

EBNet Newsletter July 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 - we love to hear from you.

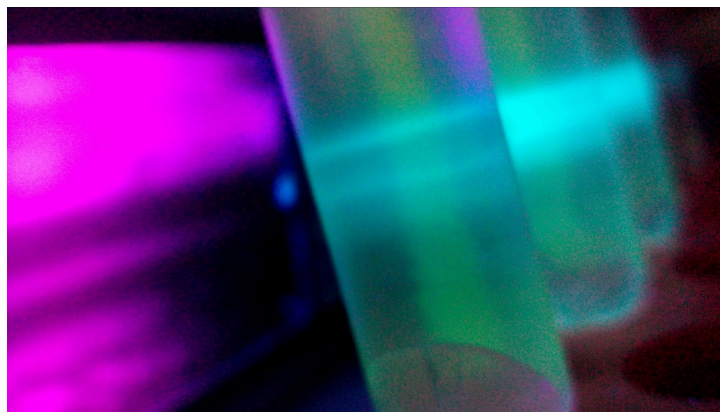


Photo Credit: Light and heavy isotope labelled DNA from methane producing anaerobic digesters to identify active populations. Attribution: James Robson, Chong Laboratory, University of Warwick.

ECR Conference 2019

Well done to the winner of this year's ECR Photography Competition (above). Some quite beautiful images were submitted. With nearly 20 universities represented, over 50 ECR delegates, and numerous opportunities to showcase the best new research, we thank all who participated to make this event a success.

Congratulations also to the "Best Presenter" at this event - Aaron Brown, University of Leeds whose talk entitled "*Hydrothermal Treatment of Aquatic Biomass: Potential for Biomethane and Biohydrogen Generation from Process Waters*" won our top prize - an ECR conference Travel Bursary worth up to £1,500!

Save the Date! 9th October 2019

This segues nicely to our next event - a joint undertaking with ALGAE-UK - to be held in London, 9th October 2019. Interested and want to be involved? Contact us for more info.
"Algae & Environmental Biotechnology: Recent Developments in the field of carbon capture, commercial development and integrated systems"



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.

Metaproteomics and Microbiomes Workshop

The Diamond, University of Sheffield, 4-5th September 2019

This meeting aims to bring together a community of experts and those with interests in how proteins can provide invaluable insight into the functionality of microbiomes. It will focus on

linking metagenomes to metaproteomes to demonstrate the power of rapidly advancing technology. See: www.pandhalresearchgroup.co.uk/blank-page-5

ContamExpo

NEC, Birmingham, 11-12th September 2019

See: <http://www.contaminationexpo.com/>

European Biosolids & Organic Resources Conference & Exhibition

The Point - Emirates Old Trafford, Manchester, 19-20th November 2019

The conference remains the leading technical event in Europe highlighting operational efficiencies, best practice, regulatory change, research and new technology in the fields of biosolids and other organic resources.

See: www.european-biosolids.com

HVB: First Annual Meeting

Wellcome Collection, London, 28th November 2019

Online booking is now open. See: <https://www.highvaluebiorenewables.net/events/hvb-annual-meeting/>.

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



HVB: 1st Proof of Concept Call is now open

Deadline: 10th September 2019.

Funding of up to £50,000 per project is available. The Targeted Call invites projects focused on genomic tools for high value biorenewables. Other projects will be considered through the Open Call. Full details: <https://www.highvaluebiorenewables.net/funding/proof-of-concept-2019-call/>

Joint BBSRC-NERC GCRF Research Translation Call: Sustainable Enhancement of Agriculture and Aquaculture Production

Deadline: 18th September 2019

See: <https://bbsrc.ukri.org/funding/filter/2019-gcrf-translation/>

INNOVATE

Eureka Eurostars 2: round 12

Deadline: 12th September 2019

UK SMEs can apply for a share of up to £2.5 million to collaborate in research with partners across Europe and associated countries.

Innovation loans: July 2019 open competition

Deadline: 18th September 2019

Loans for game-changing innovations with strong commercial potential that will significantly improve the UK economy.

Energy catalyst round 7: early stage

Deadline: 18th September 2019

Organisations can apply for a share of up to £22 million across 3 strands to help provide clean, affordable and secure energy in sub-Saharan Africa, South Asia or both.

