



## 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 David Fell (Oxford Brookes) as Col.



## Progress

Membership currently stands at 379 with members and 338 followers on Twitter. A total of 8 POC awards of £50,000 have been made so far, with 5 more pending the final call closing on 30 June 2017.

## Vacation Studentship Awards 2017

Congratulations and a student go to the following 5 PIs:  
Dr Claudio Avignone-Rossa, University of Surrey  
Professor Alex Conradie, University of Nottingham  
Professor Seth Davis, University of York  
Professor Nigel Minton, University of Nottingham  
Professor Stephen Wilkinson, University of Chester

## C1net Conference 3 – Chemicals from C1 Gas Nottingham, 5-7 November 2017

This FREE two-day conference will bring together academic and industrial partners to identify and address key challenges in the study of C1gas organisms able to grow on C1 compounds and commercially exploit them for chemical manufacture.

### APPLY NOW TO AVOID DISAPPOINTMENT

What: Free participation and full board

When: Sunday 5 November - Tuesday 7 November 2017

Where: East Midlands Conference Centre, Nottingham

<http://www.c1net.co.uk/Events-conf-3.html>

### SAVE THIS DATE

## C1net Metabolic Modelling Workshop 4 Nottingham, 15-19 January 2018

<http://www.c1net.co.uk/Events-workshop-4.html>



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# News and Events

July 2017

Issue 13

## CALENDER (C1net Other)

5-7 July 2017

9th European Symposium on Biopolymers (ESBP2017), Toulouse, France [Read more](#)

13 July 2017

Utilising Genetic Resources in R&D - Nagoya Protocol and associated EU Regulations, The Principle, York [Read more](#)

19–21 July 2017

7th International Conference on Biotechniques for Air Pollution Control and Bioenergy, La Coruna, Spain [Read more](#)

20-25 August 2017

International Biochar Conference, Italy [Read more](#)

11-15 September 2017

Bioprocessing STARS Skills School National Biologics Manufacturing Centre, Darlington [Read more](#)

20 September 2017

KTN Chemistry and Industrial Biotechnology Showcase 2017, York [Read more](#)

21 September 2017

Innovate/KTN/Biovale Pitch Event: Chemistry & Industrial Biotechnology for a Circular Bioeconomy, York [Read more](#)

28 September 2017

C1net @ New Scientist live, Excel, London [Read more](#)

9-11 October 2017

The European Forum for Industrial Biotechnology and the Bioeconomy The Square, Brussels [Read more](#)

10-11 October 2017

BioProNET 4th Annual Science Meeting Warwick Slate Conference Centre [Read more](#)

5 – 7 November 2017

C1net Conference 3, East Midlands Conference Centre, Nottingham [Read more](#)

15 - 19 January 2018

Metabolic Modelling Workshop 4, Park Inn, Nottingham [Read more](#)



## Joint BBSRC NIBB\* IBB Careers Fair Firth Hall, Firth Court, Sheffield 12 April 2017

by C1net member and attendee Pawel Piatek

The careers fair in Sheffield this April proved to be an important date in my calendar, especially as a final year PhD student. There is general feeling shared amongst final year PhDs, as to what to pursue after submitting their thesis and completing the viva, and career fairs such as this offer excellent insights to the long list of opportunities awaiting a completed PhD. What surprised me was how relevant a PhD will be with regards to careers that at first glance may not seem too obvious. Numerous pharmaceutical/multi-national/small-to-medium startups were representing themselves through presentations, explaining what they do and how they operate, some shared a lot with what we do in the SBRC Nottingham, others alluded a more general microbiology/biological career.

You could walk up to a company stand and ask questions, but what made the career fair special were the 1-2-1 sessions that you could pre-book in advance, sort of like speed dating (I assume). Each session comprised of a 10 minute chat with one of the representatives, to which you could ask detailed questions, or describe your lab work and see how that could fit in their company. Along with the 1-2-1 company sessions, there was a useful CV clinic for people wanting to improve their CV presentation skills.

**“I would highly recommend going to these events as they are completely paid-for and offer excellent networking opportunities, a good insight into future prospects after your PhD, and it goes without saying, a free lunch”.**

\* Participating BBSRC NIBB: CBMNet, C1net, HVCfP, BioCatNet, FoodWasteNet, Phyconet, ADnet, LBNNet



## Game of Fuels Paulet High School, Burton, 27 April 2017 by C1net member and facilitator Nicole Pearcy

On 27<sup>th</sup> April, C1net members, Louise Dynes, Jacque Minton, Martina Pasini and Nicole Pearcy, presented “Game of Fuels” to around 50 year 7 pupils at Paulet High School, Burton on Trent, as a fun way of increasing their awareness of biofuels and their importance in meeting future energy demands and combating global climate change. Throughout the game, pupils took on the roles of scientists trying to turn waste materials into their chosen biofuel, whilst being faced with real life political and environmental challenges that either helped or hindered their chances of beating their fellow classmates to the end of the board. Although some of the scientific concepts went beyond their current curriculum, the pupils were enthusiastic and excited to engage in the science whilst playing the game. Out of the 30 completed feedback forms, 100% of pupils reported they enjoyed the game, 90% said they learnt something, and 66% said they would like to learn more about biofuels!

**“It was the best lesson ever and I would love to do it again!”  
“I want to be a scientist now!”**

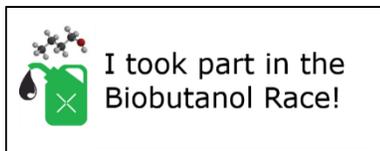


## “Wonder”, University Park, Nottingham, 17 June 2017

Not even the hottest day of the year kept Nottingham families away from “Wonder” at the University of Nottingham on Saturday 17<sup>th</sup> June 2017. “Wonder” is the University’s largest community engagement event and saw University Park transformed into a land of discovery and adventure with a packed schedule of free activities for all ages.



SBRC Nottingham and C1net presented “Bugs, Biofuel and the Biosphere” where various fun activities were used to show that not all microbes are bad and how some turn unwanted waste gases into fuels and chemicals. There was something for everyone: younger children had fun making placticine microbes inside an “anaerobic cabinet”, older ones raced against the clock to build bioethanol from molemods and parents were engaged by the biology of the bubbling bioreactor. Around 6000 people attended the University event with an estimated 350 visiting our stand.



Special thanks go to C1net members Philippa Strong, Muhammad Ehsaan and Louise Dynes for bravely battling the heat.

## C1net member Dr Volker Müller receives ERC Advanced Grant

The European Research Council recently awarded 231 Advanced Grants to top researchers in Europe. The funding, worth a total of €540 million, will give them a chance to realise their most creative ideas that can have a major impact on science, society and the economy. The grants fall under the 'Excellent Science' pillar of the EU's R&I programme Horizon 2020. Dr Müller of Goethe-University Frankfurt has received one of these prestigious awards to work on "Acetogenic bacteria: from basic physiology via gene regulation to application in industrial biotechnology".

**"The ERC grants, funded by the EU programme Horizon 2020, give freedom to scientists to follow their best ideas and make a real difference in science and beyond. ERC grantees' work and accomplishments are the best way for the EU to reconnect and engage with its citizens".**

Carlos Moedas, European Commissioner for Research, Science and Innovation.



[MORE HERE](#)



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@C1Net\_NIBB



**BIVS CALL OPEN – NOW £10K**

APPLY HERE -

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

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.