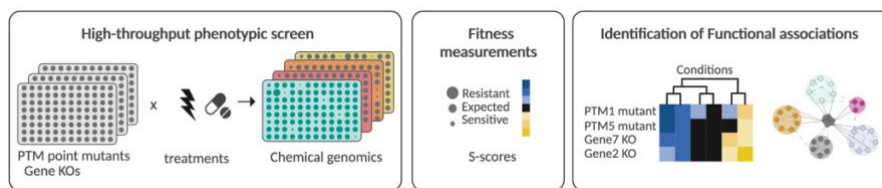


PhD Student Recruitment

Histone Post-Translational Modifications (PTMs) regulate chromatin functions. Misregulation of histone PTMs and their regulators is associated with human diseases. Hundreds of histone PTMs have been identified in the eukaryotic cell. A small subset of them are very well characterized from model organisms to human cells, however, the function of many others and how they are regulated in a context-specific manner remains a mystery. Until now, **systematic functional studies** were not possible due to methodological limitations. We are going to tackle this question using a new approach based on reverse genetics, chemical genomics and computational analysis using *S.cerevisiae* as a model organism. Are you interested in joining our group?

We combine cutting-edge **high-throughput methodologies based on reverse genetics, chemical genomics** and computational analysis with classical **molecular biology** techniques using yeast. We collaborate with international groups, which offers the possibility of short research visits during the PhD. Our group is based at the Functional Biology and Genomics Institute (IBFG) in Salamanca, Spain. IBFG is a joint centre between the Spanish Research Council (CSIC) and the University of Salamanca.



Candidate requirements:

- Degree in Bioscience (Biology, Genetics, Biotechnology, Biochemistry, etc)
- Official Master in Bioscience
- Previous Research Experience (experience working with yeast is a plus but not required)
- Team player and good communication skills

It will be positively valued: Previous experience working with yeast or cell culture, Fluent in English and/or Experience in Bioinformatics (R or Python)

We offer: a 4-year FPI contract that comes with exciting opportunities to learn state-of-the-art methodologies in both cutting-edge techniques and classical molecular biology. As part of our young and growing group, you will have the chance to establish international connections and apply for research visits during your PhD. All of this, in Salamanca, a vibrant and student-friendly city.

Send us your CV, a Motivation letter and the contact details of 2 References to cristina.vieitez@usal.es before August 31st.

More info:

- **Viéitez C, et al. High-throughput functional characterization of protein phosphorylation sites in yeast, *Nature Biotechnology*, 2022.**
- **Viéitez C, et al. A genetic analysis reveals novel histone residues required for transcriptional reprogramming upon stress, *Nucleic Acids Res*, 2020.**
- **IBFG website** <https://ibfg.usal-csic.es/cristina-vieitez.html>
- **Lab Website** <https://sites.google.com/view/cristinavieitezlab/home>