



## Who Are We?

C1net is a BBSRC NIBB dedicated to the development and scalable production of C1 gas fermentation for the whole IB community. C1net provides a cross-sector forum with the goals to foster and enhance collaboration between industry and academia; develop skills and expertise; share best practice; define common research priorities; and target funding opportunities in C1 gas fermentation. The management board is currently 12 strong, with Professor Nigel Minton (University of Nottingham) as PI and Professor Davis Fell (Oxford Brookes) as Col.



## Progress

Membership currently stands at 284 with members from Europe, India, USA and Russia and we have 238 followers on Twitter. A total of 8 POC awards of £50,000 have now been made.

**BIVS CALL OPEN – NOW £10K**

APPLY HERE - <http://www.c1net.co.uk/Funding.html>

## Joint BBSRC-NIBB IB Skills Conference, Manchester MacDonald Hotel, Manchester, 18 & 19 May 2016

Thanks to BBSRC funding, C1net and a number of other BBSRC NIBB funding a joint 2 day conference for young scientists working in IBB. The event will be organized by Cogent, & is supported by the BBSRC and the IBLF skills group.

- Find out about job & career opportunities in industry
- Reflect on your career to date and identify skill gaps
- Learn about communicating science and creating Impact
- Get tips on how to write funding applications and business cases
- Find out about the latest science and training opportunities available to you
- Industrial Speakers and Panel members will include speakers from Innovate & KTN

C1net is offering 10 free places at this event,  
C1net PLACES NOW FILLED  
But other participating NIBBs still have places available

MORE DETAILS

<http://www.c1net.co.uk/Events-IB-skills-CF.html>



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[www.c1net.co.uk](http://www.c1net.co.uk)

## CALENDER (C1net Other)

4-5 May 2016

ACI – Renewable and Biobased Chemicals Summit, Chicago, USA

<http://www.wplgroup.com/aci/event/renewable-and-bio-based-chemicals-summit/>

18-19 May 2016

Joint NIBB Skills Conference, Manchester

24-25 May 2016

SINAL bio-industrial Event  
Châlons-en-Champagne, France

<http://meetings.advbe.com/sinal/2016/>

14-17 June 2016

Synbiobeta, Beijing, Shanghai & Shenzhen

<http://synbiobeta.com/synbiobeta-announces-first-activate-china-event/>

21-22 June 2016

ACI - Oleofuels 2016, Liverpool

<http://www.wplgroup.com/aci/event/oleofuels/>

26-30 June 2016

Metabolic Engineering 11, Awaji Yumebutai International Conference Center, Awaji Island, Japan

<http://www.aiche.org/sbe/conferences/metabolic-engineering-conference/2016>

3-7 July 2016

2016 Synthetic Genome Summer Course, University of Edinburgh

<http://syntheticgenomes.wordpress.com/>

24 – 26 July 016

C1net Conference 2, East Midland Conference Centre, Nottingham

<http://www.c1net.co.uk/Events-conf-2.html>

11 - 15 September 2016

14th International Conference on Carbon Dioxide Utilization, University of Sheffield

[www.iccdu2016.org.uk](http://www.iccdu2016.org.uk)

4-6 October 2016

Synbiobeta, San Francisco

<http://synbiobeta.com/conferences/san-francisco-2016/>

18-20 October 2016

The European Forum for Industrial Biotechnology and the Bioeconomy

SECC, Glasgow <http://www.efibforum.com/>



East Midlands Conference Centre and Orchard Hotel

## C1net Conference 2 – Chemicals from C1 Gas 24-26 July 2016

### About

Hosted by C1net (BBSRC-NIBB), this FREE, two-day conference will bring together academic and industrial partners to identify and address key challenges in the study of those organisms able to grow on C1 compounds and commercially exploit them as platforms for chemical manufacture. The programme will include talks from invited speakers from academia and industry, as well as from selected submitted abstracts and will showcase presentations from C1net POC grant winners. This event will include the launch of the 2016 POC call (£200K available annually, £150K of which will be awarded following this conference) and will give plenty of opportunity for networking.

