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