BBSRC Networks in Industrial Biotechnology and Bioenergy (BBSRC NIBB)

Charlotte Bell – Senior Business Interaction Manager
BBSRC NIBB (2014-2019)

Total funding = £18M
EPSRC = £1M

Biocatalysis

Biorefining

Novel Chassis

HVC/Natural Products

Cross Cutting

www.bbsrc.ac.uk/bbsrcnibb
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Network and Catalyst model

VISION
UK bioscience research delivering new products & processes key to the bioeconomy and driving economic growth for the UK and worldwide

Network Members
- Network Leadership
- Network Director
- Network Manager
- Management Board
- Industry representatives
- International connections

Multidisciplinary academics postgraduates

Public Engagement
Input to Policy

BIVs & Proof of Concept Funds Administered by Network

IB Catalyst
- Research Council Funding
- Innovate UK Funding
- International Funding

Scale up and Demonstration
Commercialisation

£18M funding for 13 networks
www.bbsrc.ac.uk/bbsrcnibb

£34M funding for 2015-16

IB Catalyst
5 year funding programme
BBSRC, EPSRC, Innovate UK
BBSRC NIBB: Academic Membership

• Number of members range from 139 to 422 per Network (approx. 3259 memberships in total)
• Gender balance (overall) for Networks 68% Male : 32% Female

• 1550 UK based academic members from 100+ Public research organisations

• Approximately 150 academics based at overseas institutions
• Australia, Brazil, Germany, India, Spain and more

• Multidisciplinary membership base
BBSRC NIBB: Memberships

---|---|---|---|---|---|---
1913 | 1063 | 1443 | 2780 | 3259 | 1700 | 819

- Industry memberships
- Number of companies
- Total memberships
- Academic members
BBSRC NIBB: Industrial Membership

- 399 companies with 819 memberships across 13 Networks
- Average industry membership 25% (range from 19% - 33%)
- Companies displayed proportional to number of memberships
Business Interaction Vouchers (BIV)

- Networks have 520 BIVs to distribute, 43 have been awarded after 12 months, Network spend ~ £214k
- Industry has invested ~ £270k (majority in-kind contributions)
- Applications encouraged
- Feedback

Proof of Concept funding (PoC)

- 51 PoC projects awarded
- Industry has invested at least £230k (majority in-kind contributions) in 34 PoC projects
Example PoC and BLV awards

• Developing a pipeline for antibiotic discovery
• Integrated catalytic processing of lignin
• Simplified Biocatalyst production via auto-secretion
• Evolution of Butanol resistance in *E. coli*
• Metal demands during protein overexpression in bacteria
• Arabinoxylan co-production from sugarcane bagasse in integrated biorefineries
Additional activities

• 6 monthly Network Manager meetings

• PI meeting planned for 25 June 2015 to discuss BBSRC strategy and CSR bids

• Production of a quarterly newsletter to highlight events and awarded projects

• BBSRC NIBB data used to inform the recent BBSRC economic impact study and a Cogent Skills activity

• BBSRC NIBB data used to provide internal information/intelligence for company and institute visits across the office.
Processing Technologies for Recovering Value Added Components from Food Processing Waste

16-17 July 2015, University of Reading

FoodWasteNet

PHYCONET ANNUAL CONFERENCE 2015
AUGUST 26

CBMNet-Engineering the Membrane for Improved Cell Factories
17-18 September 2015, Sheffield

BioProNet

***2nd Annual Scientific Meeting, October 22nd-23rd 2015, Manchester Registration now open***
Any Questions?

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Chloe Heywood – Strategy and Policy Officer