



Biotechnology and
Biological Sciences
Research Council



Engineering and
Physical Sciences
Research Council



ECR24 conference poster session, Newcastle - 24-26 July 2024

EBNet Newsletter - September 2024

New

[The Next Wave: Skills Development for Emerging Professionals](#)

Friday, 25 October 2024, at the Manufacturing Technology Centre, Coventry

In combination with the [Institute of Water](#) and [MTC Coventry](#), the EBNet [ECR WG](#) have organised an unparalleled opportunity to network, gain valuable careers skills and develop professional connections via facilitated workshop activities. Throughout the day, you'll participate in sessions focused on career development, mentorship, and effective communication. Whether you're looking to refine your public speaking abilities, learn how to write compelling research papers or gain insights into career planning, this event has something for everyone.

This event is FREE to the **first 25** EBNet ECR members. We'll offer EBNet ECR Travel Bursaries worth **up to £250** towards travel/accommodation. Join the group for an (optional) informal gathering on Thursday evening (Thursday, 24th Sept - details tbc), with the event itself from **09.30 - 17.00 on Friday, 25th September 2024**.

Share the [Flyer](#), find out more and register for your place [HERE](#).

[Save the Date! 'LCA in Practice' Training](#)

28-30 October 2024, University of Surrey

This course aims to develop skills in the LCA methodology by providing in-depth training on LCA methodology, and practical experience of doing LCAs in practice. This concise course provides an overview of LCA methodology including impact assessment and management of uncertainty; and practical experience of executing an LCA using open sources as much as possible. It gives an exposure to a range of resources available to do LCA (life cycle inventory databases, life cycle impact assessment (LCIA) methods, etc.).

Find out more [HERE](#). Register for your place [HERE](#).

[Save the Date! 'Exploring Environmental Biotechnology as a Field' Workshop](#)

4 November 2024, 11.00-17.00, Central London (tbc)

Since May 2024, EBNet [Social Science Working Group](#) colleagues from the Universities of Sussex and Edinburgh, and CWTS in the Netherlands, have been researching the past, present and possible futures of environmental biotechnology. This event welcomes EBNet members to discuss the results of this research and to contribute to interactive sessions envisioning possible futures of the field.

Find out more [HERE](#). Register for your place [HERE](#).

[Webinar: 'New technologies for removing methane slips from biogas upgrading](#)

plants'

18 September 2024, 15.00 Danish time (Note that is 14.00 UK)

The Danish Technological Institute and IEA Bioenergy Task 37 invite you to an exciting webinar on methane slips. Speakers include:

Lukas Knoll, DBFZ, Jan Liebetrau, Rytec GmbH, Kurt Hjort-Gregersen, Danish Technological Institute.

Register by sending an e-mail to kuhj@teknologisk.dk

The UK-wide Research and Innovation (R&I) Workforce Survey

This survey is conducted by the Behavioural Insights Team (BIT) on behalf of the UK Government's Department for Science, Innovation and Technology (DSIT) and is your chance to help shape UK government R&I policies and government funding decisions. It covers the full diversity of occupations in the R&I workforce, including trainee or experienced researchers, technicians, engineers, R&I leaders and managers. The questions are crucial for understanding how the R&I workforce is affected by government policy, and will help government and funders make decisions based on evidence.

Participate [HERE](#).



Now Open

EBNet funding opportunities for academia and industry are highlighted below.

ECR Conference Travel Bursary and Placement Awards

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** for full oral presentations to conferences. Or up to **£3,000** for placements. Applications are now considered on a case-by-case basis but must occur within the next 6 months. Enquire early to see if we can help.

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](#).

CIWEM: Water and Environment Journal - Call for Papers -Environmental Biotechnology

Submission deadline: 31 January 2025

The guest editors are Dr Tao Lyu, Cranfield University and Dr Anjali Jayakumar, Newcastle University; heads of our PFAs and ECR [Working Groups](#) respectively. This special issue is open for participants of the EBNet ECR conference AND also the whole EBNet community.

Get involved to promote research that impacts EB. Take a look [HERE](#).

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.



BBSRC Forward Look for UK Bioscience 2024: Community Consultation

Respond by: 20 September 2024

BBSRC seek the views and input of the entire community to make sure their Forward Look continues to represent and reflect your views, priorities and values. Help deepen their understanding of the current drivers of bioscience research and innovation by taking the survey [here](#).

