



Jena School for Microbial Communication



The „Jena School for Microbial Communication (JSMC)“ at the Friedrich Schiller University of Jena is a Excellence Graduate School of the German Research Foundation (DFG) and a dynamic network of scientists from a broad variety of natural & life sciences institutes. The JSMC was first awarded funding through the German Excellence Initiative in 2007. In June 2012 the Excellence Status of the JSMC was confirmed and continued funding was granted. Today, JSMC hosts over 135 doctoral researchers and 70 principal investigators. The structured and interdisciplinary training program is based on top-level fundamental research and brings together a variety of experts with the aim of forming a comprehensive view of microbial communication. Institutes at five faculties of the Friedrich Schiller University Jena, six non-university research institutes as well as several partner companies are partnered through the JSMC. Furthermore, three Collaborative Research Centers have emerged from the interdisciplinary interactions within in the JSMC and these are integrated into its cutting-edge research and training program.

Scientific key words

Microbial Communication, Microbiology, Life Sciences, Natural Product Research, Infection Biology, proteomics, transcriptomics, genomics, metabolomics, Analytical Chemistry, Chromatography, microbiomes, Sepsis, pathogenesis, quorum sensing

Participating Faculties of FSU Jena

Biological Sciences, Chemistry & Earth Sciences, Medicine,

Physics & Astronomy, Mathematics and Computer Science

Cooperation partners

Leibniz Institute for Natural Product Research and Infection Biology e.V. - Hans Knöll Institute, Jena; Max Planck Institute for Chemical Ecology, Jena; Leibniz Institute of Photonic Technology, Jena; Fraunhofer Institute for Applied Optics and Precision Engineering, Jena; Helmholtz Centre for Environmental Research, Leipzig; Max Planck Institute for Biogeochemistry, Jena

Preferred language: English

Current number of doctoral candidates: over 135

How can I become a doctoral candidate? What is the method of selection?

JSMC Recruitment Calls are launched once or twice per year with up to 15 research projects being offered per call.

Are there fixed dates to apply?

No, the exact date of the launch of a JSMC Recruitment Call is decided on a case-by-case basis every year.

Are there possibilities to be funded in this programme?

Doctoral researchers receive financing for a PhD position (TV-LE13 65%).

Interesting for graduates of the following subjects:

Natural and Life Sciences, Microbiology, Bioinformatics, Computational Sciences, Bio-Geoscience, Geology, Physics, Mathematics, Chemistry, Chemical Ecology, Biochemistry, Earth Sciences, Infection Biology, Material Sciences, Natural Product Research, Immunology, Medicine

Prospective degree

Dr. rer nat. / PhD

Contact

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