# GRADUATE SCHOOL

# Program
# Summer Semester 2024

Von-Lade-Str. 1
65366 Geisenheim

Phone +49 6722 502 6341

Building 5903 - Room 04

www.hs-geisenheim.de/forschung/
wissenschaftlicher-nachwuchs/

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Welcome, Doctoral students & Postdocs!

Graduate students and postdoctoral scholars in all fields face an increasingly complex and rapidly changing academic environment and career search. To make the most of the myriad of career opportunities available to you, you must complement academic training by building professional skills based on the following core competencies:

- research & data analysis
- writing & publishing
- presentation & teaching skills
- career management

Planning status is April 2024 – so please visit our homepage regularly for updates!

Registration for the courses is detailed in the program. The course title indicates the course language.

## SCIENTIFIC INTEGRITY

At Hochschule Geisenheim we are required and actively committed to the prevention of research misconduct as well as to working arte legis. That's why Graduate School offers workshops on scientific integrity on an annual basis. You should consciously explore the rules of responsible conduct of research from the very beginning of your research endeavors and writing process eliminating any possibility of misconduct in dealing with data and references ensuring your work to be impeccable. This workshop is offered on an annual basis at the beginning of the year.

## SCIENTIFIC WRITING TUTORIALS

The ability to write well in a variety of genres to different audiences from seminar papers and grant proposals to dissertations and research publications will be key to success and to your career. For the attendance of the tutorials please join directly on Greenlight.
Lecturer: Dr. Markus Elsner

**https://vc-green.hs-gm.de/b/dan-ygh-d3n-2jc**

## TEACHING SKILLS

Numerous sources are available to obtain and grow the teaching skills you need to thrive as an educator. For those interested in teaching-related careers, developing teaching skills has obvious value, but if you plan to pursue jobs outside of academia, instructional techniques can also help cultivate important skills such as oral communication, active listening and problem solving. Please check with us at Graduate School or with our library for a list of extensive bibliography.
**www.hs-geisenheim.de/en/university/organization/administrative-units/university-didactics-elearning/**

## LITERATURE MANAGEMENT

The literature management program **CITAVI** is available as an ILIAS course unit via the library. CITAVI helps with all that's necessary for scientific literature work: from research to knowledge organization, task planning and creating the bibliography.

Work through the CITAVI course by yourself and go into more detail making a personal appointment at the library.
**www.hs-geisenheim.de/bibliothek/citavi/**

## RESEARCH DATA MANAGEMENT

Digital research data is a special knowledge resource that ensures the traceability of research results whilst leading to new insights, e.g. if reused by other researchers. Active data management also offers advantages in everyday research, beginning with the sorting and backup of the data in the working group. Self-learning units on research data management are available on HGU's ILIAS:
 **https://ilias.hs-gm.de/goto.php?target=lm_13364&client_id=iliasprod**

Explore current events of HeFDI Data School here:
**https://www.uni-marburg.de/en/hefdi/hefdi-data-event/hds**

## CAREER ORIENTATION & EXPLORATION

Graduate School strongly supports the career development especially in light of the increasing differentiation on the academic job market and its changing career perspectives.  The curriculum of the Human Resources Department includes e.g. development of management skills, team development, basic business skills as well as self-assessment coachings. For individual support please take advantage of a personal appointment at

**personalentwicklung@hs-gm.de**

# LECTURE SEMINAR SERIES 🧠

**21.3.**

**Christopher Bahr, Dept. of Modeling and Systems Analysis** - Modelling virtual Riesling canopies for reducing sunburn risks in grapevine (Vitis vinifera L.) berries

**Marcel Fackert, Dept. of Fresh Produce Logistics** - Analyse und Gestaltung der Logistikprozesse in der Qualitätsschaumweinindustrie unter besonderer Berücksichtigung von Digitalisierung und Automatisierung

**11.4.**

**David Weinrich, Dept. of Fresh Produce Logistics** - Private gardens in urban spaces: sustainability, function, and relevance for garden owners

