



Biotechnology and  
Biological Sciences  
Research Council



Engineering and  
Physical Sciences  
Research Council

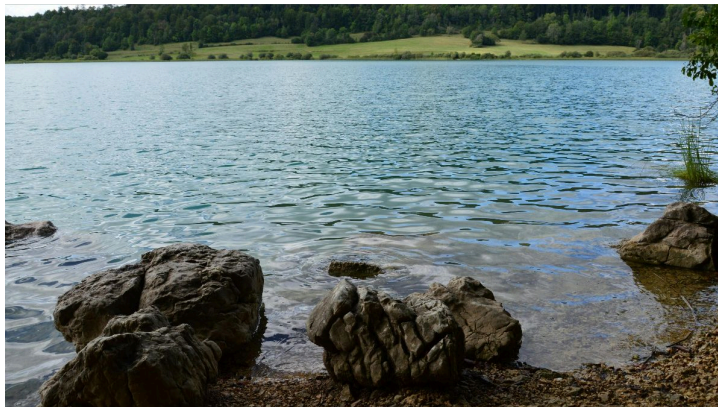


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## EBNet Newsletter - October 2024

### New

#### **[New Report: Sustainable Carbon Ambition for the UK Chemicals Industry](#)**

Innovate UK have created a Sustainable Carbon Ambition for the UK Chemicals Industry called *Ambition 2050*. The main aim is for the UK chemicals industry to double economic output and source 80% of its carbon requirements from non-virgin fossil, sustainable carbon sources. Read more [here](#).

#### **Global Centres Congratulations!**

Funding awards have been announced in the multimillion pound [Global Centres in Clean Energy and Climate Change competition](#). These awards focus on advancing bioeconomy research to solve global challenges, whether by increasing crop resilience, converting plant matter or other biomass into fuel, or paving the way for biofoundries to scale up applications of biotechnology for societal benefit. The UK leads of the six centres are the University of Surrey, Imperial College London, University of Oxford, The University of Manchester, Scottish Association for Marine Science, and Earlham Institute. Professor Jhuma Sadhukhan (Col of EBNet), University of Surrey and Angela Bywater (EBNet Co-Manager) are participating in the Global Centre for Sustainable Bioproducts spearheading the world's first 3D-printed biopolymers.

#### **Coming soon! EBNet: 2nd Bioelectrochemical Systems Workshop**

12-13 December 2024 (tbc), Newcastle University

A workshop of knowledge and interaction for researchers working or interested in bioelectrochemical systems for the environment. This event will strengthen your knowledge on bioelectrochemical systems and give you tools to improve the impact of your research.

Places are limited. Registration will open soon.



### 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](#).

#### [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 opportunity to network, gain valuable careers skills and develop professional connections via facilitated workshop activities.

Find out more and register [HERE](#). If full, join the Wait List; we may release more places.

#### [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.

Find out more and register [HERE](#). If full, join the Wait List; we may release more places.

#### [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 and register [HERE](#). If full, join the Wait List; we may release more places.

### 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.



#### [Report: Evaluating BBSRC investments in industrial biotechnology research](#)

This report summarises the conclusions of an expert review panel, established to conduct an evaluation of BBSRC's investments in IB research. Read it [here](#).

#### [Join the BBSRC Advanced Manufacturing and Clean Growth \(AMCG\) SAPs](#)

BBSRC Strategy Advisory Panels (SAPs) provide BBSRC with expert input and advice. Could you help advise BBSRC on transforming industries through bio-based processes and products in a new low-carbon bioeconomy? Deadline: 24 October 2024. Find details [here](#).

#### [Survey: Understanding the Digital Shift in Bioenergy](#)

Participate in a Supergen Bioenergy/University of Surrey research project exploring the digitalisation of bioenergy processes. It aims to gather insights on how digital technologies are currently being utilised in the sector, identify barriers to their broader adoption, and highlight opportunities to enhance efficiency and sustainability. Your expertise can help

shape strategic recommendations for accelerating digital innovation in bioenergy. Deadline: 20 December 2024. Complete the survey by accessing the link [here](#).

**[Report: Securing the Future of Microbiome Research and Innovation: The Need for Biobanking Infrastructure in the UK](#)**

This is a National Biofilms Innovation Centre-facilitated report from CABI Agriculture and Bioscience. It highlights the importance of microbes in health, agriculture, and the environment, and the need to conserve microbial resources for research and innovation.

The report calls for a microbiome biobank. Find it [here](#).

