



# Research Council Strategy and Funding

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- **What is Industrial Biotechnology?**
- **BBSRC's Strategic Plan**
- **BBSRC's Research Portfolio**
- **Top Research Areas**

# Industrial Biotechnology?



BIS defines IB as:

*“The use of biological resources for producing and processing chemicals, materials and energy”*

Key Points:

- Marine or Land-Based
- Product focused definition

# The Age of Bioscience

**Driven by new tools  
and technologies**

***“Industrial Biotechnology  
offers novel solutions through  
the use of plants, bacteria,  
algae and fungi as non-fossil  
sources of renewable energy,  
materials and chemicals”***



## Three major research priorities



**Food Security**



**Bioenergy and  
Industrial  
Biotechnology**

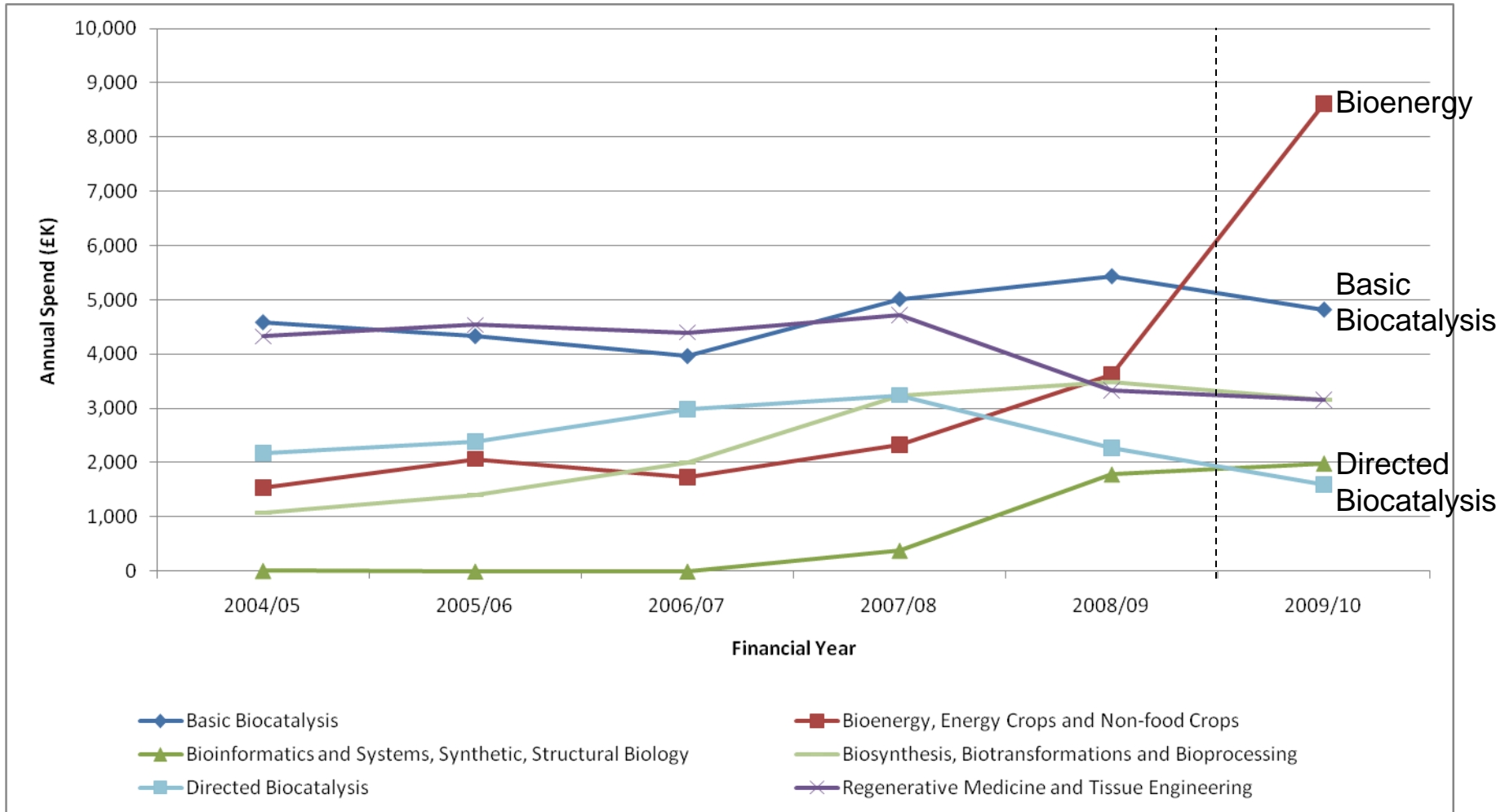


**Basic bioscience  
underpinning health**

## Research Categories:

- **Biocatalysis: Basic and Directed**
- Biologics (Biological Therapeutics)
- Bioenergy, Energy Crops and Non-Food Crops
- Bioinformatics and Systems, Synthetic and Structural Biology
- Biomaterials and Biochemicals
- Bioreactors and Fermentors
- Bioremediation and Waste Treatment
- Bioseparation
- Biosynthesis, biotransformations and bioprocessing
- Cereal Crops
- Genomics / Metabolomics
- Imaging and Analytical techniques
- Regenerative Medicine and Tissue Engineering

# Top Research Areas



**Some institutes that we support in this area:**

- **Rothamsted Research**
- **IBERS**
- **JIC**
- **Babraham**

**Some initiatives that we support in this area:**

- **BSBEC**
- **IBTI Club**
- **Renewable Materials LINK**

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