

**OVERVIEW  
LECTURES IN NEUROBIOLOGY**

WINTER SEMESTER	SUMMER SEMESTER	HOURS / WEEK
<b>Lecture Neurobiology I:</b> Membranes, Neurons, Networks and Brain	<b>Lecture Neurobiology II:</b> Systems Neurophysiology	2
<b>Lecture Neurobiology III:</b> Measurement and Model	<b>Lecture Neurobiology IV:</b> Systems and Signals	2
<b>Exercises Neurobiology III:</b> Measurement and Model	<b>Exercises Neurobiology IV:</b> Systems and Signals	2
<b>Lecture Computational Neuroscience I:</b> Models of Neurons and Networks	<b>Lecture Computational Neuroscience II:</b> Data Analysis	2
<b>Exercises Computational Neuroscience I:</b> Models of Neurons and Networks	<b>Exercises Computational Neuroscience II:</b> Data Analysis	2
<b>Practical Course</b> Introduction to Neurobiology		5
<b>Compact Course Measuring Techniques:</b> Introduction to the use of typical electronic laboratory equipment	<b>Slice Course</b> Electrophysiology in living brain slices	2 weeks fulltime on appointment
<b>Compact Course Scientific Programming</b> An Introduction to Python		2 weeks fulltime on appointment
<b>EACH SEMESTER</b>		
<b>Seminar Brain and Cognition</b> Selected topics related to Neurobiology II	<b>Interdisciplinary Seminar</b> Language and the Brain Language Ability, Neurogenetical Basis	Weekend on appointment
<b>Laboratory Colloquium</b> Progress in Brain Research	<b>Journal Club</b> Current Topics of Theoretical and Experimental Brain Research	2