



UK Research
and Innovation



EBNet Newsletter October 2019

Welcome back to the Environmental Biotechnology Network Newsletter.
Remember to [let us know](#) if you have anything to share with the wider community - jobs, info, requests for contacts - we exist to connect you with each other!

News

CALLS NOW OPEN

1. EBNet Travel Bursary for Early Career Researchers – UK to Overseas (£1,500)

EBNet has a limited number of Travel Bursaries available to support ECR travel to overseas conferences. These will be allocated competitively to pre-selected conferences only over the course of the Network. In order to qualify you should be an ECR member of EBNet. All applications must include a copy of your acceptance.

The first targeted Call is for the **IWA World Water Congress & Exhibition**, 18-23 October 2020, Copenhagen, Denmark. See: <https://worldwatercongress.org/>. (Track 2 is particularly relevant to the Network). Their submissions close 30 October 2019 with notifications from 15 April 2020. Interested? [Contact us](#) for details. We will close the Call 2 weeks after the conference notification date.

2. EBNet Placements - Academic/Industry, UK or Overseas (£1,500 - £3,000)

Want to learn a new skill or gain a new perspective from industry? Have something in mind? EBNet has a limited number of placements available to support members to access outside expertise for relevant knowledge exchange. These will be allocated competitively through quarterly calls over the course of the Network and are open to all UK-based members of EBNet. First Call deadline: **Monday, 18 November 2019**. Interested? [Contact us](#) for details.

EVENTS

Algae & Environmental Biotechnology: Recent Developments in the field of carbon capture, commercial developments and integrated systems

Our first joint NIBB event with ALGAE-UK was held in London earlier this month. Presentations by top speakers were followed by an extensive Q&A session to consider the path ahead. This topic is obviously popular and we will be planning further events on areas of interest.

Metal Biorecovery Workshop

Manchester, 28-29 November 2019

And next... a joint EBNet event with E3B: Metals in Biology. This is a 2-day workshop to bring together academic and industrial scientists to develop plans for upcoming UKRI and BBSRC funding calls. The meeting is free to attend and overnight accommodation is provided, but places are strictly limited. Contact metals.bbsrcnibb@durham.ac.uk for more information.

European Biosolids & Organic Resources Conference & Exhibition

19-20 November 2019

EBNet are proud to sponsor the poster session at this major event, held in Manchester, with a **£250** top prize to the winning poster. Are you an ECR member? If you participate in the Poster Session to share your work, EBNet can support your attendance with a £100 Travel Bursary. [Contact us](#) for further details.

See: <https://conferences.aquaenviro.co.uk/events/conferences/european-biosolids-organic-resources-conference/>

Want to showcase your group's research to the membership? Let us help...just get in touch if you would like to host an event. We are always looking to support enthusiastic members to disseminate and explore topics of wider interest.

Spotlight on...

Each month we would like to highlight the work of a member. This month we are looking at:

Prof. James Chong, University of York

Prof. Chong is a Steering Group member for EBNet. His group is one of a handful worldwide able to genetically manipulate methanogenic archaea. They use 'omics methods to understand complex microbial community dynamics and are currently focussed on unpicking massive metagenomics datasets generated using long- and short-read DNA sequencing. His published papers are always worth a look by anyone hoping to stay abreast of the latest developments. Access current research on topics like "Simultaneous biomethanisation of endogenous and imported CO₂ in organically loaded anaerobic digesters"; "Noninvasive analysis of the soil microbiome: Biomonitoring strategies using the volatilome, community analysis, and environmental data" or "A practical introduction to microbial molecular ecology through the use of isolation chips".

For more see: <https://www.york.ac.uk/biology/research/molecular-microbiology/james-chong/>



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.

