Postdoc Position in Synthetic Biology

European Innovation Council (EIC) Pathfinder Grant: Clever Combination of Synthetic Compartmentalization, Carbon Fixation, and Compound Biomanufacturing (C5)

Are you passionate about cutting-edge science and ready to tackle global challenges through innovative research? We are looking for a highly motivated and talented Postdoctoral Researcher to join our international and interdisciplinary team as part of the C5 Project, funded under the prestigious EIC Pathfinder program.

About the Project

The C5 consortium aims to develop a disruptive Solar-to-X technology that converts sunlight, water, and carbon dioxide directly into valuable chemicals and fuels using highly engineered cyanobacteria. Coordinated by the Universidad de Córdoba (Spain) alongside four European partners—Charité – Universitätsmedizin Berlin, Universiteit Leiden, Wageningen University, and the SME INSociety—the project is highly collaborative and interdisciplinary. For more information, visit: https://c5-project.eu/.

Key Responsibilities

- Design and execute genetic engineering strategies in cyanobacteria to optimize synthetic compartmentalization and carbon fixation.
- Conduct independent and collaborative experiments to advance Solar-to-X biomanufacturing goals.
- Analyze data, present findings within the consortium, and contribute to scientific publications.
- Collaborate closely with multidisciplinary European partner teams.

Your Profile & Qualifications

- PhD in Biochemistry, Biotechnology, Bioengineering, Chemistry, Biology, or related disciplines.
- Extensive expertise in molecular biology and/or synthetic biology.
- Strong background in the genetic modification of microorganisms, ideally cyanobacteria.
- Excellent ability to conduct experiments both independently and collaboratively.
- Genuine enthusiasm for science, innovation, and creative thinking.
- Excellent communication skills in English (Spanish is not required).

We Offer

- A full-time Postdoc contract for 1 year, with the possibility of extension.
- An exciting role at the forefront of European synthetic biology research within a high-profile EIC Pathfinder consortium.

How to Apply

Application deadline: 31st October 2026.
Please send your application as a single PDF file containing:

- A motivation letter describing your experience and research interests.
- A comprehensive CV.
- Contact information for three professional references.

Send your PDF to **b32domam@uco.es** and **ge2kirkh@uco.es**, indicating "C5 Postdoc Position" in the subject line.