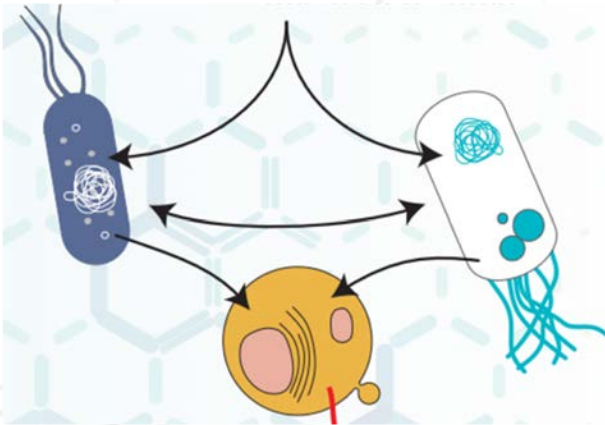


POST-DOCTORAL POSITION:

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:

Dr. Juan Nogales Enrique jnogales@cnb.csic.es

<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.