

Module 23 – Molecular Virology for Immunology MSc Students (July 15 - Aug. 02, 2019)

Venue: Seminarraum II, Med. Mikrobiologie & Hygiene, Hermann-Herder-Str. 11

May 08 (16:00-17:00): mandatory registration & Laboratory safety instructions (Schwemmle & Kochs)

Lectures, daily from 08:15 – 09:30

Week 1

- July 15 (9:00) **Farewell symposium** Stäheli/Pircher - Innate and adaptive antiviral Immunity
July 16: **Introduction, dual use problematic** (Lecturer: Georg Kochs)
July 17: **Poxviruses** (Lecturer: Georg Kochs)
July 18: **CMV and VZV** (Lecturer: Zsolt Ruzsics)
July 19: **How viruses escape the adaptive immune response** (Lecturer: Anne Halenius)

Week 2

- July 22: **Papilloma viruses** (Lecturer: Georg Kochs)
July 23: **Hepatitis B and D viruses** (Lecturer: Michael Nassal)
July 24: **Prions** (Lecturer: Michael Nassal)
July 25: **Viruses and tumors** (Lecturer: Zsolt Ruzsics)
July 26: **Negative Strand RNA viruses** (Lecturer: Peter Stäheli)

Week 3

- July 29: **New therapeutic options for chronic hepatitis C** (Lecturer: Georg Kochs)
July 30: **Virus recognition by innate immune sensors** (Lecturer: Martin Schwemmle)
July 31: **Recommended antiviral vaccines in Germany** (Lecturer: Peter Stäheli)
Aug 01: **Viral vectors** (Lecturer: Zsolt Ruzsics)
Aug. 02 (all day): **Students reporting on running research projects**

A) Registration procedure:

- Registered students will be contacted by their supervisors until 10.05.19 and the supervisors will send a paper-pdf for the group seminar presentation.
- Students have to confirm the receipt of the paper until 17.05.19.
- After studying the paper, students contact their supervisor personally until 07.06.19
- The Wahlmodul starts on Monday, 15.07.19 at 9:00 in the lecture hall, ground floor of the Institute.

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

- Work will last all day, except for the indicated lecture times and for July 15.
- Students will participate in seminar activities of individual groups.
- Short presentations by students on Aug. 02 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)