

Crash Course

Basics in Molecular and Clinical Immunology

Location: Hospital of the Goethe University, Building 20, Seminar Room 20-8, 2nd Floor, Theodor-Stern-Kai 7, 60590 Frankfurt/(Main

December 02nd – December 03rd 2017

The Crash Course will be held in English.

Some basic nutrition is provided (coffee, tea, water).

Organized by Heinfried H. Radeke and Zoe Waibler

Saturday, December 02nd

Start: 10:00 (s.t.)

I. Innate Immunity

10:00 – 10:30 Heinfried Radeke: Introduction to the immune system and basic defense mechanisms

10:30 – 11:00 Zoe Waibler: Dendritic cells

11:00 – 11:45 Martina Anzaghe: Viral Infection, type I interferons at the transition from innate to adaptive immunity

11:45 – 12:00 short break

II. Adaptive Immunity

12:00 – 12:45 Christoph Königs: B cells, the major players in humoral immunity

12:45 - 13:30 Lunch Break

13:30 – 14:15 Lilija Miller: T lymphocytes: Development of diversity and tolerance and keeping the norm

14:15 – 14:30 short break

III. Hyperactive Immune System (1): Tolerance and Allergy

14:30 – 15:30 Stefan Schülke: Allergy

15:30 – 16:00 Questionnaire /Test / Discussion

Sunday December 03rd

Start: 10:00 (s.t.)

IV. Hyperactive Immune System (2): Chronic Inflammation, Autoimmunity, and Transplantation

10:00 – 10:45 Heinfried Radeke: Mechanisms of chronicity, organ specificity, and the chances of biopharmaceuticals

V. Hypoactive Immune System: Immune Deficiencies

10:45 – 11:30 Shahrzad Bakhtiar: Hereditary immune deficiencies

11:30 – 11:45 short break

11:45 – 12:30 Ursula Dietrich: Acquired immune deficiencies

12:30 – 13:15 Lunch break

VI. Tumour, Immune Therapy and NK cells, and Stem Cell Transplantation

13:15 – 14:15 Sara Tognarelli: Immune Therapy with NK cells

14:15 – 15:15 Andreas Weigert: Tumor immunotherapy

15:15 – 16:00 Questionnaire / Test / Discussion