

## Postdoctoral position available at the Oxidative Stress and Cell Cycle Group (UPF, PRBB)

The [Oxidative Stress and Cell Cycle Research Group](#) at Universitat Pompeu Fabra is interested in studying the components and molecular mechanisms which regulate cell responses to oxidative stress, the control of the cell cycle, and protein quality control, using the fission yeast *Schizosaccharomyces pombe* as a model system. To obtain more information about the laboratory and about our research interests, please consult our group's web page ([www.upf.edu/osccq](http://www.upf.edu/osccq)). Some recent publications of the group include the following:

- Cabrera et al. 2020. Chaperone-facilitated aggregation of thermo-sensitive proteins shields them from degradation during heat stress. *Cell Rep.* 30:2430–2443.  
 Carmona et al. 2019. Monitoring cytosolic H<sub>2</sub>O<sub>2</sub> fluctuations arising from altered plasma membrane gradients or from mitochondrial activity. *Nat. Commun.* 10:4526.  
 González-Medina et al. 2019. Gcn5-mediated acetylation at MBF-regulated promoters induces the G1/S transcriptional wave. *Nucleic Acids Res.* 47:8439-8451.  
 Boronat et al. 2017. Lack of a peroxiredoxin suppresses the lethality of cells devoid of electron donors by channelling electrons to oxidized ribonucleotide reductase. *PLoS Genet.* 13:e1006858.  
 Alves-Rodrigues et al. 2016. Spatiotemporal control of forkheads binding to DNA regulates the meiotic gene expression program. *Cell Rep.* 14:885-895.  
 Encinar del Dedo et al. 2015. A cascade of iron-containing proteins governs the genetic iron starvation response to promote iron uptake and inhibit iron storage in fission yeast. *PLoS Genet.* 11:e1005106.  
 García-Santamarina et al. 2014. Monitoring in vivo reversible cysteine oxidation in proteins using ICAT and mass spectrometry. *Nature Prot.* 9:1131-1145.

We have an opening for 2021 for **1 postdoctoral fellow** to work on any of the topics of interest in our lab (see above). We propose the candidates to apply to the **Juan de la Cierva** call, and we offer co-financing of the contract if granted.

**Candidate requirements:** Highly motivated scientists with strong background in Cell Biology, Molecular Biology and Genetics  
**Background:** Biology or Chemistry  
**Languages:** English  
**Deadline for application:** Juan de la Cierva call, **15 January 2021**  
**Duration:** Minimum of **two years**

**Application procedure:** send your CV, a brief statement of research and 2-3 names of references (with e-mail and phone numbers) to:

[elena.hidalgo@upf.edu](mailto:elena.hidalgo@upf.edu) or [jose.ayte@upf.edu](mailto:jose.ayte@upf.edu)

