

## Postdoctoral position (supervisor: Dr. Beatriz Orosa & Dr. Lara Villarino) · Call for expression of interest

We are seeking a highly motivated and enthusiastic postdoctoral researcher to join the Orosa group at CIQUS (Universidade de Santiago de Compostela) within the framework of the *UBIQUIP* project (PID2024-163085OB-I00). The project focuses on the development of engineering biosynthetic pathways to fine-tune immune responses in plants through the design and implementation of light-activated enzymatic systems. This research aims to extend the synthetic capabilities of enzymes by introducing activities not found in nature, with a strong emphasis on real-world applications in food security and sustainability. In particular, the project contributes to the United Nations Sustainable Development Goal 2: Zero Hunger, by developing innovative strategies to mitigate crop disease and reduce agricultural losses.

### DESCRIPTION

- Research topic: Biological Chemistry, Biocatalysis, Enzymes, Rational protein design, Organic Chemistry.
- Research Center: CiQUS ([www.usc.es/ciqus/en](http://www.usc.es/ciqus/en)), University of Santiago de Compostela (Spain).
- Research Supervisors: Dr. Beatriz Orosa & Dr. Lara Villarino

### STARTING DATE

February 2026 (starting date could be flexible)

### REQUIREMENTS

- PhD in Biochemistry, Chemistry or a related discipline.
- Previous experience in enzyme engineering, synthetic & molecular biology and high-throughput screening assays.
- Excellent communication skills and proficiency in written and spoken English

### FURTHER INFORMATION

<https://www.usc.es/ciqus/en/personal/beatriz-rosa-puente>

<https://investigacion.usc.gal/investigadores/60660/detalle?lang=en>

### APPLICATION

Applications should be sent to [lara.villarino@usc.es](mailto:lara.villarino@usc.es), including a cover letter and short CV in one single PDF, and the name and e-mail of two professors that might provide a recommendation letter. Please include "Postdoc\_UBIQUIP\_YourSurname" in the subject line of the email.

### DEADLINE

31/01/2026

