

Tutorial III: *autumn semester 2015/2016*

| | | | |
|---------------------|-------------------|----------------------|--|
| Group No. 30 | 11/2/2015 | 13:30 - 15:10 | Campus, Department of Physiology, room 207 |
| Group No. 32 | 11/2/2015 | 16:00 - 17:40 | Campus, Department of Physiology, room 207 |
| Group No. 33 | 10/29/2015 | 14:00 - 15:40 | Campus, Department of Physiology, library |
| Group No. 31 | 11/4/2015 | 12:30 - 14:10 | Campus, Department of Physiology, room 207 |
| Group No. 37 | 10/27/2015 | 16:00 - 17:40 | Campus, Department of Physiology, library |
| Group No. 34 | 11/11/2015 | 13:30 - 15:10 | Campus, Department of Physiology, room 207 |
| Group No. 35 | 11/9/2015 | 13:30 - 15:10 | Campus, Department of Physiology, room 207 |
| Group No. 36 | 11/9/2015 | 16:00 - 17:40 | Campus, Department of Physiology, room 207 |

The tutorial takes place **in the Department of Physiology, building A 20, Campus, Kamenice 5, Brno-Bohunice**

The tutorial will be held by dr. Eva Závodná, Ph.D.

Program:

Immune mechanisms

White blood cells count and origin of white cells
Organs of the immune system - structure and function
Major histocompatibility complex (MHC - HLA)
Barriers and their importance for immunology (e.g. Skin, respiratory system, GIT etc.)
Classical complement pathway
Alternative complement pathway
Immunoglobulins (structure, classes, function)
Cytokines (function and overview)
T-cell (cell populations, activation, function)
B-cell (cell populations, activation, function)
NK-cells
Granulocytes
Monocytes and macrophages + phagocytosis
Antigen presenting cells (cells and life cycle)
Vaccination

All students are obliged to read the theory prior to the tutorial. Students select one topic, in practicals before tutorial, for shorter presentation.

The tutorials are obligatory, the presence is the condition for obtaining the credit.

All students are allowed to substitute only one tutorial during one semester -

those who will have more than one absence will not obtain the credit from tutorials.

doc. PharmDr. Petr Babula, Ph.D.

Head of the Department of Physiology