



Course Program for the Winter Semester 2013/14

Lectures

Title	Faculty	Time and Place	ECTS	Core/ Advanced
From Membranes to Brains	Aertsen Metzger Haas	January x – February x, 2014 Mon-Fri, 9-11 Biology II/III, KS 00.023	2	Core
Systems' Physiology	Aertsen Egert Ball Boucsein Cardoso Kumar	November 4 – 8 and December 2 – 6, 2013 Mon-Fri, 9-11 Seminar room "Casino", BCF	2	Core
Models of Neurons and Networks (interactive lecture)	Rotter	November 11 – 29, 2013 Mon-Fri, 10-12 and 14-16 Lecture hall, BCF	7	Core
Biology for Engineers	Egert	October 22, 2013 – February 2, 2014 Tue, 10-12 Georges-Köhler-Allee 78 Seminar room 00 014	2	Core
Machine learning in life sciences	Backofen Costa	October 22, 2013 – February 11, 2014 Tue, 10-12 Georges-Köhler-Allee 106 Seminar room 00 007	2	Advanced
Bioinformatics II	Backofen Mann Miladi	October 23, 2013 – February 12, 2014 Wed, 14-16 Georges-Köhler-Allee 106 Seminar room 00 007	2	Advanced

Courses

Title	Faculty	Time and Place	ECTS	Core/ Advanced
Neurophysiology I: Technical Introduction	Boucsein Egert	October 14 – 31, 2013 Mon-Fri, 9-17 Seminar room "Casino", BCF	7	Core
Neurophysiology II: Physiology of Living Brain Slices	Boucsein Egert	November 11 – 29, 2013 Mon-Fri, 9-17 Labs of C. Boucsein and U. Egert	7	Core
Scientific Programming in Python	Morrison	October 14 – 31, 2013 Mon-Fri, 10-17 Computerlab, BCF	7	Core

Simulation of Biological Neuronal Networks	Morrison	December 9 – 20, 2013 Mon-Fri, 10-17 Computerlab, BCF	5	Core
Analysis and Models in Neurophysiology	Aertsen Egert Grün Rotter	October 6 – 11, 2013 Sun-Fri, 9-18 Lecture hall and Computerlab, BCF	2	Advanced
Machine learning in life sciences	Backofen Kundu Wright	October 24, 2013 – February 13, 2014 Thu, 14-16 Georges-Köhler-Allee 106 Seminar room 00 007	2	Advanced
Bioinformatics II	Backofen Miladi Videm	October 22, 2013 – February 11, 2014 Tue, 14-16 Georges-Köhler-Allee 106 Seminar room 00 007	2	Advanced

Seminars

Title	Faculty	Time and Place	ECTS	Core/ Advanced
PhD and Postdoc Seminar	BCF PhD students and Postdocs	Tue, 17:15 Lecture hall, BCF	n/a	Mandatory for all BCF PhD students and Postdocs
Bernstein Seminar	Invited external speakers			
Journal clubs	All students, Postdocs and PIs	Different labs	n/a	
Yearly retreat (hut seminar)	Students, Postdocs and PIs	September 11 – 12, 2013, Uni-Haus, Schauinsland	n/a	
Language and Brain	Aertsen Dittmann Jacob Raible Sippel	January 23 – 24, 2014 Uni-Haus, Schauinsland Preparatory meeting: Tue, October 29, 2013, 15:00, Institute of Biology III, room 00.043	2	Advanced
Doing by Thinking - Invasive and Non-Invasive Methods to Decode Brain Signals in Realtime	Burgard Ball Tangermann	Block seminar (two full days) Preparatory meeting: Wed, October 30, 2013, 16:00, Georges-Köhler-Allee 78 Seminar room 00 014	2	Advanced
Bioinformatik	Backofen Kundu	October 24, 2013 – February 13, 2014 Thu, 11-13 Georges-Köhler-Allee 106 Seminar room 04 007	2	Advanced