



# Tumors and the immune system 2024

## Introduction to the immune system

### Instructors

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**Venue** Irchel Campus, Winterthurerstrasse 190, Y44-H-05

### Concept

After two introductory lectures on the immune system, individual figures from 3 papers listed below will be assigned to the students (1-3 students per figure dependent on the number of students) ad hoc. In addition, students will be assigned to introduce the paper.

We expect that you at least read the entire paper from which the figure assigned to you was taken, but we strongly encourage reading the other papers as well.

The figures will be made available by the tutors for presentation by beamer, for logistic and time reasons, we won't connect individual computers for presentation.

### Program

9.00 – 10.00	Christian Stockmann: Introduction to innate immunity <i>Antigen presentation, innate lymphocytes, sensors</i>
10.00 – 11.00	Maries van den Broek: Introduction to adaptive immunity <i>Lymphoid organs, B cells, T cells</i>
11.00 – 11.15	Break
11.15 – 11.30	Instructions for afternoon program, group building, distribution of material
11.30 – 14.00	Read paper and prepare figure for presentation, lunch
14.00 – 14.45	Paper 1
14.45 – 14.50	Break
14.50 – 15.35	Paper 2
15.35 – 15.40	Break
15.40 – 16.25	Paper 3

Paper 1: <https://doi.org/10.1073/pnas.75.10.5132>

Paper 2: [10.1126/science.1136080](https://doi.org/10.1126/science.1136080)

Paper 3: <https://www.science.org/doi/10.1126/science.1164206>

### Learning outcomes:

- Understanding the basic principles of innate and adaptive immunity.
- Reading and understanding 3 seminal papers in this field.