



Who Are We?

C1net is the new 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 227 with members from Europe, India, USA and Russia and we have 183 followers on Twitter. 3 PoC awards of £50,000 have now been made.

Closing date for the next PoC awards - 31 August 2015.

C1net Workshop 2 on Metabolic Modelling Introduction to Kinetic Modelling 28 September – 2 October 2015 Oxford

About

This combined theoretical and practical course will explain the theory of kinetic modelling and related concepts such as Metabolic Control Analysis, with particular emphasis on examples drawn from microbial metabolism. It will be presented by David Fell and his colleagues in the Cell System Modelling Group of Oxford Brookes University.

Details

What: **FREE** participation and full board for 5 days and 4 nights.

When: Monday 28 September – 2 October 2015

Where: Lady Margaret Hall, Oxford, OX2 6QA

Application

Attendance is by invitation after application.

Open to C1NET and other NIBB members only.

Application deadline: 10 August 2015

FOR MORE DETAILS AND APPLICATION FORM

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



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www.c1net.co.uk

CALENDER (C1net Other)

23-24 June 2015

C1 net Partnering Event, Nottingham

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

5-9 July 2015

Synthetic and Systems Biology Summer School, Sicily, Italy

<http://www.taosciences.it/ssbss2015/>

15-17 July 2015

3rd International Workshop on Prokaryotic Genomics & Bioinformatics Göttingen, Germany [Flyer](#)

http://www.nzmg.de/en/index_en.php?sec=ws

1 – 3 September 2015

Synthetic Biology UK 2015

1—3 September 2015

Charles Darwin House, London, UK

<http://www.biochemistry.org/Events/tabid/379/MeetingNo/SYNBIO/view/Conference/Default.aspx>

28 September – 2 October 2015

C1 net Workshop 2 on Metabolic Modelling - Introduction to Kinetic Modelling, Oxford

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

31st August 2015

Second round C1net PoC closes

20-21 October 2015

2nd Synthetic Biology Congress, London

27-29 October 2015

European Forum for Industrial Biotechnology, Brussels, Belgium

www.efibforum.com

28-30 October 2015

BioMicroWorld, Barcelona, Spain

<http://www.biomicroworld2015.org/>

9-10 December 2015

The 2015 European Biopolymer Summit



Rolf Thauer and admirers...

C1net Partnering Meeting – Nottingham, 23-24 June 2015

The elusive summer sun finally came out to welcome 46 delegates from all parts of the world to the University of Nottingham campus, for the C1net/Metals in Biology partnering event “Metabolism and Enzymology of C1 Organisms”.

The event was held in the well-appointed new School of Humanities building and the accommodation in halls of residence allowed delegates to revisit and reminisce about student days.

The meeting mixed inspirational talks from academia and industry with pitching, networking and project building activities. Special guest speakers included Stephen Ragsdale (University of Michigan), Rolf Thauer (Max Planck Institute), Volker Müller (Goethe-University), Tom Smith (Sheffield Hallam), and Frank Sargent (Dundee) and industry representatives from Calysta, Lanzatech, ZuvaSyntha and Ingenza.

By the end of two days of caffeine and creativity, with KTN catalysts Amy Tayler and Simon Baty, there emerged 9 embryonic projects which we hope will develop into PoC applications for the £250K funding available this year.

Delegates gave good feedback for the event. They appreciated the high calibre of invited speakers, the mix of academia and industry, the pitching, and the ample opportunity to network.

**“Thanks for the excellent and well organised event!”
said Rahman Pattanathu, TeeGene Biotech Ltd**

OUTREACH



Science Taster Day – 15 April 2015

A high-flying group of fourteen year 10 school pupils listened intently while C1net members and PhD students Laura Finney, Christian Arenas and Bart Pander explained their varying career paths into Science. They then experienced what it was like to be a scientist when they extracted DNA from strawberries and “designed their own plasmids” in a synthetic biology game.

Most of the pupils already seemed to have a good idea about the areas which they wanted to study, and not all were committed to a scientific path. However we believe we helped open their eyes to the breadth of scientific careers available and the importance of Science to the world around them.

Mayfest – 9 May 2015

Mayfest 2015, at the University of Nottingham, welcomed hundreds of families onto the University Park campus for this annual, community open day. All departments contributed hands-on activities for children and their parents.

On the “Synbio Bugs” stand, hosted by C1net and SBRC Nottingham, demonstrators engaged younger children with making model microbes from plasticine which they housed in petri dishes. They went away happy with a “I ♥ Microbes” sticker and the message that not all microbes are bad. They also tried their hand at “streaking” bacterial plates in our new mock anaerobic cabinet. Older children learned about gas fermentation from the gas fermenter demonstration and used molymods (<http://www.molymod.com/>) to turn simple carbon molecules into more complicated ones.

**“We estimate that 450 children visited our stand”
said Louise Dynes (SBRC Outreach Officer)**

DNA Discovery Day – 24 June 2015

30 year 6 pupils from St Teresa’s Primary School in Nottingham had a real treat when C1net member and SBRC outreach officer Louise Dynes showed them how to make edible DNA from sweets.



**“HAVE
YOUR DNA
AND EAT IT”**

China Steel green lights commercial-scale LanzaTech gas fermentation project

In Taiwan, China Steel Corporation announced formal Board approval of a \$46M capital investment in a LanzaTech commercial ethanol facility. This follows the successful demonstration of the revolutionary carbon recycling platform at the White Biotech Demonstration Plant in Kaohsiung using steel mill off-gases for ethanol production.

BioSyntha and ZuvaChem Announce a Merger and Financing to Form ZuvaSyntha Ltd

Announced on 18 May, the merger will bring enhanced focus and resources to commercialise the microbial production of industrial chemicals from inexpensive renewable feedstocks such as syngas and methanol.



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@C1Net_NIBB



Call for BBSRC Pool of Experts, Strategy Advisory Panels, Committee E and Follow-on-Fund Committee

This is an opportunity to work with other highly experienced people from across the academic, public, private and civil sectors to make an important contribution to the future direction of bioscience research.

Application deadline: 5 July 2015

[MORE DETAILS](#)