Mission Innovation Integrated Biorefineries Community Network

Interested in the forthcoming forthcoming EC programme (HORIZON-CL5-2024-D3-02-03)? To accompany the [briefing webinar](#) (23 September 12:00-14:00), BBSRC would like to draw your attention to the new Community Network. [Sign up](#) now to join the forum for identifying potential consortia partners in the UK, Canada, India, and Europe.

[The Earthshot Prize](#)

Nominations deadline: 15 December 2024

The Earthshot Prize was launched by Prince William in 2020 to search for and scale the most innovative solutions to the world's greatest environmental challenges. The five categories are: *Protect and Restore Nature*; *Clean our Air*; *Revive our Oceans*; *Build a Waste-Free World*; and *Fix our Climate*. Annual £1 million awards are made for each Earthshot. To put your ideas forward get in touch with a nominator [here](#).

[CIWEM: Why dry weather discharges of untreated sewage happen](#)

A topical viewpoint from CIWEM on the many underlying causes of spill events by Dr Peter Matthews.

[WASTE: 2023 Impact Report](#)

WASTE is an international development organisation catalysing sustainable solutions to urban challenges. Interested in their work supporting the UN SDGs? You can find their report & other publications, or sign up for their newsletter [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.

Find more at: [KTN events](#).

[NERC: Digital gathering 2024](#) - 11/12 September 2024, The University of Manchester

[Anaerobic digestion: How to Optimise your AD Plant](#) - 16 September 2024

[Interact 2024](#) - 19 September 2024, Northumbria University

[IFEAA: Net Zero Methane Hub - Farming Open Evening](#) - 19 September 2024, Chynoweth Farm, Cornwall

[Mission Innovation: Integrated Biorefineries Webinar 2](#) - 23 September 2024

[EPSRC: Health data for research workshop](#) - 24 September 2024

[Pioneer Presents: The environmental and economic potential of bio-based construction materials](#) - 25 September 2024, Redcar

[NERC: Environmental data research of the future workshop](#) - 26 September 2024, University of Glasgow

[IFEAA: Net Zero Methane Hub - Farming Open Evening](#) - 26 September 2024, Chynoweth Farm, Cornwall

[The Royal Society: Burlington Consensus 3 - A United Nations Science-Policy Panel for Chemicals, Waste and Pollution Prevention](#) - 27 September 2024, London

[The Royal Society: The ecology and evolution of microbial immune systems](#) - 30 September-1 October 2024, London

[Spatial Biology - SciLifeLab Science Summit](#) - 1 October 2024, Sweden

[The 2024 UNC Water and Health Conference: Science, Policy, and Practice](#) - 14-18 October 2024 (hybrid format), The Friday Center, NC, USA/Zoom. (Abstracts for the Technology Showcase by: 20 September 2024)

[Energy & Environmental Science symposium](#) - 23 October 2024, London

[Circular Economy in the Water Sector Crucible](#) - 30 October 2024, University of Strathclyde

[The Royal Society: Carbon dioxide detection in biological systems](#) - 18/19 November 2024, Manchester

[The British Society of Soil Science: Annual conference](#) - 4-6 December, Cardiff

[Standing Up For Science Workshop](#) - 6 December 2024

[The Carbon Recycling Network: Metabolic modelling workshop](#) - 9-13 December 2024, Jubilee Conference Centre, Nottingham

[SoBRA/RSC Winter Conference: Current Issues in Contaminated Land Risk](#)

[Assessment](#) - 10 December 2024, London ([ECR Poster competition](#) deadline: 1 November 2024 - some free places!).

Funding

Funding opportunities for academia and industry are highlighted below.

Find more at: [UKRI funding](#)



[IBioC: Feasibility funding/Spin-Out support programme](#) - open now

[RAEng: Green Future Fellowships](#) - open now

[The Royal Society: Entrepreneur in Residence scheme](#) - 18 September 2024

[BBSRC Follow-on Fund](#) - 15 October 2024

[EPSRC programme grant full application](#) - 17 October 2024

[Innovate UK: Innovation loans future economy](#) - 30 October 2024

[The Leverhulme Trust: International Fellowships](#) - 7 November 2024

[The Leverhulme Trust: Research Fellowships](#) - 7 November 2024

[NERC: Large grant full applications](#) - 12 November 2024

[UKRI cross research council responsive mode pilot scheme: round two outline stage](#) - 19 November 2024

