



Biotechnology and
Biological Sciences
Research Council



Engineering and
Physical Sciences
Research Council



(Photo courtesy of Andrea Piacquadio at Pexels.com)

EBNet Newsletter - December 2020

News

EBNet: WEBINAR SERIES

[Organohalide Bioremediation - Current Approaches in Environmental Biotech](#)

Tuesday, 12 January 2021 at 09:00 – 10:30 am GMT

Learn more about current approaches to this challenging problem. Note that a guest speaker joins us from Australia - hence the early start - so make a note to join us at this earlier time. Register [here](#).

[FOG/Fatberg Mitigation and Societal Behaviour - Aspects of Environmental Biotech](#)

Tuesday, 9 February 2021 at 12:00 - 01:30 pm GMT

Engineering often needs to consider behavioural factors and this webinar aims to examine the biotech and the behaviour. Register [here](#).

BEIS and HM Treasury have launched a [Call for Evidence on Greenhouse Gas Removals \(GGRs\)](#). The Call for Evidence will be open for 12 weeks until Friday 26 February 2021. Participate to help inform the government's future policy in this area.

And let us know what you thought - the "Sustainable Biological Removal of N&P" webinar [survey](#) is still open.

Now Open

EBNet: Placement Call

Deadline: 17 February 2021

Awards have a value of up to £1,500 for UK-based placements and £3,000 for overseas placements. Thinking about a "socially distanced" placement/training? Email to see if we can help. More [here](#).

EBNet: ECR Conference Travel Bursary

Always open

Intending to present your work at a major international conference? For support worth up to £1,500, see [here](#).

([Get in touch](#) if you would like to initiate an event - including webinars. We are always looking to support enthusiastic members to disseminate and explore topics of wider interest.)

Coming soon

EBNet: 2nd Business Interaction Voucher Call: £20K
Call Opens: **4 January 2021**. Deadline: **26 February 2021**
For projects up to £20K. More [here](#).

Spotlight On...

EBNet: Pub Quiz 2020

It is a long time between ECR conferences. So we invite all Early Career Researcher (ECR) and Young Professionals (YP) members to an impromptu and informal EBNet Pub Quiz. Take a few minutes to unwind with your favourite refreshment and some company. Silly hats/jumpers are optional, but cheering. More [here](#). Register [here](#).

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



Forthcoming Events

Find selected upcoming events below or look further ahead with our online Google calendar.

What have we missed? Whether local or international, niche, general interest or 3rd party - provided the topic is EB, we can share with the wider membership.

[CIWM: Advanced Recycling of Plastics, Extended Producer Responsibility and Festive Waste Minimisation](#)

15 December 2020

[CIWEM: Global water security webinar](#)

6 January 2021

[KTN: Launch of the Hydrogen Innovation Network](#)

12 January 2021

[E3B Metals in Biology: Top tips for writing better manuscripts](#)

19 January 2021

[The Carbon Recycling Network, et al: Responsible Innovation: Industrial Biotechnology and Engineering Biology](#)

25 January 2021

[KTN: Photonics for...Water Industry Challenges](#)

26 January 2021

[E3B workshop: The challenge to correctly measure affinities of proteins](#)

11 February 2021

[Early Career Women in Water 2021 Conference](#)

8 March 2021

[1st FERIA: The European Conference on Fuel and Energy Research and its Applications](#)

12-14 April 2021

[The Microbiology Society: Annual Conference](#)

26-30 April 2021, online

[IWA: Wastewater, Water and Resource Recovery Conference](#)

16-19 May 2021

[IWA: 12th Micropol and Ecohazard Conference](#)

6-10 June 2021

[Anaerobe 2021: The Microbiota and Beyond](#)

15-16 July 2021

[9th FEMS Congress of European Microbiologists](#)

12-14 July 2021

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

Funding

Funding opportunities for academia and industry are highlighted below.

Want a partner? Contact us with your details and we can connect you with members with similar interests or put a request out through the network



[SfAM: PhD Hardship Award; Small Research Projects and Equipment Fund; New Lecturer Research Grant](#)

Open now

[NERC: New investigator grant](#)

12 January 2021

[Healthcare technologies new challenges NetworkPlus](#)

13 January 2021

[INNOVATE: SBRI Removing air pollutants from homes to safeguard health](#)

13 January 2021

[Future Leaders Fellowships: Round 6](#)

19 January 2021

[Industrial Strategy Challenge Fund: Future Plastic Packaging Solutions](#)

20 January 2021

[Knowledge transfer partnerships \(KTP\): 2020 to 2021, round 5](#)

27 January 2021

[African agriculture knowledge transfer partnerships \(KTP\): 2020 to 2021, round 5](#)

27 January 2021

[NBIC: 4th PoC Call](#)

12 February 2021

[AlgaeUK: 2nd PoC Call](#)

26 February 2021

[AlgaeUK: Secondment Bursaries](#)

26 February 2021

[Royal Academy of Engineering - Research Chairs and Senior Research Fellowships](#)

3 March 2021

The [Ofwat £2 million 'Innovation in Water Challenge'](#) opens for entries from January 2021.

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



Training, Awards, PhDs & Jobs

Did you know we have funds available to help members access placements in industry or academia. Could you host one to share what you know? Contact us now.

Training

[FutureLearn](#) have a plethora of top quality courses online in almost any subject. Examples include: *Metabolomics*; *Sustainable Construction and Development*; *Soils*; *Introduction to R for Data Science*; *Programming for Everybody...*

Awards

[Royal Academy of Engineering - The MacRobert Award](#)

Nominations open

[The Royal Anniversary Trust: Queen's Anniversary Prizes](#)

Deadline: 10 May 2021

[The Queen Elizabeth Prize for Engineering - Create the Trophy Competition](#)

Deadline: 21 December 2020

PhDs (from [FindaPhD](#))

Microbial membrane engineering for biotechnology

Aston University. Deadline:10 January 2021

Developing microbial fuel cell-based biosensors for water quality monitoring

University of Birmingham. Deadline:10 January 2021

Using machine learning based approaches to predict changes in microbial signatures that describe anthropogenic environmental change

Newcastle University. Deadline:18 January 2021

Jobs

Knowledge Transfer Partnership (KTP): Find all graduate jobs [here](#).

Publications

[Emerging nanobiotechnology in agriculture for the management of pesticide residues](#)

Monika Nehra *et al.* Journal of Hazardous Materials. Volume 401, 5 January 2021, 123369

[Recent advancement in remediation of synthetic organic antibiotics from environmental matrices: Challenges and perspective](#)

Preeti Chaturvedi *et al.* Bioresource Technology. Volume 319, January 2021, 124161

[A novel computational simulation approach to study biofilm significance in a packed-bed biooxidation reactor](#)

Mohammad Abbasi *et al.* Chemosphere. Volume 262, January 2021, 127680

Still here?

Years' end is traditionally time to take stock. A look through the [Nature](#) research archives reveals what was hot news in environmental biotechnology, way back when.

40 years ago:

The old Cold War – what word is the opposite of nostalgia?

"Soviet biotechnology - Alan T. Bull et al. Nature volume 284, page 210 (1980)"

20 years ago:

Genetic Modification - this Frankenstein's monster provokes huge public ambivalence.

"Biotechnology and the European public - George Gaskell et al. Nature Biotechnology volume 18, pages 935–938 (2000)"

5 years ago:

Manufacturers want chemists who can make their products more environmentally friendly.

"Chemistry: Green refill - Rachel Cernansky. Nature volume 519, pages 379–380(2015)"

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