UK Research and Innovation strength in places fund: wave 2 EoI

Deadline: 9th October 2019

Consortia of UK businesses and research organisations can apply for 'seed corn' funding of up to £50,000 to develop full applications for wave 2 of the UKRI Strength in Places Fund.

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

Defence and Security Accelerator (DASA): Bioprocessing military waste into reusable products

Deadline: 25th September 2019

Up to £1m to fund 3-5 proposals. DASA are looking to develop a system that can aid the recycling of waste fuel, oils, lubricants and other liquid chemicals to enable the Ministry of Defence (MOD) to manage its own waste on-site and produce reusable by-products to the benefit of the environment.

See: <https://ktn-uk.co.uk/funding/bioprocessing-military-waste-into-reusable-products>

Knowledge Transfer Partnerships - summer/autumn 2019

Deadline: 2nd October 2019

The Knowledge Transfer Partnership (KTP) scheme helps businesses in the UK to innovate and grow. It does this by linking them with an academic or research organisation and a graduate. See: <https://ktn-uk.co.uk/funding/knowledge-transfer-partnerships-summerautumn-2019>



Training Opportunities, Awards, PhD

Studentships & 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.

PhDs:

Energy generation through electrogenic organism microsystems

University of Surrey

Supervisors: Dr C Avignone-Rossa; Dr A Gruning

Funded PhD Project (Students Worldwide) Apply soon.

See: www.surrey.ac.uk/fees-and-funding/studentships/energy-generation-through-electrogenic-organism-microsystems

Studentships Available at EBRI (Energy and Bioproducts Research Institute)

Aston University

Applicants should email the relevant supervisor named above by 31 July latest, who will be able to provide advice on the project, skills requirements and guide them in the application procedure.

- Economic and socio-economic feasibility of bioenergy systems - Dr. Mirjam Roeder (m.roeder@aston.ac.uk)
- Upgrading lignocellulose waste biomass using thermochemical and biological conversion routes - Dr. Blanco-Sanchez (p.blanco-sanchez@aston.ac.uk)
- Production of bioplastics from waste cassava using biological pathways – Dr. Fernandez-Castane (a.fernandez-castane1@aston.ac.uk)
- Towards an Aviation Fuel Through the Hydrothermal Liquefaction of Biomass - Dr. Nowakowski (d.j.nowakowski@aston.ac.uk)
- Catalytic biomass pre-treatment and catalytic upgrading of biorefinery streams via combination of ionic liquids with commercial and novel solid catalysts – Dr. Granollers-Mesa (m.granollers-mesa@aston.ac.uk)
- Comparative analysis of policy instruments for bioenergy as part of the transition to a low-carbon and bioeconomy – Prof. Thornley (p.thornley@aston.ac.uk)

Jobs:

Newcastle University: Academic Track Positions

5 positions available in a range of fields including Architectural and Bio Design, Bio Ethics, Engineering and Natural and Environmental Sciences.

<http://bbe.ac.uk/index.php/newcastle-academic-track-fellowships/>

Northumbria University: Vice Chancellor Fellows

7 positions available in the Bio-Sciences including Synthetic Biology, Bioinformatics, Microbiology and more.

<http://bbe.ac.uk/index.php/northumbria-university-vice-chancellors-fellows/>

Northumbria University: Research Associates/Research Assistants

3 Research Associate/Research Assistant positions available for 3 years posts in a range of biological specialisms including:

Living Construction

The research aim of this theme is to develop a new generation of bulk, engineered living materials (ELMs), which are intelligently synthesised and/or activated using microbial process. <http://bbe.ac.uk/index.php/northumbria-university-research-assistant-research-fellow-living-construction/>

Building Metabolism

The aim of the project will be to develop and optimise microbial cell factories in such a way that they could be utilised in bioreactors to produce high value natural products, such as energy, fine chemicals and pharmaceuticals. <http://bbe.ac.uk/index.php/northumbria->

[university-research-assistant-research-associate-building-metabolism/](http://bbsrc.ac.uk/index.php/northumbria-university-research-assistant-research-associate-building-metabolism/)

Microbial Environment

The research will see development of techniques to sense, predict and then modulate bacterial communities using bacteriophages in a built environment

setting. <http://bbe.ac.uk/index.php/northumbria-university-research-assistant-research-associate-microbial-environment/>

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