



# BIOS Course

## Digital Skills on Computational Biology for Health Professionals

Start: 03. February 2020

web-based - free of charge - funded by the European Union

### What's waiting for you?

Expand your competences in the field of bioinformatics and benefit from a virtual learning community consisting of physicians, bioinformaticians, scientists, lecturers and political decision makers.

The BioS course provides basic knowledge about methods and tools of bioinformatics as well as computer-aided statistics with a focus on the interpretation of biomedical data. By participating in the BioS course, you and your staff will learn how to use genetic information services for your daily work with patients.

The course has a modular structure:

Module 1: Introduction to Bioinformatics

Module 2: Computer-based statistics for physicians and health professionals

Module 3: Commercial personalised genomic services in patient care

Module 4: Quality improvement in health care

Module 1 provides basic knowledge on how molecular data combine with modern biomedicine to understand the background of genomic/personalized medicine.

Module 2 provides a practical introduction to the analysis of biological and biomedical big data to develop a critical understanding of the reliability of analysis results.

In module 3, participants learn to interpret results from commercial personalized genomic services. This module enables the integration of these services into patient care.

The Module Program 4 teaches participants how to build efficient and dedicated health teams and effective clinical relationships, and how to implement strategies and tools to support patient-centered care.

### Registration

To participate in the course, please register under: <https://mooc.bios-project.eu/>

More information: [www.bios-project.eu](http://www.bios-project.eu)

Contact: [laura.dorn@stw.de](mailto:laura.dorn@stw.de)

