

Focus of Research

The overall aim of FLI is:

To understand the processes of ageing and age-related illnesses in humans in order to disrupt the fatal link between age and diseases.

PROGRAMME SECTIONS

Cellular and organismic senescence

Cell cultures and several animal models serve to study the molecular mechanisms of ageing processes.

Age-related diseases

Our research groups study, for instance, the mechanisms involved in the development of neurodegenerative diseases, of kidney failure and of cancer.

RESEARCH GROUPS

- Cornelis Calkhoven (Control of RNA translation)
- Alessandro Celerino (Lifespan control in vertebrates)
- Stephan Diekmann (Structures in the nucleus)
- Christoph Englert (Developmental biology of the kidney)
- Matthias Görlach (Structural analyses of molecules involved in diseases)
- Karl Otto Greulich (Genomic instability)
- Frank Große (Genomic instability, Werner Syndrome)
- Peter Herrlich (Molecular mechanisms of cancerogenesis and metastasis)
- Heike Heuer (Thyroid hormones, brain development and neuroregeneration)
- Christoph Kaether (Axonal transport and signal transduction in Alzheimer's Disease)
- Helen Morrison (Cancer cell biology, and signalling networks in neuronal plasticity)
- Matthias Platzer (Genome variations in age-associated diseases, inflammatory diseases, cancer and adipositas)
- Aspasia Ploubidou (Pathogenesis of virus-induced human cancer)
- Jürgen Sühnel (Bioinformatics, and computational genomics)
- Manuel E. Than (Protein crystallography, neurodegeneration and proteoin processing)
- Jan Peter Tuckermann (Tissue specific action of glucocorticoid hormones, osteoporosis)
- Zhao-Qi Wang (Genomic instability, mouse genetics)
- Falk Weih (Signal transduction in the immune system)



COOPERATIONS

The research groups at FLI are interconnected by their research topics and experimental methods. The basic feature of FLI's research is the multidisciplinary approach, which is also reflected in numerous national and international cooperations with other research institutes.

FLI maintains close ties to the Friedrich-Schiller-University and the »Verbund biomedizinische Forschung« in Jena. The Friedrich-Schiller-University also participates in the Leibniz Graduate School of Ageing and Age-Related Diseases (LGSA) and the newly established JenAge network, a research project on systems biology of ageing. FLI's scientists are also involved in teaching at Friedrich-Schiller-University.



Research Profile Profile

The Leibniz Institute for Age Research - Fritz Lipmann Institute e.V. is the first research institute in Germany dedicated entirely to biomedical ageing research. The institute focuses on studying the molecular mechanisms of senescence as well as the pathological processes of age-related illnesses.

FL's internationally renowned expertise in genome analyses and in structural biology is used, together with newly established research groups, for new topics of biomedical ageing research. Biotechnological and biomedical technologies, animal models and high-throughput analyses complement our efforts in ageing research.

More than 300 staff members work at FLI, amongst them 190 scientists from 25 different countries.

Scientific Director

Prof. Dr. Peter Herrlich

Head of Administration

Dr. Daniele Barthel

Board of Trustees

Chairman: Dennys Klein

Scientific Advisory Board

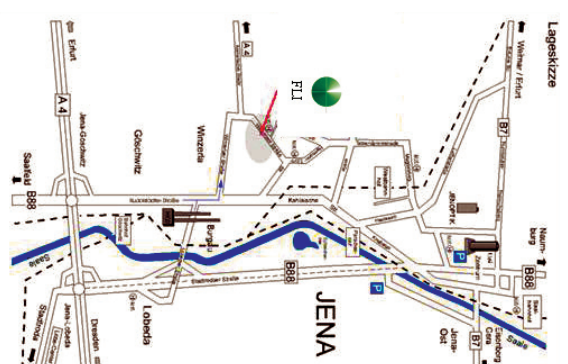
Chairman: Prof. Dr. Moshe Yaniv (FR)

(Date: January, 2010)

How to find us

By train: Coming from the train station Jena West, you can take bus number 11 or 13 towards Burgau/Göschwitz and get off at the bus stop Beutenberg-Campus. Coming from the train station Jena Paradies, you can take tram number 1 to Zwätzen and change at the tram station Stadtzentrum to bus number 11 or 13 towards Burgau / Göschwitz and get off at the bus stop Beutenberg-Campus.

By car: Coming from the Autobahn A4 (exit Jena Göschwitz) you keep driving along the Rudolstädter Straße towards Jena. After one kilometer turn left into Winzerlaer Straße, after about another kilometer there is a home improvement store (Baumarkt) to your right and FLI is located about another 300 metres further on, also to your right.



Leibniz Institute for Age Research
Fritz Lipmann Institute (FLI)

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