### Confirmed Speakers:

Rolf Thauer (Max Planck Institute)  
Josh Silverman (Calysta, USA)  
Peter Duerre (University of Ulm)  
Colin Murrell (University of East Anglia)  
Christian Kennes (University of La Coruña)  
Linsey Garcia-Gonzalez (VITO NV)  
Stéphane Guillouet (INSA de Toulouse)  
Miriam Rosenbaum (Aachen University, Germany)

### Details

What: FREE participation and full board for 2 nights and days.  
When: 19:00, Sunday 24 July - 17:00, Tuesday 26 July 2016  
Where: East Midlands Conference Centre and Orchard Hotel,  
The University of Nottingham, NG7 2QL

### Application

Open to C1net members only. **Places limited.**  
Attendance will be on successful application only.

FOR MORE DETAILS OR TO APPLY  
visit <http://www.c1net.co.uk/Events-conf-2.html>  
or email [jacqueline.minton@nottingham.ac.uk](mailto:jacqueline.minton@nottingham.ac.uk)



## OUTREACH

### Festival of Science and Curiosity Pop-up Shop – 17 February 2016

It can be a problem amusing your kids in the school holidays, but not in Notts. Half-term week in the Broadmarsh Shopping Centre Nottingham was the place to be for SBRC Nottingham and C1net's contribution to the "Festival of 'Science and Curiosity'". This is a major two week science event run annually by Nottingham Stemworks, and estimates a participation of 5000 people.

C1net members Louise Dynes, Tom Bailey, Christian Arenas and Jacque Minton manned a pop-up science shop which was visited by approximately 80 children with their parents. Whist kids were captivated coding their names into DNA bracelets, their parents were engaged in discussions on Synthetic Biology, climate change and how fuels can be made from polluting C1 gases. <http://www.nottinghamstemworks.co.uk/festival.html>

**“Nice and simple, my son (10yrs) wants to find out more.... I will Google it when I get home” said one grateful parent.**



### Nottingham European Student Parliament – 18-19 February 2016

More half term fun was to be had when C1net members Klaus Winzer, Brigitte Nerlich and Bart Pander became “expert witnesses” at Nottingham’s local “European Student Parliament” held in the Council House, Nottingham on 18-19 February 2016.

This Europe wide project is coordinated by Wissenschaft im Dialog and funded by the Robert Bosch Foundation and Bayer Science & Education Foundation with aim of promoting scientific exchange between young people. It involves 17 local parliaments across the breadth of Europe from Cork to Jerusalem, with one at Nottingham!! In each parliament, students between the ages of 16 to 19 had the chance to discuss issues and questions on the overall topic "The Future of the Human Being" with experts on hand. In July 2016, the final 3 day event of the 'European Student Parliaments' will take place in Manchester as part of the EuroScience Open Forum 2016 (ESOF) and will involve around 100 student delegates from all over Europe.

<http://www.student-parliaments.eu/>

**“These motivated 6<sup>th</sup> formers gave up their half term holiday to participate” said the Nottingham organisers**

## Global Bioenergies & LanzaTech sign CA

In France, Global Bioenergies and LanzaTech signed a new collaboration agreement to broaden the feedstock flexibility of Global Bioenergies' Isobutene process and the product-portfolio of LanzaTech's carbon capture technology. The news illustrates a new trend in the story of synthetic biology: the migration from the old "hardware" oil and grain refinery model to a model based on apps.

As LanzaTech CEO Jennifer Holmgren remarks, "Since it is biology and the reactor doesn't change, the production of new chemicals can be done with a flick of a bug... produce ethanol today, butadiene pricing goes up, no need to put more steel in the ground, flick the butadiene bug in for a campaign and produce butadiene while the price is still high. I think of it as hardware, software. You've installed the hardware now just add a new version of the software or a different app."

<http://www.biofuelsdigest.com/bdigest/2016/01/10/e-pluribus-unum-lanzatech-global-bioenergies-demonstrate-the-biotechnology-app-store/>



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@C1Net\_NIBB



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BBSRC NIBB Business Interaction Vouchers (£10K) will be used to encourage and support collaboration between academic partners and industrial partners within the C1NET framework. They will be awarded to undertake a defined piece of work by the academic partner for the industrial partner.

PLEASE NOTE: BIV awards should focus attention on UK based partners where there is benefit to the UK research base and the UK economy. In exceptional circumstances, where there is not a UK company to exploit the research a BIV may be awarded to an overseas partner company.