

GROUNDBREAKING FOR THE NEW RESEARCH BUILDING

In the presence of prominent representatives of science and politics, construction work for the new research building “Microverse Center Jena” officially began today. With almost 5,000 square metres of usable space, the Microverse Center Jena will become the new heart of the Microverse Cluster, as the new building particularly strengthens the interdisciplinary cooperation of the research areas.

“The new laboratories with state-of-the-art equipment will provide the new professorships and research groups with excellent research infrastructure and form the centre of gravity for the Microverse Cluster,” said Prof. Axel Brakhage.



In addition to the new professorships, several junior research groups and the Microverse Imaging Centre will move into the building. The planned conference area with a coffee point and a variety of communication spaces will encourage interdisciplinary discussion. The building, designed by hks Architekten GmbH and with features including a sustainable wooden façade, large heat storage tanks and a photovoltaic installation with a green roof, will provide space for 170 scientists and 30 non-academic staff. A further 35 workspaces are also planned for doctoral candidates and visiting researchers.



“Microbiology has been one of Jena’s strengths for decades,” said University President Prof. Walter Rosenthal. “The University and its partners being awarded the Cluster of Excellence is the highpoint so far. The new building provides additional opportunities to consolidate and expand this position and to underpin the strength of Jena’s performance with further outstanding research results.”



Completion of the building is planned for the end of 2024. “We are particularly grateful to the Federal Government as well as the Free State of Thuringia, but of course also to the University of Jena, for the financial support for the new research building and the accompanying investment in scientific research and technology development,” said Prof. Axel Brakhage.

META'OMICS SYMPOSIUM IN SEPTEMBER

Last chance to join our Meta'Omic Symposium on September 12!
Learn more about innovative computational analysis approaches from our bioinformatics research groups and listen to interesting talks from external guests. Editor-in-chief of Nature Metabolism, Christoph Schmitt, will share his insights on what it takes to produce a high impact story. This 1-day hybrid workshop will be followed by an evening get-together at the Jena Botanical Garden.
To participate send an email to: contact@microverse-cluster.de. We are looking forward to seeing you there!

CALL FOR EXTERNAL SEMINAR SPEAKER - SPRING 2023 PROGRAM

With the start of the planning of our Spring 2023 seminar program, we are now accepting suggestions for speakers from outside of the cluster. Students, post-docs and group leaders may submit suggestions to Anna Komor.

NEW PUBLICATIONS

Functional modulation of chemical mediators in microbial communities (Review)

Pierre Stallforth, Maria Mittag, Axel A.Brakhage, Christian Hertweck and Ute A. Hellmich | Trends in Biochemical Sciences | August 16, 2022

An overview of functional chemical mediator modifications that arise as a result of microbial interactions. [Read more](#)

Nutrition or nature: using elementary flux modes to disentangle the complex forces shaping prokaryote pan-genomes

Bas E. Duthil and colleagues | BMC Ecology and Evolution | August 16, 2022

A pan-genome comprises all genes from all species of an evolutionary clade. Here presented are computation strategies to elucidate the metabolic factors that shape pan-genomes. [Read more](#)

Reliable online measurement of population dynamics for filamentous co- cultures

Miriam Rosenbaum and colleagues | Microbial Biotechnology | July 28, 2022

A method to track microorganism growth in co-culture that is functional even in the presence of factors that hinder normal growth monitoring, such as the use of filamentous microorganisms or insoluble substrates . [Read more](#)

Lineage dynamics in growing biofilms: Spatial patterns of standing vs. de novo diversity

Rosalind Allen and colleagues | Frontiers in microbiology | July 27, 2022

Computer simulations of biofilm growth reveal the physical characteristics that influence development of diversity in biofilms, providing insight into how antimicrobial resistant lineages emerge. [Read more](#)

The potential of amoeba-based processes for natural product syntheses (Review)

Johann Kufs, Christin Reimer, Pierre Stallforth, Falk Hillmann and Lars Regestein | Current Opinion in Biotechnology

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