

Lecture

[VSt-Nr. 71799](#)

Systems Biology of Immunology

Prof. Dr. Marc Thilo Figge SS 2020 Lectures will take place online.

Description

Introduction

This interdisciplinary lecture is divided into two parts. The first part consists of several lectures starting with a summary of important aspects of systems biology in general and continuing with a profound introduction to the immune system. In the second part, various mathematical modeling approaches are discussed in some detail and applied to selected topics of immunology. Participants do not have to be an expert in mathematical modeling and do not have to be an expert in the immune system. The idea is that, whatever is needed from immunology and from mathematics, this will be presented in the lecture. Interested students will have a background in biology, bioinformatics, physics, or related disciplines and are generally interested in the immune system and in the mathematical modeling of this complex system.

Startup and Questions

The first meeting will take place on **May 4, 2020 at 4 pm via video conference**. In this meeting the forthcoming meetings (time/place) will be organized together with the participating students.

Please register for participation by sending an email to Prof. Dr. Marc Thilo Figge (thilo.figge@hki-jena.de) **before May 1, 2020**. Once your registration email containing your name, student number, direction of master study and number of semester have been obtained, you will be informed about the login details for the video conference.

Staff

[Prof. Dr. Marc Thilo Figge](#) [Dr. Carl-Magnus Svensson](#) [Dr. Sandra Timme](#)

Courses

Master of Science Bioinformatik