

Synthetic Biology ERA-NET - 1st joint call

In collaboration with 12 European countries and the USA

Application deadline: 26 August 2013, 4pm

Summary

This is the first Synthetic Biology ERA-NET (ERASynBio) joint call for transnational research projects aims to build European Synthetic Biology capacity through innovative transnational projects.

BBSRC has made up to £2.5M available for the UK component of funded the consortia with a funding total pot for all participating countries around £13.5M.

Scope

This call will address broad research areas within Synthetic Biology, based on the following definition: **"Synthetic Biology is the engineering of biology: the deliberate (re)design and construction of novel biological and biologically based parts, devices and systems to perform new functions for useful purposes, that draws on principles elucidated from biology and engineering."**

The projects could originate from one or more of the following scientific (sub) fields:

- Metabolic engineering: Attaining new levels of complexity in modification of biosynthetic pathways for sustainable chemistry.
- Regulatory circuits: Inserting well-characterised, modular, artificial networks to provide new functions in cells and organisms.
- Orthogonal biosystems: Engineering cells to expand the genetic code to develop new information storage and processing capacity (xeno nucleic acids) and protein engineering.
- Bionanoscience: Developing molecular-scale motors and other components for cell-based machines or cell-free devices to perform complex new tasks.
- Minimal genomes: Identifying the smallest number of parts needed for life as a basis for engineering minimal cell factories for new functions.
- Protocells: Using programmable chemical design to produce (semi-)synthetic cells

Applications will be expected to demonstrate multidisciplinary with the primary focus of the UK component of joint applications falling within our remit (see our portfolio in related links).

Each application must involve a **minimum of three partners from at least three different European funding countries** participating in the call (consortia involving US-partners must involve partners from a minimum of four countries).

How to apply

Full details on the call are available on the ERASynBio website (see external links).

This call is coordinated by the ERASynBio Joint Call Office, which is led by Project Management Jülich (PtJ), Germany. Applications must be made through the pt(outline* system (see external links).

Contact

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