



Biotechnology and Life Science - V.P. POSITION

DESCRIPTION OF THE PHD PROGRAM

Background and Rationale: The PhD program in Biotechnology and Life Science of the University of Parma supports innovative research proposals in the field of Molecular Biology, Genetic and Environmental sciences. The PhD College will appoint a Visiting Professor with a profile of excellence in the determination of the structure-function of macromolecular complexes of proteins and nucleic acids. This is an emerging aspect of biological research that has profound implications in both physiology and pathology study.

Objectives: The appointment of an international expert in this emerging research field is expected to enrich the training courses offered by the PhD program and to provide opportunities of exchange collaborations with other Universities or foreign research centres in Europe or outside Europe.

Research and Training: The appointed Visiting Professor will be involved in lectures and practical courses in structural Biology, as well as in the co-supervision of a PhD thesis.

DESCRIPTION OF THE SCIENTIFIC FIELD & VISITING PROFESSOR PROFILE

The Biotechnologies and Biosciences Doctorate is characterized by innovative proposals in the field of Molecular Biology. The Doctorate requires a Visiting Professor with a profile of excellence in the field of establishment of the structure – function of the proteins and nucleic acids macromolecular complexes. This topic is a fundamental and emerging element of the molecular level physiology and pathology study. The proposed topic has a complementary and interdisciplinary character regarding the various research areas of this Doctorate.

DESCRIPTION OF THE DIDACTIC ACTIVITIES OF THE VISITING PROFESSOR

The required profile would be one of a professor with consolidated experience in academic teaching in Molecular Level Structural Biology and tutoring PhD students. Particular attention would be paid to the teaching practices developed through applied training as an interface between academics and research, and conveyed through state-of-the-art methodologies such as “active learning” and “student peer review”.

Presence at the University of Parma: 3-4 weeks / year