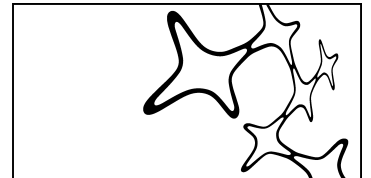




LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN

LMU excellent
Graduate School of Systemic Neurosciences



Graduate School of Systemic Neurosciences (GSN-LMU) Integrated Master and PhD Training in Neurosciences

Why Systemic Neurosciences?

Significant progress has been made in the field of cellular and molecular neuroscience. Modern in vivo imaging techniques have revolutionized non-invasive observation of brain activity even in humans. Today's challenge lies in understanding the brain as a complex and functioning system.

The following four typical research fields will serve as interdisciplinary links within the systemic neurosciences:

- single cells to complex systems
- system analysis to mathematical modeling
- perception and cognition to mind and neurophilosophy
- biology to technical solutions

Am I qualified?

If you have a genuine interest in neurosciences and seek for interdisciplinary training in order to understand the brain as a whole, the GSN-LMU will offer you a challenging academic training.

You must hold a BSc in biology, medical sciences, physics, engineering, bioinformatics, computer sciences, neurophilosophy or related topics. The average grade has to be significantly above average. Especially promising and qualified students holding a Bachelor's degree may be recommended for the PhD fast-track, linking the Master and the PhD program.

Why come to Munich to study at the Ludwig-Maximilians-Universität?

Ludwig-Maximilians-Universität (LMU) in Munich enjoys a centuries-old tradition and is today one of the internationally most renowned and strongest research universities in Germany. People come to Munich seeking its unique academic diversity. The GSN-LMU is centred in the vividly growing life science campus Grosshadern - Martinsried, which offers a rich scientific environment.

The integrated teaching concept

The Graduate Program of Systemic Neurosciences, providing MSc and PhD training offers:

- A comprehensive and most timely scientific training regarding topics and methods

- The broad scope of the Munich neuroscience research spectrum for projects and theses (MSc, PhD)
- ECTS based grading, fully compatible with the Bologna System
- Personal career planning and intensive individual coaching regarding scientific and related careers
- An international network for future job ambitions in academia and RTD projects for graduates, PhD students and post-docs
- Transition for selected students from MSc to PhD program, after one year

MASTER IN NEUROSCIENCES								
Semester	1.	MSc basic training	Systems neurobiology	Sensory physiology	Methods in systems neurobiology			Research project I
	2.				Molecular/cellular neurobiology	Mathematical skills	Neuro-philosophy	Research project II
	3.	MSc advanced training	Computational neuroscience	Elective courses			Lab rotation	Research project III
	4.			Special skills	Master thesis			
PHD PROGRAM								
Semester	1.	PhD basic training	Fundamentals and background in systemic neurosciences				Individual research training	
	2.		Advanced courses in systemic neurosciences				PhD project	
	3.	PhD advanced training	Specific training			PhD project		
	4.		Individual training		PhD project			
	5.		Summer School	PhD project				
	6.		PhD project					

Application

For our online application please visit
www.mcn.lmu.de

Programs begin October 1st
 Application period is always from December to February 1st

further Information

Graduate School of Systemic Neurosciences
 Dr. rer. nat. Alexandra Stein
 Program Coordinator

LMU Munich Biocenter
Großhadernerstr. 2
82152 Martinsried

master-neurosci@lmu.de
GSN@lmu.de