

Our group is interested in studying the components and molecular mechanisms which regulate the responses to oxidative stress and the control of the cell cycle, using the fission yeast *Schizosaccharomyces pombe* as a model system. Imbalances between generation and scavenging of reactive oxygen species (**ROS**) give rise to an increase of their intracellular steady state concentrations and, as a consequence, to a complex situation so-called **oxidative stress**. A main goal of our laboratory is to study at the molecular level how the cell senses oxidative stress, which mechanisms are triggered to allow adaptation to the stress, and which damages occur upon stress imposition. To obtain more information about the laboratory and its research interests, please consult our group's web page (www.upf.edu/osccg).

We offer a **postdoctoral position** to characterize the oxyproteome of *Schizosaccharomyces pombe* in response to intrinsic oxidative stress, that is, to identify all the proteins oxidized by an increase of intracellular ROS.

Candidate requirements: PhD

Studies: Biology or similar

Languages: English

Starting Date: **Early 2008**

Duration: yearly renewals for a maximum of **four 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

