



U N I V E R S I T A ' D I P A V I A
DIPARTIMENTO DI GENETICA E MICROBIOLOGIA
"A. BUZZATI TRAVERSO"
Via Ferrata 1, 27100, Pavia, Italy

PHD FELLOWSHIP IN MOLECULAR STRUCTURAL BIOLOGY

Applications are invited for a **PhD Studentship** in the group of Dr. Andrea Mattevi at the University of Pavia. Current research activities investigate **human protein complexes involved in chromatin remodeling**. The core of the research activity is represented by X-ray crystallography employed to study three-dimensional structures complemented by other chemical biology and biophysical approaches. The studentship will be part of the PhD program in Biomolecular Sciences and Biotechnology coordinated by the "Institute for Advanced Study (IUSS)" and the University of Pavia.

Project Supervisor: Prof. Andrea Mattevi

Funding Availability: Funding is available, preferably for students from EU and Eastern European countries

Entrance: June 2008 - October 2008

Information: For further details please contact Andrea Mattevi (mattevi@ipvgen.unipv.it) or visit our website (<http://www.unipv.it/biocry>)

De Colibus, L., Mattevi, A. (2006) New frontiers in flavoenzyme structure and mechanism. *Curr. Opin. Struc. Biol.* **16**, 722-728.

Fornieris, F., Binda, C., Dall'Aglio, A., Fraaije, M.W., Battaglioli, E., Mattevi, A. (2006) A highly specific mechanism of histone H3-K4 recognition by histone demethylase LSD1. *J. Biol. Chem.* **281**, 35289-35295.

Razeto, A., Mattioli, F., Carpanelli, E., Aliverti, A., Pandini, V., Coda, A., Mattevi, A. (2007) The crucial step in ether phospholipid biosynthesis: structural basis of a non-canonical reaction associated to a peroxisomal disorder. *Structure* **15**, 683-692.

Alfieri, A., Ferini, F., Ruangchan, N., Prongjit, M., Chaiyen, P., Mattevi, A. (2007) Structure of a two-component monooxygenase. *Proc. Natl. Acad. Sci.* **104**, 1177-1182.

Fornieris, F., Binda, C., Battaglioli, E., Mattevi, A. (2008) LSD1: Oxidative Chemistry for Multifaceted Functions in Chromatin Regulation. *Trends Biochem. Sci.*, in press