Remediation of Brownfield Land – A Contractor’s Perspective (ICE South Branch Graduates, Students and Apprentices)

22 October 2019 at 17.30, University of Southampton

See: <https://www.ice.org.uk/events/remediation-of-brownfield-land-southampton>

University2Business: Facing the Clean Growth Challenge

8 November 2019, University of Portsmouth

See: <https://www.eventbrite.co.uk/e/university2business-facing-the-clean-growth-challenge-u2b2019-registration-70687057893>

UKRI: Smart Sustainable Plastic Packaging (SSPP) scoping workshop

15 November 2019, Birmingham

See: <https://nerc.ukri.org/latest/events/list/sspp/>

E3BNet: Metal Biorecovery Workshop

28-29 November 2019, Manchester

The aim of this workshop is to bring together academic and industrial scientists to develop plans for upcoming UKRI and BBSRC funding calls. The meeting is free to attend and overnight accommodation is provided at no cost to you. Places are limited. Contact metals.bbsrcnibb@durham.ac.uk for more information

International symposium on risk assessment approaches for decision making

2-3 December 2019, Faringdon, Oxfordshire

See: <https://www.cranfield.ac.uk/events/events-2019/international-symposium-on-risk-assessment-approaches-for-decision-making>

SETAC Europe 30th Annual Meeting

3-7 May 2020, Dublin, Ireland

This 5-day event features emerging research, regulatory developments and the latest methodologies in environmental toxicology and chemistry.

See: <https://dublin.setac.org/>

IWA: 5th International Conference on Ecotechnologies for Wastewater Treatment

"Impacting the environment with innovation in wastewater treatment"

22-26 June 2020 Milan, Italy

See: <http://www.ecostp2020.polimi.it/>

NBIC: Young Microbiologists Symposium

26-27 August 2020, Southampton

The Young Microbiologists Symposium on Microbe Signalling, Organisation and Pathogenesis is intended to bring together graduate students and postdoctoral researchers to discuss their current research.
See: <https://biofilms.ac.uk/young-microbiologists-symposium-26-27-august-2020-in-southampton-uk/>

SETAC 8th World Congress

6-10 September 2020, Singapore

The meeting will explore the state of the knowledge towards achieving sustainable environmental quality.

See: <https://singapore.setac.org/>

ICEBB 2020: 14. International Conference on Environmental Biotechnology and Bioremediation

22-23 October 2020, Istanbul, Turkey

See: <https://waset.org/environmental-biotechnology-and-bioremediation-conference-in-october-2020-in-istanbul>

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



BBSRC: call for Greenhouse Gas Removal (GGR) demonstrators

Mandatory workshop: 16 October 2019, London

Up to £22 million available to fund up to five demonstrators.

See: <https://nerc.ukri.org/funding/application/currentopportunities/pre-announcement-greenhouse-gas-removal-demonstrators-programme-calls-and-workshop/>

UKRI Interdisciplinary Circular Economy Centres/Coordinator webinar sessions

17 and 22 October 2019

An opportunity to learn more about the programme. If you would like to attend, please register your interest by emailing circular.economy@epsrc.ukri.org identifying which webinar you wish to attend.

Innovation Loans Open Competition Briefing Events

Is a £1M loan what your innovative project needs?

Upcoming Briefing Events (Available via webcast) across the country from Oct to Nov 2019.

See: <https://ktn-uk.co.uk/news/is-a-1m-loan-what-your-innovative-project-needs>

CCNet: Proof of Concept Funding (4 X £50,000)

Deadline: 30 October 2019

Call Title: 'Industrial Decarbonisation: Challenges & Opportunities'

It is expected that specific technology domains, such as hydrogen and carbon capture and utilisation (CCU) will figure prominently.

See: <https://ccnet-nibb.co.uk/funding-opportunity/>

BBSRC Bioinformatics and Biological Resources Fund call

Deadline: 13 November 2019

This aims to facilitate the establishment, maintenance and enhancement of high-quality bioinformatics and biological resources to support the UK bioscience research community.

See: <https://bbsrc.ukri.org/funding/filter/2019-bioinformatics-biological-resources-fund/>

CCNet: Business Interaction Vouchers (up to £10K)

Deadline: 15 November 2019

These will be used to encourage and support collaboration between academic partners and industrial partners within the CCnet framework.

See: <https://ccnet-nibb.co.uk/funding-opportunity/>

INNOVATE: Innovation Loans Open Competition

Deadline: 27 November 2019

Whether you are a micro, small or medium sized enterprise, you could benefit from a loan of between £100,000 and £1 million from Innovate UK. Innovate UK has a total of £10 million to fund innovation projects.

See: <https://apply-for-innovation-funding.service.gov.uk/competition/456/overview>

Privilege Finance Student Sponsorships

Deadline: 29 November 2019

Are you a student completing an energy from waste or renewable energy technology dissertation? Win up to £1,000 and gain access to a range of industry contacts.

