

EFB Bioengineering & Bioprocessing Section

Newsletter 2019 – Issue 2



Dear EBBS Member,

Hello, and welcome to the latest edition of our newsletter!

We hope you've all had an opportunity to enjoy the summer's weather and conferences, such as Designer Biology 2019 held by our section in (mostly) sunny Newcastle, UK, at the start of August. We have a conference report from Andrea Giachino in this issue in case you missed this exciting event!

We also have several new communication team members to introduce to you this issue. With our growing team we will be bringing you more news and features, including a regular on-line journal club, so keep an eye on our social media feeds and website!

Lastly we'd like to tell you about a webinar later this month from IBISBA. It will tell you how to get access to industrial biotech infrastructure for you lab, and if you'd like to find out more and to sign up just follow the links below!

Enjoy the issue!

EBBS Comms Team, September 2019

What's new?

IBISBA 1.0 - A webinar to inform the biotech community on the possibilities for transnational access to industrial biotechnology infrastructure is scheduled to take place on September 12th.



IBISBA^{1.0}

Anyone who is interested can register through the links below:

The graphic features the IBISBA 1.0 logo at the top left. Below it, the text '1ST WEBINAR SERIES' is displayed in large, bold letters. A red play button icon is positioned to the right of the text. Further right, a black box contains the date '12TH SEPT 2019'. Below the main text, there are two buttons: a green 'Play' button and a white 'Read agenda and Sign Up' button. At the bottom, a white box contains the text: 'We are about to launch our first Webinar series! Learn how to accelerate your research or technology, how to get free access to top research facilities and more!'.

**EBBS
Section Co-chairs:**



Dr. Louise Horsfall
[@lehorsfall](#)



Dr. Tim Overton
[@Overtonlab](#)

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[our website](#)

Upcoming events

EFB and sections

10th European Symposium on Biopolymers
EFB Polymer Biotechnology Section
25 – 27 September 2019
Straubing, Germany



2nd International Meeting on Strategies in
Bioremediation Processes
EFB Environmental Biotechnology Section
24 – 25 October 2019
Porto, Portugal



European Congress on Biotechnology
28 June – 1 July 2020
Maastricht, Netherlands



Other events

Biodesign HereNow
19 – 21 September 2019
London, UK



EUSYNBIOS Symposium
31 September – 1 October 2019
Brno, Czech Republic



Synbio Markets
18 – 19 November 2019
Berlin, Germany



Past events



Designer Biology 2019

Newcastle University, UK; 31st July – 2nd August 2019



Outstanding success and productive debates crowned the 2nd Designer Biology Symposium as one of the scientific highlights of the past summer. The Symposium, sponsored by the EFB, saw more than 120 delegates from 18 different countries gather in Newcastle upon Tyne, UK for three days of inspiring talks, scientific conversations, and networking.

Surrounded by the historical scenery of the King's Quad, Newcastle University, attending delegates discussed the state of the art in Bioengineering, detailing techniques at the interface of material design, bioprocessing, and synthetic biology. Keynotes included exciting contributions from Dr Anna Rising (Karolinska Institutet, Sweden), a pioneer in synthetic silk spinning, and Dr Jonah Elbaz (Tel Aviv University, Israel), who is developing cell-on-chip microfluidic technologies. In addition, more than 50 posters were presented by researchers at all career stages.

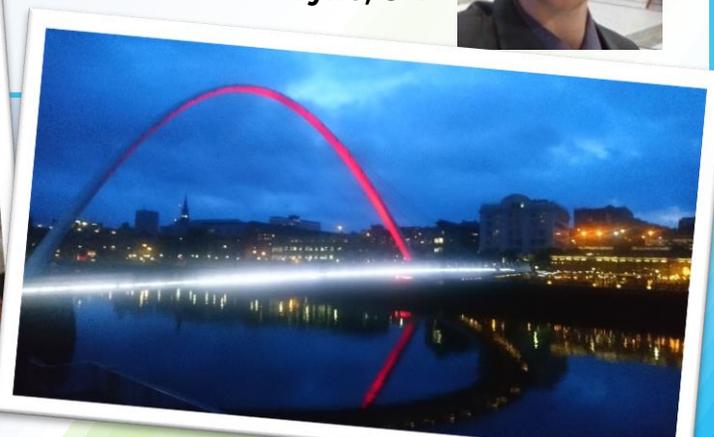
One aspect that made Designer Biology 2019 especially stand out was its feeling of solidarity and inclusiveness. Equality of opportunities was the core of the event's values; a blind review of submitted abstracts resulted in a gender-balanced programme of speakers, and an expert on-site crèche provided care and entertainment for attending little ones. Early career researchers made up 60% of the speakers, including an interesting contribution from Stanford University undergraduate, Mr Advait Patil. The UK iGEM meet-up was also associated with the event, as 70 iGEM team members from across the country participated in an event on July 31st.