**Duc Le Ngoc, Dept. of Food Safety** – Investigation of the potential allergenicity and coloration of peanut and hazelnut regarding different high-temperature processing methods

**25.4.**

**Emilio De Longhi, Dept. of Microbiology & Biochemistry** – Sensory and chemical characterization of the aroma of Riesling wines

**Anna Lamberty, Dept. of Fresh Product Logistics** - Development of a generic concept for cross chain temperature monitoring using IoT-based sensor technology to optimize the product quality of fresh plant-based produce

**2.5.**

## INTRODUCTION OF THE NEW DOCTORAL STUDENTS
### WITH PROF. DR. ANNETTE REINEKE, VICE PRESIDENT RESEARCH

**Julia Schenkenberger, Dept. of Urban Horticulture & Plant Use** - Anwendungsbereiche der Baubotanik in der Kulturlandschaft

**23.5.**

**Samantha Rubo, Dept. of Vegetable Crops** - Development and parameterization of a neural network based on spectral vegetation indices for site-specific irrigation and N-fertilization scheduling of spinach grown in open field

**Katharina Adler, Dept. of Landscape Planning & Nature Conservation** - Avian diversity in German vineyards – Circannual effects of landscape structure and management practices in the Rheingau and Rheinhessen regions

**6.6.**

**Joshua Göttmann, Dept. of Soil Science & Plant Nutrition** - The impact of foliar fertilization of urea on the rhizosphere competence and the root exudate patterns of grapevine (Vitis vinifera L. cv. Riesling)

**Stefan Dußling, Dept. of Beverage Research** - Enrichment of polyphenols in fruit drinks for the reduction of their cariogenic potential

**13.6.**

**Tobias Körner, Dept. of Vegetable Crops** - Effects of thermopriming on resilience against recurrent stress conditions and yield performance on tomato (Solanum lycopersicum L.)

**Lorenzo Italiano, Dept. of Enology** – Evaluation of innovative membrane technologies for dealcoholization of wine and sparkling wine

Scientific Writing & Publishing ✏️    Research Skills & Data Analysis 🔍    Presentation & Teaching Skills 📊 📽️    Career Exploration ⚗️

# WORKSHOPS

## INTRODUCTION TO RESEARCH FUNDING I+II
Dr. Christiane Jost, Magdolna Prantner, Hochschule Geisenheim

Introduction to research and innovation services & how to apply for funding at HGU. Introduction to national/international funding organizations. Hints and tricks for writing a successful proposal. Introduction to EU funding and Horizon Europe. Individual grants for early carrier researcher (MSCA & ERC). Where to find information and support for EU-Funded research? Interactive sessions include reading a BMBF call & an EU call as well as helpful hints.

**22.3. + 18.4.2024** ☼ **9 am - 12 pm**
HS 3 /Aula                          (2 sessions = 1 elective module credit)

## ACADEMIC WRITING
Amanda Habberhsaw, Tinta Training

**COMPULSORY MODULE**

The English you learned at school is not sufficient for writing a dissertation or publishing articles in international journals – you need to master formal English and the writing conventions for academic texts. A key challenge is writing a clear, precise and readable text that sounds like it has been written by a native speaker.
The objective of this workshop is to improve your ability to produce clear, concise and readable scientific manuscripts.
You will leave the workshop with useful tips on how to improve the style of your writing and a greater awareness of your own strengths and weaknesses.

**7. + 14.5.2024** ☼ **9 am – 2 pm (incl. break)**
online                          (2 sessions = 1 compulsory module credit)

## INTRODUCTION TO DATA VISUALIZATION WITH R AND GGPLOT2
Dr. Dominik Schmidt, Hochschule Geisenheim

This hands-on workshop will introduce the concepts of ggplot2 to visualize different data sets within "R" - a "free software environment for statistical computing and graphics". First steps and best practices towards publication will be discussed. R and ggplot2 offer platform independent state-of-the art data analysis capabilities in combination with fully customizable high-quality plotting tools.

