



Julia von Maltzahn

We are proud to integrate all PhD Students into our Graduate School on Aging - since educating promising young scientists is the way to guarantee future excellence in aging research.

Dr. Julia von Maltzahn, Dean of LGSA

Dean

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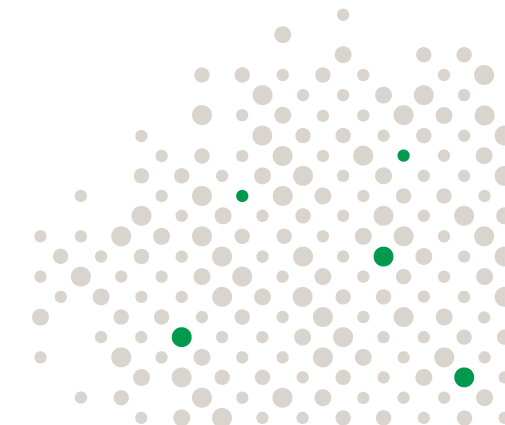
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Leibniz Graduate School on Aging and Age-Related Diseases (LGSA)



LGSA at a Glance

The Leibniz Graduate School on Aging and Age-Related Diseases (LGSA) is a joint activity of the Leibniz Institute on Aging (FLI) and the Friedrich Schiller University (FSU) in Jena.

Our Graduate School provides **exciting training and research opportunities** for graduates who wish to obtain a PhD in the fields of Molecular Biology, Molecular Genetics, (Stem) Cell Biology, Developmental Biology, Neurobiology, or Systems Biology.

Training and research within the PhD program is interdisciplinary with the endeavor to understand the multifaceted mechanisms that cause the development of age-related diseases and those that cause senescence and aging.

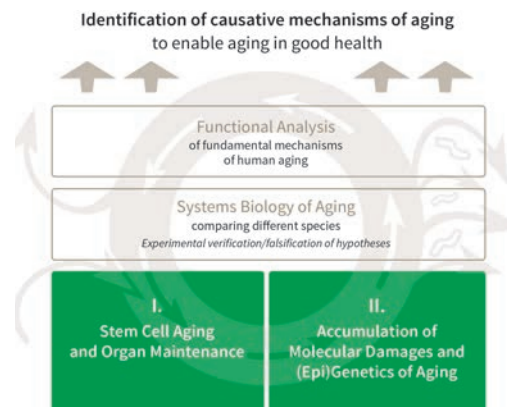
We provide excellent research conditions complemented by lectures, practical courses and training in transferable skills. All Graduate Programs and PhD-students at the FLI will be integrated into the LGSA, following the same procedures and rules.

The FLI has a very **international working atmosphere** with staff from about 30 different countries. The official working language is English, this also applies to all LGSA courses and seminars.

Our Focus of Research

Aging is a complex stochastic process based on genetic composition as well as environmental influences. The process is still not well understood. The LGSA will strengthen research on the mechanisms of decisive processes, in particular pathological processes which lead to consequences for general health and **healthy aging**.

Our biomedical research projects are embedded in the research concept of the **Leibniz Institute on Aging – Fritz Lipmann Institute (FLI)** with its two Program Areas:



Research foci at FLI

Curriculum

LGSA students join one of the **research groups within the FLI or FSU** in Jena. There, they will carry out research for their doctoral thesis. The experimental work is supervised by a thesis committee consisting of the project leader and two group leaders or senior postdocs outside the project leader's group or the FLI. The practical work is complemented with lecture series, seminars, journal clubs and practical courses as well as training in presentation skills and language classes.

The **goal** of a successful PhD study is to publish at least one first-author paper in an international peer-reviewed journal. At the end of the study, a written thesis, an exam and a successful thesis defence qualify for a PhD or Dr. rer. nat. degree at FSU. Students have also the option to receive their doctoral degree from another university.

Application

We offer PhD positions to qualified students without regard to age, nationality, race, gender, marital status, disabilities, etc.

For the **3-step application**, the **LGSA guidelines** should be carefully followed.

lgsa.leibniz-fli.de/application/application-guideline/



Interviews for the selection of PhD candidates are scheduled twice per year, in **Spring** and **Autumn**. At least three members of the interviewing committee have to be present at these meetings. As an exception, additional interview dates may be scheduled.

Requirements: Eligible are students that have obtained, or that will obtain within the next six months, an academic degree comparable to the Master's degree in life sciences, chemistry, or other related fields.

Jena

Innovation | Science | Culture | Nature



What you should know...

30% of inhabitants are students • ZEISS location • 19 research institutions incl. two universities • wealth of cultural offers • amazing landscape and sports activities • Goethe & Schiller



Junior scientists exchange regularly, e.g. at the scientific FLI Retreat.