The Designer Biology Symposium is characterized by its interdisciplinary remit. It is jointly organized by two of our Federation's Sections: Polymer Biotechnology, and Bioengineering and Bioprocessing; it brings colleagues in different disciplines together on the basis of common methods and a shared mission. Moreover, the event provided attendees with valuable opportunities to review the community's priorities for future development.

On August 1st, all delegates were invited to attend a joint discussion panel with colleagues from the Artificial Life community, whose ALIFE 2019 Conference was also hosted at Newcastle University. The topics explored included how the key scientific targets of the century can contribute to enhance Earth's habitability, as well as how our scientific communities can successfully engage with the public. The last conference day saw colleagues involved in Biodesign Automation come together to review the field's priorities and future development targets.

The community will reconvene in two years' time in Freiburg, Germany, for a renewed opportunity to share the exceptional vibe of this outstanding event. Until then, stay tuned on the EFB Events page for other exciting opportunities to meet fellow researchers and contribute to cutting-edge proceedings in our field.

Andrea Giachino,
PhD student,
University of
Newcastle upon
Tyne, UK



Meet the team



Matt Edmundson
Communications Officer
University of Edinburgh
matt.edmundson@ed.ac.uk
Twitter: [@Dr_Eddy_1](#)



Ian Eggington
Communications Officer
University of Edinburgh
ian.eggington@ed.ac.uk
Twitter: [@IanEggington](#)



Konstantinos Vavitsas
Communications Officer
University of Athens
kvavitsas@biol.uoa.gr
Twitter: [@konvavitsas](#)

Our newest recruits



Lukas Mühlbauer
Communications Officer
University of Edinburgh
lukas.muehlbauer@ed.ac.uk
Twitter: [@lfmuehlbauer](#)

"I just started my 3rd year as PhD student in Louise Horsfall's group at the University of Edinburgh, where I engineer non-model organisms for industrially extreme conditions. I also work as a laboratory demonstrator for MSc practical classes and maintain a 3D printing facility, where we make lab equipment from biodegradable plastics. My hobbies include playing squash, photography and making music (being creative in general). Being part of the EFB communications team, I would like to use and refine some of my media and science communication-related skills"



Parisa Pordelkhaki
Communications Officer
LinkedIn Administrator
University of Birmingham
PXP128@student.bham.ac.uk
Twitter: [@ParisaPordelkha](#)

"I am a mother, a scientist and a PhD student in the School of Biochemical Engineering at the University of Birmingham. I completed my MSc in Molecular Biotechnology at the same University (School of Biosciences) and started an Honorary Research role at the School of Biosciences for about 6 months. I then joined the industry as an Upstream Process Development Scientist and got promoted to Senior Scientist that I enjoyed working for 5 years. I have the experience of managing contracts, leading project teams, designing experiments with the application of DoE to optimise processes, planning and performing scale-up/down studies, knowledge and tech-transfer. I am also a member of the Society for Industrial Microbiology and Biotechnology (SIMB).

I have not got much experience with social media and I am enjoying the learning curve in the EFB communication team. I strongly believe that the research each one of us does is to advance everyone's knowledge and it is important to share the hard work everyone is putting into science"

Do you want to get involved?

We welcome any and all contributions to the section. If you have an idea for a new meeting in an area of bioengineering or bioprocessing, or if you would like to assist in section activities, please contact the section co-chairs:

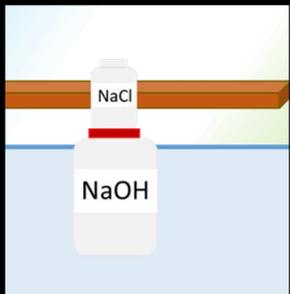
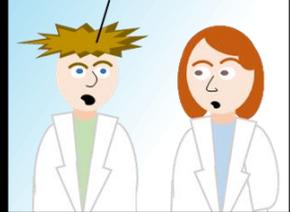
Louise Horsfall louise.horsfall@ed.ac.uk **Tim Overton** t.w.overton@bham.ac.uk

Or if you have a meeting or conference you'd like us to promote or an article you'd like to write for the newsletter please contact

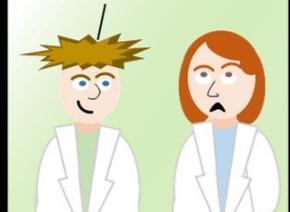
Matt Edmundson matt.edmundson@ed.ac.uk

The Sound of Science

Come quick, there's an emergency!



The base is under assault!



New Biotechnology is the official journal of the **EFB** and is published bimonthly.



It covers both the science of **biotechnology** and its surrounding political, business and financial milieu.

Impact Factor: 3.739

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