**22.4.2024** ☼ **10.15 am – 12.30 pm / 1 – 4.45 pm**
online                          (1 elective module credit)

## ACADEMIC POSTER DESIGN
Dr. Susanne Berger, Visual Science Communication

Poster sessions are an integral part of almost every scientific conference. Their purpose is to highlight research results, visualize them, and stimulate discussion. To get your audience's attention, you need a crystal clear message, a format optimized for readability, and well-chosen graphics. Above all, you need to thoroughly think through how to organize your research content according to the required format. We will seek answers to the questions: What makes a good poster a good poster? How much content should be on it? How can graphic design help to communicate your research efficiently?
Each participant has the chance to attend a 1:1 coaching session following the workshop!

**10. + 11.6.2024** ☼ **9 am – 12.30 pm**
online                          (2 sessions = 1 elective module credit)

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## ROSETTA STONE APP - LEARNING LANGUAGES WHEN, AND WHERE EVER YOU WANT!!
Through our cooperation with the leading international online language provider Rosetta Stone, everyone at Hochschule Geisenheim can now benefit from the advantages of digital language learning. Language courses for beginners to advanced A0-C1 level / 24 languages with one access!

Contact the library to sign up: **https://www.hs-geisenheim.de/bibliothek/**

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# May

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| **2.5.**<br>4 – 6 pm | **INTRODUCTION OF THE NEW PhD STUDENTS**<br>**with Prof. Dr. Annette Reineke**<br>+ LECTURE SERIES | HS 8 | |
| **6.5.**<br>11.45 am –<br>12.45 pm | **Sprachcafé for German learners**<br>Relaxed conversations in German for German learners from all countries and for all levels! | Weiterbildungsraum Müller-Thurgau-Haus | registration via email<br>susanne.daniel@hs-gm.de |
| **7. + 14.5.**<br>9 am – 2 pm | **Academic Writing** *AUSGEBUCHT*<br>WORKSHOP      !!! compulsory module !!! | online | registration via email<br>susanne.daniel@hs-gm.de |
| **23.5.**<br>4 – 5.30 pm | **PhD Presentations**<br>LECTURE SERIES | HS 8 | |

## Partner Events (HeFDI, AGWW, Promotionsplattform & partners)

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|---|---|---|---|
| **13.+14.5.**<br>10 am - 6 pm<br>9 am - 5 pm | **Klang und Präsenz – Die Stimme und die Praxis des Sprechens**<br>Workshop | AGWW | **free**<br>https://www.thm.de/wp/agww/seminare/schedule/4174 |
| **14.5.**<br>9 am - 5 pm | **Social Media für die Wissenschaftskommunikation – Wie ich (meine) Forschung präsentieren kann**<br>Workshop | Uni Marburg Deutschhausstr.11+13, Seminarraum 01.0010 | *registration fee* / deadline 29.4.2024<br>via mara.gsw@uni-marburg.de |
| **17.5.**<br>9 am – 1 pm | **HeFDI Data School**<br>Working with data sets (basic track) | online | **free**<br>https://redcap.kks.uni-marburg.de/surveys/?s=JMLJWFKXHDXMLKRX |
| **22.5.**<br>9 am – 4.30 pm | **EMF – Intellectual Property Rights in Science and Research**<br>WORKSHOP | Uni Marburg Deutschhausstr.11+13, Seminarraum 01.0010 | *registration fee* / deadline 7.5.2024<br>via mara.gsw@uni-marburg.de |

