

# GET-TOGETHER

OF THE RESEARCH SCHOOL NETWORK HALLE



Please register online:

<https://umfrage.uni-leipzig.de/index.php/932144?lang=en>

**August 29, 2024,  
3:30 pm – 9:00 pm**

## Venue:

Campus Heide Süd,

Von-Seckendorff-Platz 1, 06120 Halle

Registration & workshop: Lecture Hall HS 3.07

Get-Together: Café Einstein and arcades

**About:** The Research School Network Halle invites all participating doctoral researchers to the 4th summer meeting on Thursday, August 29, 2024.

Doctoral researchers from graduate schools in the field of Natural Sciences and Agricultural and Food Economics have the opportunity to get in contact in a stimulating atmosphere, which fosters exchange and creates opportunities for collaboration. The meeting starts with an interactive workshop on generative AI for science and ends with a get-together. Food will be provided for free, non-alcoholic drinks and alcoholic beverages will be available for a small fee.

**3:00 pm – 3:30 pm**

Registration

**3:30 pm – 6:30 pm**

Workshop Generative AI for Science:

Boosting Efficiency, Effectiveness and Creativity

by Dr. Alexander Britz

**from 6:30 pm**

Get-together with food and drinks

## Generative AI for Science: Boosting Efficiency, Effectiveness and Creativity

**Abstract:** Enhance your scientific endeavors by harnessing the power of Artificial Intelligence! Discover generative AI and use it as your assistant, enabler, and catalyst. Foster new ideas, develop skills and amplify output. Kickstart your journey with the fundamentals of generative AI such as large language models (LLMs) to create text and diffusion models for image production. You will explore tools like ChatGPT, Perplexity.ai and Midjourney unlocking their potential in countless scientific applications.

For example, you will learn how to use these for brainstorming to generate new ideas and develop projects as well as for literature research from data mining to summarizing and polishing text. LLMs are extremely powerful in generating software, as code is just another highly structured language. We will learn how to enhance our programming skills using generative AI as a programming partner, or even starting from scratch if you are new to coding. The lecture closes with a discussion about the ethical implications of AI alongside the principles of Good Scientific Practice.

## Participating institutions:

IMPRS for Science and Technology of Nano-Systems / iRTG of SFB / TRR 227 "Ultrafast Spin Dynamics" / Graduate School of Leibniz Institute of Agricultural Development in Transition Economies (IAMO) / Leibniz Research School PlantBioChem / RTG 2498 "Communication and Dynamics of Plant Cell Compartments" / RTG 2670 "Beyond Amphiphilicity" / yDiv – Graduate School of German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig / RTG 2467 „Intrinsically Disordered Proteins – Molecular Principles, Cellular Functions, and Diseases" / IRTG 2324 TreeDi – Tree Diversity Interactions: The role of tree-tree interactions in local neighbourhoods in Chinese subtropical forests / supported by the International Graduate Academy of MLU (InGrA)



Funded by:



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