**[Report: IFEAA Manure Emissions](#)**

IFEAA has released a new white paper on underestimations of methane emissions in national inventories. Read it [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](#)

**[Horizon Europe Brokerage Event: Development of smart concepts of integrated energy driven bio\[1\]refineries for co-production of advanced biofuels, bio-chemicals and biomaterials](#)** - 22 October 2024

**[STFC: DAFNI data sharing workshop: Scotland S](#)** - 23 October 2024, Glasgow

**[CircularChem webinar: Carbon & Cash: Funding a Circular Chemical Economy – White Paper Launch](#)** - 24 October 2024

**[DAFNI data sharing workshop: Northern Ireland](#)** - 29 October 2024, Belfast

**[KTN: Developing a scalable, urine-based fertilizer – challenges and opportunities](#)** - 12 November 2024

**[Rethinking Polymers: Sustainable and Circular by Design](#)** - 18 November 2024, the Royal Society of Chemistry, Burlington House

**[IFEAA Deep Dive: Reducing GHG emissions in agriculture](#)** - 19 November 2024, University of Bath

**[KTN: Harnessing the power of algae to create valuable products from waste](#)** - 10 December 2024

**[ADBA National Conference](#)** - 11 December 2024, Westminster, London (Early Bird Tickets Deadline: 10 October 2024)

**[AquaConSoil 2025](#)** - 16-20 June 2025, Liège, Belgium (Abstracts by: 22 November 2024)

## Funding

Funding opportunities for academia and industry are highlighted below.

Find more at: [UKRI funding](#)



**[EPSRC programme grant outline stage](#)** - open

**[Innovate UK: Smart grants](#)** - 23 October 2024

**[Innovate UK: Agri-tech and food technology, Eastern England](#)** - 6 November 2024

**[NERC: Value of Marine Artificial Structures](#)** - 7 November 2024

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

**[BBNet Business Interaction Voucher](#)** - 30 November 2024

**[Innovate UK: Knowledge transfer partnership](#)** - 4 December 2024

**[Innovate UK: UK-Germany bilateral: collaborative research and development](#)** - 6 December 2024

**[The Water Breakthrough Challenge 5](#)** - 6 January 2025

**[BBSRC Pre-announcement: Mid-range equipment for biosciences research: ALERT 2024](#)** - 9 January 2025

**[BBSRC Standard Research Grant: 2025 round 1](#)** - 15 January 2025

**[BBSRC new investigator award: 2025 round one](#)** - 15 January 2025

[NERC: Pushing the frontiers of environmental research](#) - 21 January 2025

[International Travel Award Scheme for the Biological Sciences](#) - 30 September 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](#))**

[Research Fellow in Downstream Processing of Yeast Hydrolysates](#) - 16 October 2024, UCL

[Lecturer in Microbial Biochemistry](#) - 16 October 2024, University of Exeter

[Postdoctoral Research Associate - Grade 7](#) - 23 October 2024, University of Liverpool

[Assistant Professor in Biotechnology](#) - 31 October 2024, Durham University

[Research Associate in Evolutionary Microbiology](#) - 17 November 2024, The University of Manchester

[Research Studentship in Control and Engineering Biology](#) - 3 December 2024, University of Oxford

### Training

[Aqua Enviro: Wastewater Treatment](#) - 26 November 2024

[Aqua Enviro: Optimising Activated Sludge Plants](#) - 28 November 2024

[AquaEnviro: Optimising Anaerobic Digesters: Sewage Sludge](#) - 10 December 2024

### Awards and Competitions

[The Conversation Prize for writers](#) - 30 November 2024

### PhDs (see [FindaPhD](#))

[NBIC: Collaborative Training Partnership \(CTP\) projects](#) - Call extended: 31 October 2024

[Bio-Based Fibres of Bacteria-Generated Bioplastics for a Decarbonised Textile Industry](#) - 1 November 2024, University of Leeds

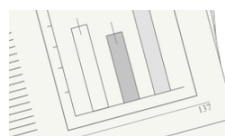
[Molecular basis and ecological significance of \*Saccharomyces wine yeast\*](#)

[interactions with microbes, plants and insects](#) - 8 November 2024, University of Southampton

[Genetic isolation: protecting biotech and the environment with synthetic genomes](#) - 3 December 2024, Medical Research Council (Cambridge)

## Publications

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



### [Intensified microalgae production and development of microbial communities on suspended carriers and municipal wastewater](#)

By: Sergio Serrano-Blanco, Rixia Zan, Adam P. Harvey, Sharon B. Velasquez-Orta. In: Journal of Environmental Management. Volume 370, November 2024, 122717

### [Realities of the consortium approach in science: sustainable enzymatic production of C1 chemicals from carbon dioxide](#)

By: Andrea Rodil *et al.* In: RSC Sustainability

### [High-Throughput Single-Cell Metabolic Labeling, Sorting, and Sequencing of Active Antibiotic-Resistant Bacteria in the Environment](#)

By: Wenfang Lin *et al.* In: Environmental Science & Technology. 2024

### [Book: Anaerobic Digestion: Fundamentals, Modelling, and Applications](#)

By: Guangxue Wu

### [Estimating methane emissions from manure: a suitable case for treatment?](#)

By: Neil Ward *et al.* In: 2024 Environ. Res.: Food Syst. 1 025003

## Still here?

### [Global Handwashing Day](#)

Submit your research on handwashing, water-borne diseases, public health, or WASH to feature in the Global Handwashing Day campaign on 15 October 2024. GHD is a global advocacy day dedicated to increasing awareness and understanding about the importance of handwashing with soap as an effective and affordable way to prevent diseases and save lives.

*'Everything should be made as simple as possible, but not simpler.'* Quote attributed to  
Albert Einstein

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