

Check out the Royal Society of Chemistry (RSC) [Sustainable labs report](#) where they asked the question "How do we reduce the environmental footprint of labs without compromising research quality?". This is intended to be the start of an ongoing programme looking at sustainable laboratory practices which may be a relevant question for many. But it does beg the question - whether in the bin or down the sink - what are our immediate responsibilities to minimise environmental pressures? (*This was a topic of general conversation at the last EBNet Early Career Researcher conference - particularly regarding single-use plastic.*)



Forthcoming Events

Find selected upcoming events below.

For more, go to: [Events Roundup](#).

[ECFP Wastewater Treatment Event](#) - 15/16 November 2022, The University of Edinburgh

[KTN: Agroforestry Innovation and Collaboration between the UK and Africa](#) - 16 November 2022

[Reservoir Microbiology Forum \(RMF\) 2022](#) - 16/17 November 2022

[Land Condition Symposium 2022](#) - 17 November 2022, Birmingham

[NBIC: #BiofilmWeek](#) - 18-24 November 2022

[Biovale: Developing a Winning Go-To-Market Strategy for your bio-based business](#) - 23 November 2022

[Biovale: Can the bioeconomy benefit your business?](#) - 24 November 2022

[HVB Training Workshop: Communicating for Impact](#) - 7 December 2022, York

[ChemUK 2023](#) - 10/11 May 2023, NEC, Birmingham

[The European Congress on Biotechnology](#) - 30 June - 3 July 2024, Maastricht, The Netherlands

Funding

Funding opportunities for academia and industry are highlighted below.

For more, go to: [Funding Roundup](#).



[IBioC: Spin-Out support programme/Facility Access Fund](#) - open

[HVB: Business Interaction Vouchers](#) - 11 November 2022

[HVB: Proof of Concept Call](#) - 25 November 2022

[AHRC: Design Exchange Partnerships: design the green transition](#) - 30 November 2022

[Innovate UK: Net zero living: pioneer places](#) - 30 November 2022

[Advanced Innovation Voucher](#) - 5 December 2022 (Scotland only)

[Innovate UK: Circular economy for SMEs: innovating with NICER, round 2](#) - 7 December 2022

[OfWat: The Water Breakthrough Challenge 3](#) - 8 December 2022

[BBSRC: Mid-range equipment for biosciences research: ALERT 2022](#) - 15 December 2022

[EPSRC: Early career researcher collaborations for global development](#) - 18 January 2023

[EPSRC: Early career researcher international collaboration grants](#) - 18 January 2023

[The Water Discovery Challenge](#) - 25 January 2023

[AHRC: Green Transition Ecosystems](#) - 6 April 2023



Jobs, Training, Awards & PhDs

Did you know we have funds available to help members access placements in industry or academia?

Jobs (also see [FindAPostDoc](#) & [Jobs.ac.uk](#))

[Professor: Materials for Green Energy Technologies](#) - University of Glasgow, 13 November 2022

[Research Associate Sustainable Hydrogen](#) - University of Sheffield, 14 November 2022

[2-Year Postdoctoral Science Research Fellowship to the US](#) - 6 February 2023

Training

[Energy Institute: Microbiologically Influenced Corrosion Course](#) - 14/15 November 2022, London

[EMBL-EBI: Introduction to multiomics data integration and visualisation](#) - 6-10 March 2023 (Applications close: 18 November 2022)

[EMBL-EBI: Introduction to metabolomics analysis](#) - 28-31 March 2023 (Applications close: 2 January 2023)

Awards and Competitions

[Green Stories competitions](#) - 23 & 30 November 2022

[Processes 2022 Best PhD Thesis Award](#) - 30 November 2022

[Processes 2023 Travel Award](#) - 31 March 2023

[The Sanger Prize Competition 2023](#) - 6 January 2023

PhDs (see [FindaPhD](#))

[Integrating digital modelling technology to accelerate sustainable bio-manufacturing process design](#) - The University of Manchester, 9 December 2022

[Re-defining the fates and toxicity profile of metal contaminants by organelle-specific correlative microscopy and spectroscopy](#) - University of York, 9 December 2022

[Can integrated constructed wetlands effectively mitigate nutrient pollution from small rural wastewater treatment plants?](#) - University of East Anglia, 11 January 2023

Publications

[Review article: Environmental Galenics: large-scale fortification of extant microbiomes with engineered bioremediation agents](#) - By: Victor de Lorenzo in Philosophical Transactions of the Royal Society Bv377 n1857 (20220815)

[Microbial electrosynthesis: is it sustainable for bioproduction of acetic acid?](#) - By: Siddharth Gadkari *et al.* In: RSC Adv., 2021, 11, 9921

[Microbial diversity alteration reveals biomarkers of contamination in soil-river-lake continuum](#) - By: Zeina Bourhane *et al.* In: Journal of Hazardous Materials. Volume 421, 5 January 2022, 126789

Still here?

Everyone enjoys a gadget as a present for Xmas. This year we're looking at composting*. For gardeners there is the "[Hot Bin](#)" which upgrades the standard compost heap to a warmer, faster version. For the kitchen there is the "[Lomi](#)" an electric kitchen-top device. For great visual appeal children seem to like "[Worm World](#)" where you can see the activity of decomposers in action. Or a wider array of "science" ideas can always be found at the [Science Museum](#) shop. (* Disclaimer - we are not recommending any particular products - merely exploring!)

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