

ENGINEERING AND PHYSICAL SCIENCES RESEARCH COUNCIL

Research Council Strategy and Funding

Biological Catalysis and Industrial Biotechnology

11th June 2010

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Manufacturing Sector Team Member

Synthetic Chemistry Portfolio Manager

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Overview

- EPSRC Background
- Current IB Activity
- EPSRC Strategic Plan 2010
- Manufacturing Strategy

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The Engineering and Physical Sciences Research Council

- We are the main UK government agency for funding **Research** and **Training** in **Engineering** and the **Physical Sciences**.
- We invest around **£800 million a year** so the UK will be prepared for the next generation of technological change

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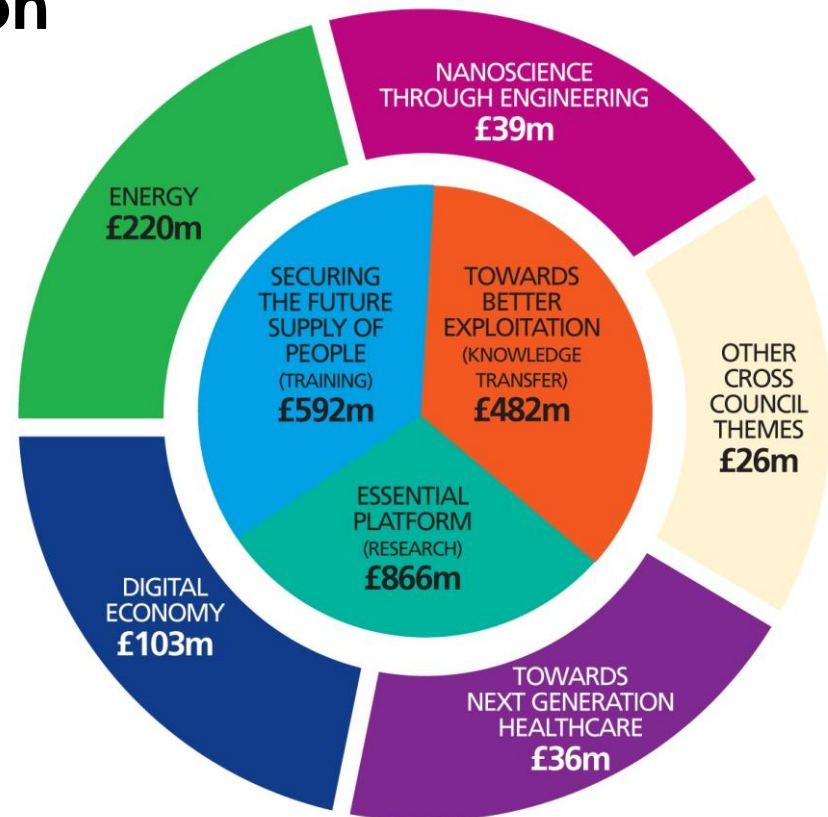
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EPSRC Organisational Structure

Two outward-focussed directorates:

Research Base

Business Innovation



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Industrial Biotechnology Activity

- Member of the Industrial Biotechnology Innovation and Growth Team (IBI-GT) Leadership Forum
- Involvement in BBSRC Industry Clubs including IBTI Club and BRIC
- Activities funded by Energy RCUK Mission Programme including SUPERGEN consortia.
- 3 Relevant Industrial Doctoral Training Centres
- Chemical Biology Workshop – 10th June

Collaborative Funding Opportunities

EPSRC also has a number of schemes to encourage academic/industry interactions.

- **Industrial CASE Studentships** – 10% of each DTA allocation / Pool Competition
- **Knowledge Transfer Partnerships (KTPs)** – www.ktponline.org.uk
- **Industrial Doctoral Training Centres (IDCs)**
- **Knowledge Transfer Accounts and Secondments (KTAs and KTS)**

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Collaborative Funding Opportunities Cont.

- **Innovation and Knowledge Centres (IKCs)**
- **Innovative Manufacturing Research Centres (IMRCs)**
- **Strategic partnerships**
- **Follow-on fund – Annual calls**
- ***Business plan competition (RCUK)***
- ***Royal Society Industry Fellowships***
- ***Technology Strategy Board***

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Industrial Biotechnology in Essential Platform

The programmes that look after basic research in the areas relating to Industrial Biotechnology are:

- Physical Sciences

- Synthetic Chemistry (Clare Bumphrey/Gareth Buchanan)

- Physical/Analytical Chemistry (Claire Higlett/Martin Sweet)

- Process Environment and Sustainability

- Process Engineering (Tracy Hanlon/Talit Ghaffar)

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EPSRC Strategic Plan 2010

- Three Goals
 - Delivering Impact
 - Shaping Capability
 - Developing Leaders

EPSRC
CAPABILITY
IMPACT
SKILLS
CREATIVITY
CHALLENGES
PARTNERSHIP
EXCELLENCE
LEADERS
RESEARCH
EUROPEAN
COMMISSION
FUTURE
FOCUS
SNOW

STRATEGIC PLAN 2010

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Manufacturing Strategy

- Definition of Manufacturing has changed.
- Activities are being co-ordinated within EPSRC.
- EPSRC is working on Manufacturing Strategy for Delivery Plan.
- This strategy is made up of eight strands including Future Leadership; Skill and Technology for Sustainable Manufacturing.

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Thanks

Any Questions?

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