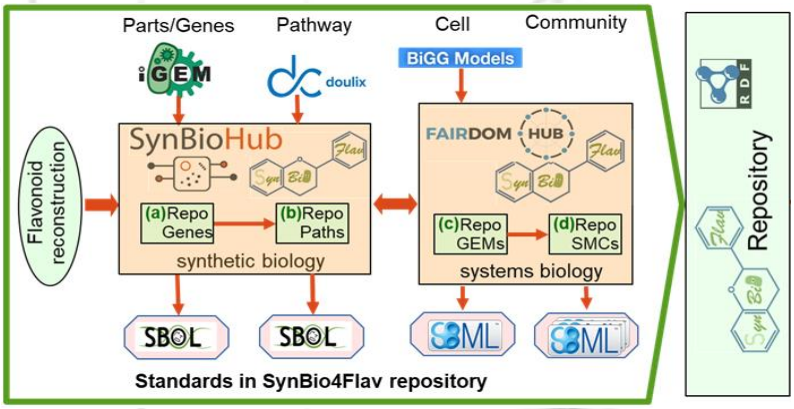
POST-DOCTORAL POSITION:
Centro Nacional de Biotecnología (CSIC), Madrid (Spain).

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



Key words: **Systems Biology, Synthetic Biology, Systems Metabolic Engineering, Constraints-Based Analysis, Synthetic Microbial Consortia, Complex Chemicals**

Description of Work: The research project funded under H2020 is aimed to engineer synthetic microbial consortia as sustainable biofactories towards the production of complex chemicals. The tasks involve: i) model-driven designing and analysis of synthetic microbial consortia, ii) construction of a computational pipeline for systematic assembling of flavonoid biosynthetic pathways, and iii) characterization of bacterial consortia assisted by computational contextualization of OMICs data.

Requirements:

PhD in Computing Sciences, Bioinformatics or similar, technical skills in Metabolic Modeling will be valued. Excellent English (written and spoken) is required.

This is an up to 4-years contract commencing inmediatelly.
Salary according to expertise.

Contact and more information:

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Related publications:

García-Jiménez et al., (**2018**) **Bioinformatics**:34 (17), i954-i963
Gudmundson and Nogales. **(2015) Molecular Biosystems**: 2;11(1):60-70.
Nogales et al., **(2014) Nature Biotechnology**: 32(5),447-452