

Module 23 – Molecular Virology for Immunology MSc Students (July 12 - 30, 2021)

Venue: Lecture hall (ground floor), Med. Mikrobiologie & Hygiene, Hermann-Herder-Str. 11

May 19 (16:00-17:00): mandatory registration & Laboratory safety instructions (Schwemmler & Kochs)

Lectures, daily from 08:15 – 09:30

Week 1

- July 12: **Introduction, dual use problematic** (Referee: Georg Kochs)
July 13: **Poxviruses** (Referee: Georg Kochs)
July 14: **HSV, CMV and VZV** (Referee: Anne Halenius)
July 15: **How viruses escape the adaptive immune response** (Referee: Anne Halenius)
July 16: **Papilloma viruses** (Referee: Georg Kochs)

Week 2

- July 19: **Hepatitis B and D viruses** (Referee: Philipp Kolb)
July 20: **Negative Strand RNA viruses-focus on Influenza** (Referee: Kevin Ciminski)
July 21: **Plus Strand RNA viruses** (Referee: Martin Schwemmler)
July 22: **Plus Strand – focus on SARS-CoV-2** (Referee: Peter Reuther)
July 23: **New therapeutic options for chronic hepatitis C** (Referee: Georg Kochs)

Week 3

- July 26: **Viruses and tumors** (Referee: Zsolt Ruzsics)
July 27: **Viral vectors** (Referee: Zsolt Ruzsics)
July 28: **Virus recognition by innate immune sensors** (Referee: Laura Graf)
July 29: **Recommended antiviral vaccines in Germany** (Referee: Philipp Kolb)
July 30 (all day): **Students reporting on running research projects**

A) Registration procedure:

- Registered students will be contacted by their supervisors until **28.05.21** and the supervisors send a paper-pdf for the group seminar presentation.
- Students have to confirm the receipt of the paper until **04.06.21**.
- After studying the paper, students contact their supervisor personally until **18.06.21**
- The Wahlmodul starts on Monday, **12.07.21** at 8:15 in the lecture hall, ground floor.

B) Practical lab work supervised by Postdocs or PhD students of labs

- Work will last all day, except for the indicated theoretical introduction from 8:15 to 9:30.
- Students will participate in seminar activities of individual groups
- Short presentations by students on **July 30** will replace written protocol

C) Seminar presentation of scientific paper

- Students prepare a scientific article for oral presentation in weekly group seminar (Help will be provided by supervising Postdoc or PhD student)