

From Membranes to Brains

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9-11 h, KS 00.023, Biologie II/III

Topics		
Introduction	AA	31 Jan 2012
Signaling in the nervous system	AA	1 Feb 2012
Ion channels and signaling, current and membrane potential, action potential generation	AA	2 Feb 2012
Action potential propagation, synapses	AA	3 Feb 2012
Networks in the brain	AA	6 Feb 2012
Synaptic plasticity – Learning and memory	FM	7 Feb 2012
Synaptic plasticity – Synaptogenesis and molecular mechanisms	FM	8 Feb 2012
Synaptic plasticity – Rules of plasticity and learning	FM	9 Feb 2012
Genetic programming of inborn behavior	KF	10 Feb 2012
Neural circuits of learning in <i>Drosophila</i>	KF	13 Feb 2012
Genetic dissection of aggression in invertebrates	KF	14 Feb 2012
Neural Coding	AA	15 Feb 2012
Cortical dynamics – Variability and precision	AA	16 Feb 2012
Neural coding and decoding – Towards Brain-Machine Interfaces	AA	17 Feb 2012