

MSc in Protein Science and Biotechnology

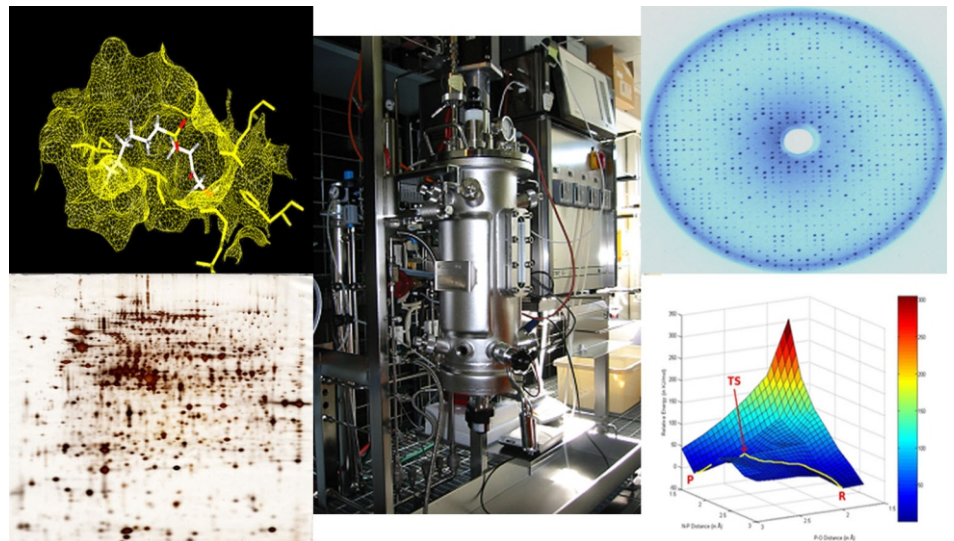
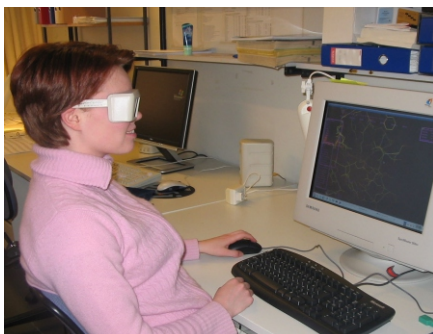
We are seeking fifteen outstanding students for entry in September 2012 onto our 2-year MSc in Protein Science and Biotechnology

The study of protein structure and function has always been an essential part of biochemistry. It is the primary basis of the biotechnology industry and of fundamental importance to the pharmaceutical industry. In the post genomic era there is an urgent need in academia and industry for researchers and experts in protein science and biotechnology.

This new degree programme builds on the strength of the Department of Biochemistry at the University of Oulu to offer a world class MSc degree programme. The department has repeatedly been awarded a national excellence in teaching award, it has dynamic, well funded research and excellent state of the art infrastructure. The strength in protein science in the department has been systematically developed by the recruitment of experts from Finland and abroad. The working language of the department is English and all courses are taught in English.

Contents of the Programme

The degree programme includes, but is not limited to, studies in molecular biology, protein chemistry, biocomputing, bioinformatics, protein folding, systems



biology, structural biology, mini-projects and the final 6 month research project. All projects are carried out in active, well-funded research groups.

The degree programme has been planned around the early integration of MSc students into research groups and the use by individual students of the most modern equipment. Before the end of the first term students will have individual hands on experience of electrospray mass spectrometry, sub-second kinetics, microcalorimetry, surface plasmon resonance and recombinant protein production to name but a few. The degree programme also offers flexibility to allow students to specialise in aspects of protein science and biotechnology which they believe will most benefit their future career.

Requirements

Applicants must have, or be about to obtain, a BSc in biochemistry, or a closely

related subject, with excellent grades and a good working knowledge of English. Selected applicants will be invited for a telephone interview (in English) based on BSc level protein science. For further details and example questions from past BSc level examinations go to <http://www.biochem.oulu.fi/studies/nordprot>.

Applications should be submitted by 31st January 2012 via forms available at <http://www.degree.oulu.fi/admission>.

