

Tutorial II: autumn semester 2016/2017

Group No. 30	17.10.2016	13:30 - 15:10	Campus, Department of Physiology, room 207
Group No. 32	17.10.2016	16:00 - 17:40	Campus, Department of Physiology, room 207
Group No. 33	18.10.2016	17:00 - 18:40	Campus, Department of Physiology, library
Group No. 31	19.10.2016	13:30 - 15:10	Campus, Department of Physiology, room 207
Group No. 35	24.10.2016	13:30 - 15:10	Campus, Department of Physiology, room 207
Group No. 36	24.10.2016	16:00 - 17:40	Campus, Department of Physiology, room 207
Group No. 37	25.10.2016	17:00 - 18:40	Campus, Department of Physiology, library
Group No. 34	26.10.2016	13:30 - 15:10	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 doc. M. Bébarová, MD, Ph.D. and M. Al-Kubati, MD, Ph.D.

Program:

Nerve as an excitable tissue

Neuron – structure, axonal transport, types

Resting membrane potential, action potential, electrotonic potentials and local response

Conduction

Nerve fibers – types and function

Synapses

Structure and function

Excitatory and inhibitory postsynaptic potentials, temporal and spatial summation

Types of synapses, neurotransmitters

Neuromuscular junction

junctional potentials

end-plate current

All students are obliged to read the theory prior to the tutorial (Barrett: Ganong´s Review of Medical Physiology or Boron W., Boulpaep E.: Medical Physiology.)

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

All students are allowed to substitute only two tutorials during one semester - those who will have more than two absences will not obtain the credit from tutorials.

doc. PharmDr. Petr Babula, Ph.D.
Head of the Department of Physiology