[BBSRC: 2024 Transformative Research Technologies](#) - 28 November 2024

[The Society for Experimental Biology: Educational Research and Development Grant](#) - 31 January 2025



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](#))

[Senior Impact Manager - Industrial Biotechnology Innovation Centre](#) - 13 September 2024

[Lecturer \(Assistant Professor\) in Chemical Engineering](#) - 15 September 2024, University of Bath

[Sustainable Chemicals and Materials Manufacturing \(SCHEMA\) Hub Operations Manager and Equality, Diversity and Inclusiveness Manager](#) - 16 September 2024, University of Oxford

[Chair/Reader in Statistical Ecology](#) - 23 October 2024, University of St Andrews

[WASE](#) - various

Training

[EMBO Practical Course: Synthetic biology in action: engineering synthetic systems](#) - 15-22 September 2024, EMBL Heidelberg

[Secrets of Batch Process Scale-Up: Ensuring Effective Translation of Laboratory Processes to Pilot Plant Scale](#) - 23-25 September 2024, Portugal

[The Carbon Recycling Network: Metabolic modelling workshop](#) - 9-13 December 2024, Nottingham

Awards and Competitions

[The King's Awards for Enterprise](#) - 12 September 2024

[Biofilm Create! Photography and Art Competition](#) - 18 October 2024

[Bio-based and Biodegradable Industries Association \(BBIA\): Demeter Awards](#) - 31 October 2024

[The Biochemical Society Awards: various](#) - 1 November 2024

PhDs (see [FindaPhD](#))

[Biotechnological synthesis of nanocatalysts from industrial wastewaters](#) - Applications accepted all year round, The University of Manchester

[Ammonia futures – the changing face of atmospheric nitrogen emissions](#) - 31 December 2024, University of York

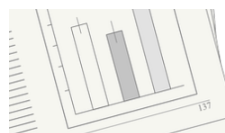
[Advancing Membrane Aerated Biofilm Reactor \(MABR\) Technology for Produced Water Treatment in Qatar](#) - 31 December 2024, Hamad Bin Khalifa University

[Smart Distribution: Online monitoring of biological water quality parameters in full-scale water distribution networks](#) - 31 December 2024, Hamad Bin Khalifa University

[EMBL: International PhD Programme](#) - next round opens in September

Publications

Have you seen something, or published anything recently, that you would like us to highlight?



[Biodegradation of oily waste sludge using vermiremediation and composting process bioaugmented with isolated hydrocarbon-degrading bacteria: Performance and ecotoxicity assessment](#)

By: Maral Alinoori *et al.* In: Environmental Nanotechnology, Monitoring & Management. Available online 4 August 2024, 100992

[Review on pesticide contamination and drinking water treatment in Brazil: The need for improved treatment methods](#)

By: Laura O Cossu *et al.* In: ACS EST Water 2024, August 15, 2024

[Exploring nanobubble technology for enhanced anaerobic digestion of thermal-hydrolysis pre-treated sewage sludge](#)

By: Tao Lyu *et al.* In: Bioresource Technology Reports (2024), Available online 17 August 2024, 101939

[Removal processes and estrogenic activity of bisphenol—A and triclosan using microalgae](#)

By: Karina Atengueño-Reyes *et al.* In: Algal Research. Available online 31 August 2024, 103670

[Editorial: FEAST of biosensors: Food, environmental, and agricultural sensing techniques](#)

By: Kang Mao Kang Mao *et al.* In: Front. Bioeng. Biotechnol. Sec. Biosensors and Biomolecular Electronics. Volume 12 - 2024

Still here?

STEM and the UK government

It is well-known that humanities graduates are overrepresented in the UK parliament. Indeed, according to [published research](#), of those MPs with higher education degrees, only 17% were in STEM; this compares to 46% for UK students (data: 2015-19). Yet scientific issues, technologies and solutions play a large role in our wider society.

One way to include more STEM insight into legislation is via the House of Lords.

Anyone can [apply to join](#) the House of Lords as an Independent Crossbench Peer. Peers scrutinise legislation and public policy, as well as create or amend existing bills. For instance, the Science and Technology committee publish their work [here](#). Any British, Irish or Commonwealth citizen over the age of 21 can apply and the role can be part-time. Find out more [here](#).

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