See: <https://www.privilege.finance/privilege-innovation-fund/>

HVB: Business Interaction Vouchers (BIV)

Deadline: 8 January 2020

BIVs provide funds of up to £10,000 for a defined piece of work undertaken by an academic with an industrial partner.

See: <https://www.highvaluebiorenewables.net/funding/>

The Royal Commission

1851 Research Fellowships. Deadline: 6 February 2020

Industrial Fellowships. Deadline: 30 January 2020

Also, various **Special Awards**

The aim of the scheme is to encourage profitable innovation and creativity in British Industry

See: <https://www.royalcommission1851.org/awards/>

Leverhulme Early Career Fellowships

Deadline: 27 February 2020

For early career researchers, with a research record but who have not yet held a full-time permanent academic post, to undertake a significant piece of publishable work.

See: <https://www.leverhulme.ac.uk/early-career-fellowship>

Outreach



If you weren't lucky enough to get to Glastonbury this year, head to the [AD & Bioresources Autumn newsletter](#) (p.42) to read all about our exploits bringing the Circular Bioeconomy Roadshow to the Festival. Participants were lured to the demonstration of cooking popcorn on biogas - followed by the science of making useful products from waste. Did you know that this year the main stage was powered by cow slurry!

We also provided a section on Anaerobic Digestion and the water industry in the latest Water Industry Journal (p.52) [here](#).



Jobs, Training Opportunities, & PhD Studentships

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.

Jobs

Tampere University and Tampere University of Applied Sciences, Finland

Tenure track position in Environmental and Energy Engineering for Circular economy / Tenure track

Deadline: 30 October 2019

University Lecturer/University Instructor (Environmental Engineering)

Deadline: 5 November 2019

The Faculty of Engineering and Natural Sciences focuses on environmental technology, bioenergy and

biorefining, along with industrial biotechnology, with the ultimate goal of promoting a cleaner and safer future for the benefit of people and the environment. For more information, please contact: Dean of the Faculty Martti Kauranen, martti.kauranen@tuni.fi or Prof. Jukka Rintala, jukka.rintala@tuni.fi .

Training

Have you discovered free Massive Open Online Courses (MOOCs)?

Courses are available from reputable sources on almost any topic. See Future Learn

at <https://www.futurelearn.com/> for the following :

- Metabolomics: Understanding Metabolism in the 21st Century (University of Birmingham)
- Small and Mighty: Introduction to Microbiology (University of Reading)
- Bacterial Genomes: From DNA to Protein Function Using Bioinformatics; Bacterial Genomes: Accessing and Analysing Microbial Genome Data; Bacterial Genomes: Comparative Genomics using Artemis Comparison Tool (ACT) (Wellcome Genome Campus Advanced Courses and Scientific Conferences)
- Soils: Introducing the World Beneath Our Feet (Lancaster University)

PhDs

For up-to-date details of PhDs in all subject areas search: www.findaphd.com .

The application of positron emission particle tracking to the study of flow and mixing of solid-liquid systems in industrial stirred vessels

University of Birmingham

Supervisor: Prof M Barigou

Deadline: 30th November 2019

Competition Funded PhD Project (European/UK Students Only)

Chemical pollution and biodiversity: assessing risk to ecosystem services.

University of Sheffield

Supervisor: Prof L L Maltby

Deadline: Applications accepted all year round

Self-Funded PhD Students Only

Rapid Ionic-liquid Screening for Enhanced Recycling Screening (RISERS)

Imperial College London

Supervisors: Dr A Brandt-Talbot, Prof P Fennell

Deadline: Applications accepted all year round

Funded PhD Project (European/UK Students Only)

Chemical cocktails: understanding the combined effects of nanoparticles and pharmaceutical on microbial species and populations.

University of Birmingham

Supervisor: Dr I Lynch

Deadline: Applications accepted all year round

Self-Funded PhD Students Only

Still here?

Why not check out some amazing animation on Youtube. Veritasium has great science clips including "Your Bodies Molecular Machines" (https://www.youtube.com/watch?v=X_tYrny_o6A) - an eye-opening visualisation of the activity with cells.

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