



Joint NIBB ECR Workshop - October '23

EBNet Newsletter - October 2023

New

Bioelectrochemical Systems Workshop

23/24 November 2023, Newcastle University

Brought to you by the [Bioelectrochemical Development for Environmental Technology](#) Working Group. This event will strengthen your knowledge on BEC systems and give you tools to improve the impact of your research. Attendants will achieve the following: obtain a BEC Systems handbook that contains info on microbial and electrochemical analyses; engage in a lab demonstration for microbial biofilm analysis; engage in a lab demonstration for polarization and cyclic voltammetry analyses; participate in an outreach activity that provides tools to showcase BEC systems research.

This workshop is partially subsidised by EBNet as such a contribution is asked from participants to cover catering, venues and lab-consumables: Registration fee: £100 pounds. Early bird registration £80 pounds (*before 15 October*).

Limited places. Book your place now [here](#).

(Limited numbers of ECR Travel Bursaries available; email us to enquire.)

Life Cycle Assessment (LCA) for the EBNet Industrial Community - Goal & Scope

30 October 2023, University of Surrey

Brought to you by the [Process Integration and Sustainability Assessment](#) Working Group. This EBNet workshop aims to establish the Goal and Scope Definition of Life Cycle Assessment (LCA) following the ISO14040-44 principles for the UK anaerobic digestion systems. Key players in the field will be invited to set out the objectives and outreach of the fundamental tools and standardized methodologies. Industrial practitioners will be invited to share their problems. From here, the aim will be to merge the problems and solution approaches through more discussion-oriented meetings. The working group will identify some tangible problems to work on, e.g., optimising anaerobic digestion for net-zero. Pre-reading required, see [here](#). Limited to 20 places - register [here](#).



Now Open

EBNet funding opportunities for academia and industry are highlighted below.

EBNet: 6th Business Interaction Voucher (BIV) Call

Deadline: 16 October '23

Send in your application now! Details [here](#).

[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? Given the increased cost of international flights we have raised our support to **£2,000** (max.) for full oral presentations to our listed conferences in 2023/24. Send in your application as soon as you are notified - we have a number set aside for each conference!

[EBNet: Share With A Peer \(SWAP\) Travel Bursary](#)

Always open. Available to Early Career Researchers

Proud of the work going on in your lab? Fancy a visit to another lab tackling similar topics? We have just the thing for you, We can offer **up to £250*** towards accommodation, meals, and travel per person - just make a short video clip &/or pictures suitable for our website. [Flyer](#).

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.



[Special Issue from Water Reuse](#)

This IWA Special Issue aims to highlight the use of novel bioprocesses and technologies for enhanced recovery of value-added products from wastewater. Submission deadline: 28 February 2024. More [here](#).

[STEM for BRITAIN 2024](#)

This is a great opportunity to showcase your research in a Poster competition. The top prize is £1000, and the finals will be held in the Houses of Parliament on 4th March 2024. Deadline for entries: [27 November 2023](#)

[UP-TO-ME Power-to-Methanol](#)

UP-TO-ME is a project funded by the EU Horizon Europe framework. It aims to revolutionize decentralized Power-to-Methanol production. The goal is to create a fully autonomous unmanned plant that combines CO₂ capture from point- sources with the methanol synthesis, powered by the locally available renewable energy and it targets hard-to-electrify applications, such as marine vessels and heavy goods vehicles. Get the newsletter for an exclusive view of the project progress and the expected actions for the second year. Interested? Sign up [here](#).

[Future of the Ofwat Innovation Fund Survey](#)

Ofwat would welcome your thoughts on how the Innovation Fund can develop to continue to support innovation over the period 2025-2030 and beyond. Want to feed into their design thinking for the next Innovation Fund? Take the survey - [here](#).

[IEA TASK 37: Energy from Biogas](#)

Encompassing 17 countries, the aim of the Task 37 work programme is to address the challenges related to the economic and environmental sustainability of biogas production and utilisation. It is home to a number of freely available reports, and now welcomes Professor Sonia Heaven, University of Southampton/EBNet as the UK lead. More [here](#).

[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](#).



Forthcoming Events

Find selected upcoming events below.

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

[Biovale: Showcasing AD Research in Yorkshire](#) - 24 October 2023

[IEA TASK 37: Strategies for emission control on biogas upgrading plants](#) - 25 October

2023, Niederwil, Switzerland

[CIWM webinar: What's New Out There? Legislation Updates You Need to Know](#) - 27

October 2023

[European Biosolids & Bioresources Conference & Exhibition](#) - 14/15 November 2023, Manchester

[REA: The Hydrogen Futures conference](#) - 14 November 2023, London

[CIWM: Festival of Circular Economy 2023](#) - 15/16 November 2023, Online

[Algae-UK: A Festival of Algae 3](#) - 21-23 November 2023

[ADBA National Conference](#) - 6 December 2023, London

[MICROBIOTEC'23](#) - 7-9 December 2023, Portugal

[E3BNet: Bio-recovery of technology-relevant metals](#) - 12-14 December 2023, Manchester

[The Carbon Recycling Network: 4th Annual Conference](#) - 25-27 March 2024, Cheshire

[IBioC: 10th Anniversary Conference](#) - 13/14 March 2024

[The Microbiology Society Annual Conference 2024](#) - 8-11 April 2024, Edinburgh International Convention Centre

[3rd BBNNet Conference: Biorefining – Clean Growth – Net Zero](#) - 10–12 April 2024, Sheffield

[13th IWA Micropol & Ecohazard Conference 2024](#) - 16-20 June 2024 (Abstracts by: 31 October 2023)

[EUBCE 2024](#) - 24-27 June 2024, Marseille

Funding

Funding opportunities for academia and industry are highlighted below.

