

DOCTORAL PROGRAM IN BIOLOGICAL SCIENCES SPECIALIZATION IN BIOPHYSICS AND COMPUTATIONAL BIOLOGY

FACULTY OF SCIENCES
UNIVERSIDAD DE VALPARAÍSO

AIM

The Graduate Program in Biophysics and Computational biology aims to train scientists in the study of biological processes from a physics-mathematical perspective, thus promoting the interdisciplinary nature of this type of research from the molecular level to the mathematical modeling of biological systems. Those who earn a Ph.D. from this Program will have acquired the knowledge and the ability to significantly and actively contribute (theoretically and empirically) to the development of research programs in this area. They will also be able to lead research groups and teach high quality courses in mathematical modeling of biological phenomena related to biophysics and computational biology, and to the physical foundations of the functioning, structure, and interactions of biomacromolecules.

This program started 2015 and is accredited until 2018.

PROGRAM OF STUDY

The Program is structured on the basis of transferrable credits system (TCS), which considers core and elective courses, as well as research rotations and a thesis project. Based on each student's academic training and interests, as well as the requirements for the doctoral thesis project, the academic committee designs a personalized study plan for the first three semesters of the Program. In this way, students will have the chance to learn specific topics that were not covered in their undergraduate training or that are highly relevant for their thesis research.

FINANCIAL AID AND AGREEMENTS

Every student accepted into the doctoral program will receive funding for 4 years through one of the available scholarship programs: From CONICYT, from the Universidad de Valparaíso, from our Millennium Institute, or from other grants held by our researchers. Providing this funding is essential to ensure full time commitment to the program.

ADDITIONAL INFORMATION

TERMS

Semester-based

DURATION

4-5years

ADDRESS

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WEBSITE

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