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