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



[The Carbon Recycling Network: Proof of Concept Awards](#) - 16 October 2023

[The Royal Society: International Collaboration Awards – International Science Partnerships Fund](#) - 19 October 2023

[DEFRA: Farming Innovation Programme Small R&D Partnership Projects](#) - 25 October 2023

[The L'Oréal-UNESCO UK and Ireland For Women in Science Rising Talent Programme](#) - 25 October 2023

[Knowledge transfer partnerships: 2023 to 2024](#) - 1 November 2023

[Innovate UK: Global Incubator Programme: Canada - Ocean Scaleup Accelerator](#) - 5 November 2023

[Innovate UK BridgeAI: AI Solutions to improve productivity in key sectors](#) - 8 November 2023

[DEFRA: Farming Innovation Programme - feasibility](#) - 15 November 2023

[BBSRC: Flexible Talent Mobility Accounts](#) - 28 November 2023

[Innovate UK: UK - Germany Bilateral: Collaborative R&D](#) - 6 December 2023

[FEMS: Research and Training Grants](#) - 1 January 2024

[The Royal Society: Career Development Fellowship](#) - 24 January 2024

[NERC: Accelerating the Green Economy Centres](#) - pre-announcement

[E3BNet: ECR fellowship-planning visit fund](#) - open

[E3BNet: Collaboration-building workshop funding](#) - open



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](#))

[Research Fellow in Microbial Fermentation, Modelling & Control](#) - 15 October 2023, UCL

[Lecturer in Environmental Management and Sustainability](#) - 16 October 2023, Teesside University

[Director, Australian Centre for Water and Environmental Biotechnology](#) - 22 October 2023, The University of Queensland

[JSPS London: Pre/Postdoctoral Fellowship for Foreign Researchers \(Short Term\)](#) - 30 October 2023

Training

[REA: Understanding PAS100 in Full](#) - 1/2 November 2023

[Inspire – Restorative Aquaculture](#) - 6 November to 1 December 2023

[REA: Understanding PAS110 in Full](#) - 7/8 November 2023

[REA: Understanding and applying HACCP to AD and composting](#) - 28 November 2023

[CIWEM: Anaerobic Digestion](#) - 16 October 2023

Awards and Competitions

[RSB: Top Student Award](#)

[RAEng: Major Project Award for Sustainability](#) - 25 October 2023

PhDs (see [FindaPhD](#))

[NBIC: Industrial Advisory Board CTP PhD programme](#) - deadline extended: 18 October 2023

[Driving Sustainable Plastic Alternatives: Designing High-Value Consumer Products with Cell-Derived Biocomposites](#) - 14 October 2023, University of Canterbury

[Splitting spores: understanding how alarmone signalling controls bacterial sporulation](#) - 7 January 2024, University of Sheffield

[Understanding the drivers of viral lifestyles in the soil microbiome](#) - 7 January 2024, University of York

Publications

[From Wastewater Treatment Plants to the Oceans: A Review on Synthetic Chemical Surfactants \(SCSs\) and Perspectives on Marine-Safe Biosurfactants](#)

By: Karen C. L. Fung *et al.* In: Sustainability 2023, 15(14), 11436

[Membrane-assisted reactive crystallisation for the recovery of dissolved phosphorus in vivianite form from liquid effluents](#)

By: R. Jiménez-Robles *et al.* In: Separation and Purification Technology. Volume 326, 1 December 2023, 124712

[Challenges and recommendations in experimentation and risk assessment of nanoplastics in aquatic organisms](#)

By: Catarino, A.I. *et al.* In: Trends in Analytical Chemistry (accepted).

[Optical tastebuds for water analysis](#)

By: Justin R. Sperling *et al.* In: Optica Sensing Congress 2023, Technical Digest Series, paper AM2A.6

[Exploring novel alkane-degradation pathways in uncultured bacteria from the North Atlantic Ocean](#)

By: Mirna Vázquez Rosas Landa *et al.* In: mSystems. 2023 Sep 13:e0061923.

[Life cycle assessment of AnMBR technology for urban wastewater treatment: a case study based on a demo-scale AnMBR system](#)

By: A. Jiménez-Benitez *et al.* In: Journal of Environmental Chemical Engineering. Available online 29 September 2023, 111141

Still here?

To celebrate the conclusion of our short story competition with [Green Stories](#) we'd like to highlight other ways to share our enthusiasm for all things microbe. Prof. Mike Manefield, UNSW - who was our guest speaker at this years' ECR conference - is also [author and creator](#) of children's books like **Geo zaps his family** and jigsaw puzzles like **Bacterial cell structure**, **Eukaryotic cell structure** (500 pieces). Closer to home you can find the free [SUPERGEN comic](#). Or search for online sources such as the [Chilled Food Association](#) who sell everything from *Microtrumps playing cards* to *Nanobugs Temporary Tattoos*. Do you know any fun resources that bring EB to life?

Copyright © 2023 BBSRC Environmental Biotechnology Network (EBNet), All rights reserved.

Want to change how you receive these emails?
You can update your preferences or unsubscribe from this list.