



Department of Environmental Sciences (O-2)

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Open position for a PhD student,

We are hiring outstanding, highly motivated individuals interested in pursuing Ph.D. research in the multi-disciplinary and challenging area of colloid biology. The colloid biology is a new research field. The processes such as aggregation of cells, biofilm formation, interaction with material surfaces and similar are objectives of this exciting new field. Understanding these processes aims to bring out new biocatalysts for transformation of waste products, which at the end result into new biotechnological processes and reduction of costs of current conventional approaches.

The formation of multispecies or multistrain aggregates, metabolic exchange among aggregated cells and dynamics of the population/community is the direction of the PhD research project for which we are hiring.

Students must have finished M.Sc. in chemical engineering, biology related fields, molecular biology, biochemistry, colloid physics or equivalent fields.

We look forward to receiving your letter of motivation, a comprehensive CV, B.S. and M.S. transcripts, electronic copies of the B.Sc./M.Sc. thesis and/or publications (if available) and names and addresses of references.

Prospective PhD student will be working in the Lapanje's group of Bioanalytics, Laboratory for Colloid Biology at the Department of Environmental Sciences, Jožef Stefan Institute.

For further information please contact Assist. Prof. Aleš Lapanje (email: ales.lapanje@ijs.si)

More about the Jožef Stefan Institute:

The Jožef Stefan Institute is the leading Slovenian research organisation. It is responsible for a broad spectrum of basic and applied research in the fields of natural sciences and technology. The staff of around 960 specialize in research in physics, chemistry and biochemistry, electronics and information science, nuclear technology, energy utilization and environmental science.

The Institute is closely connected with the Slovenian universities, where many scientists who initially developed their research talents at the Institute have been appointed to teaching posts, while still retaining their research positions or research teams at the Institute. Since 1985 more than 1800 postgraduate students have gained their MSc. and Ph.D. degrees at the Institute.

Being well aware of the international nature of science, the Institute has devoted considerable efforts to international co-operation. Today it co-operates with many leading scientific research institutions world-wide. Just to mention, in 2006 the Institute signed an agreement of collaboration with Joanneum Research, the leading Austrian technological institute. In 2007, an agreement of collaboration was also signed with the Korean Basic Science Institute.