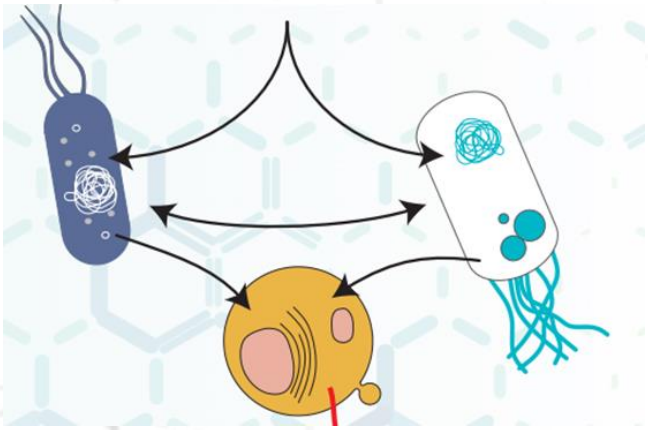
POST-DOCTORAL POSITION:
National Center of Biotechnology (CSIC), Madrid (Spain).

Postdoctoral position is offered to carry out a competitive research project in the field of Systems Metabolic Engineering under Synthetic Biology framework:

Synthetic Biology-driven Engineering of Distributed Biocatalyst



Key words: **Systems Biology, Synthetic Biology, Systems Metabolic Engineering, Metabolism Expansion, Synthetic Microbiomes, DBTL optimization cycles, Bioplastics, PHA**

Description of Work: The research project funded under HE is aimed to engineer synthetic microbial consortia as robust and efficient biocatalysts towards sustainable bioprocesses. The tasks involve: i) model and evolutionary-driven designing and optimization of synthetic microbial consortia, ii) application of microbiome-based DBTL cycles.

Requirements:

PhD in Molecular Biology, Synthetic Biology or similar with experience in bacterial physiology and metabolism. Knowledge of yeast physiology, bioinformatics and omics-data management will be highly valued.
Excellent English (written and spoken) is required.
This is a 3-years contract. Salary according to expertise.

Contact and more information:

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https://www.cnb.csic.es/index.php/es/investigacion/departamentos-de-investigacion/biologia-de-sistemas/nogales

Related publications:

Manoli et al., **(2022) mBio:** 18;13(1):e0179421
Goris et al., (**2021**) **Microb Biotechnol**: 14(1) 94-110
García-Jimenez et al., **(2021) Comput Struct Biotechnol J**: 15;19:226-246
Nogales et al., (**2014**) **Nature Biotechnology**: 32 (5), 447-452.