Program of the lecture
"Biochemical basis of psychiatric and neurologic diseases"
LV 300267
Univ. Prof. Dr. Werner Sieghart

This one hour lecture (1-stg) will be held as a block of 7 lectures on selected Thursdays, 17.00-19.00, in the large seminar room (1st floor) at the Center for Brain Research, Spitalgasse 4, 1090 Vienna, during the summer semester only. The exact days when the lecture will be held as well as their tentative content can be found below. If you provide your e-mail address you will be notified on any changes in the lecture schedule.

1. Lecture: Central and peripheral nervous system, neurons, axonal transport, targeting, synaptogenesis, glia cells, nervous system tumors, demyelinating diseases. April 23, 2009

2. Lecture: Resting potential, action potential, voltage clamp, patch clamp, structure and function of ion channels, ion channel diseases, synaptic transmission, epsp, ipsp, receptors, signal transduction. April 30, 2009

3. Lecture: electrical synapse, transmitters, acetylcholine system, myasthenia gravis, noradrenalin system, dopamin system, plasticity of the nervous system, May 7, 2009

4. Lecture: Parkinson´s disease, Serotonin system, depression, May 14, 2009


6. Lecture: Glutamate system, Huntington´s disease, learning, memory, Alzheimer´s disease, June 18, 2009

7. Lecture: peptide systems, pain, addiction, emotion, schizophrenia June 25, 2009

For information: call 4277-62950 (Prof. Sieghart), or e-mail; Werner.Sieghart@meduniwien.ac.at

Examination: oral examination any time after the lecture series is completed. Please contact Prof. Sieghart for appointment.