

Master in Bioinformatics

Basic Information

Keywords: Systems Biology | Profile and Network Analysis | Experimental Systems Biology | Bioinformatics in Nutrition Science

Program director: Prof. Dr. Joachim Selbig

Program coordinator: Dr. Detlef Groth (dgroth@uni-potsdam.de)

Program weblink: <http://bioinformatics.uni-potsdam.de>

Detailed program information

Program summary description: The program spans four semesters (120 credit points). The first two semesters include courses at the undergraduate level that allow students with different scientific backgrounds to achieve a common knowledge base (in total 18 credit points). Semesters 1 to 3 offer classical bioinformatics courses as well as specific systems biology related courses. Further available modules focus on bioinformatics in nutrition science and experimental systems biology. Semester 4 is reserved to the Master project (30 credit points). The program started in October 2008. The strong interdisciplinary curriculum is both a challenge and a chance because it makes high demands and offers a unique training for students with interest in both biology and bioinformatics.

Systems medicine and/or translational highlights: The program contributes to bridging basic and bioinformatics research by combining theoretical and experimental systems biology as well as considering bioinformatics in nutrition science.

Primary funding source: University of Potsdam

Program start date: 2008

Number of students recruited per year: 20

Duration of program: 4 semesters