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# June

| Date | Event | | Location | Registration |
|------|-------|---|----------|-------------|
| **3.6.**<br>11.45 am – 12.45 pm | **Sprachcafé for German learners**<br>Relaxed conversations in German for German learners from all countries and for all levels! | | Weiterbildungsraum Müller-Thurgau-Haus | registration via email<br>susanne.daniel@hs-gm.de |
| **6.6.**<br>2 – 4 pm | **Scientific Writing**<br>TUTORIAL (The publication process) | | online | via Greenlight<br>https://vc-green.hs-gm.de/b/dan-ygh-d3n-2jc |
| **6.6.**<br>4 – 5.30 pm | **PhD Presentations**<br>LECTURE SERIES | | HS 8 | |
| **10. + 11.6.**<br>9 am – 12.30 pm | **Academic Poster Design**<br>WORKSHOP | | online | registration via email<br>susanne.daniel@hs-gm.de |
| **13.6.**<br>4 – 5.30 pm | **PhD Presentations**<br>LECTURE SERIES | | | |
| **24. - 28.6.**<br>all day | **Summer School** *Greenhouse Gas Flux Measurements* | | HGU Campus | registration via email<br>susanne.daniel@hs-gm.de |

## Partner Events (HeFDI, AGWW, Promotionsplattform & partners)

| Date | Event | Location | Registration |
|------|-------|----------|-------------|
| **3.+4.6.**<br>10 am - 6 pm<br>9 am - 5 pm | **Scientific Writing**<br>Workshop<br>*! compulsory module credit will be assigend upon submission of certificate* | Otto-Fleck-Schneise 4, 60528 Frankfurt/Main | **free**<br>https://www.agww-hessen.de/wp/agww/seminare/schedule/4183 |
| **14.+15.6.**<br>9 am – 5 pm | **Presenting at Conferences**<br>WORKSHOP | Uni Marburg Deutschhausstr.11+13, Seminarraum 01.0010 | *registration fee* / deadline 31.5.2024<br>via mara.gsw@uni-marburg.de |
| **21.6.**<br>9 am – 1 pm | **HeFDI Data School**<br>Accessing Databases (basic track) | online | **free**<br>https://redcap.kks.uni-marburg.de/surveys/?s=JMLJWFKXHDXMLKRX |
| **22.6.**<br>9 am – 4 pm | **EMF – Visualizing Science Projects**<br>WORKSHOP | online | *registration fee* / deadline 7.6.2024<br>via mara.gsw@uni-marburg.de |

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# July

| Date | Event | | Location | Registration |
|------|-------|--|----------|--------------|
| **8.7.**<br>11.45 am – 12.45 pm | **Sprachcafé for German learners**<br>Relaxed conversations in German for German learners from all countries and for all levels! | | Weiterbildungsraum<br>Müller-Thurgau-Haus | registration via email<br>susanne.daniel@hs-gm.de |
| **18.7.**<br>2 – 4 pm | **Scientific Writing**<br>TUTORIAL (Abstracts) | | online | via Greenlight<br>https://vc-green.hs-gm.de/b/dan-ygh-d3n-2jc |
| **10.9.**<br>9 am – 4.30 pm | **Präsentationen professionell planen und aufbereiten**<br>WORKSHOP | | Weiterbildungsraum<br>Müller-Thurgau-Haus | https://hs-geisenheim.jobteaser.com/de/events/202092-career-service-workshop-bewerbungsgesprche-assessment-center |

## Partner Events (HefDI, AGWW, Promotionsplattform & partners)

| Date | Event | Location | Registration |
|------|-------|----------|--------------|
| **2.7.**<br>1 pm – 5 pm | **HeFDI Data School**<br>Motivation for sustainable software design / Basic concepts for organizing complexity / Object Oriented Programming (advcanced track) | online | **free**<br>https://www.uni-marburg.de/en/hefdi/hefdi-data-event/code-school#summer-semester-2024-advanced-track |
| **3.7.**<br>9 am – 5 pm | **HeFDI Data School**<br>Design principles: SOLID & Co. with application examples / Design Patterns with hands-on application exercise (advcanced track) | online | **free**<br>https://www.uni-marburg.de/en/hefdi/hefdi-data-event/code-school#summer-semester-2024-advanced-track |
| **4.7.**<br>9 am – 1 pm | **HeFDI Data School**<br>Clean Code and Refactoring with interactive hands-on examples / Tipps for working with Python (advcanced track) | online | **free**<br>https://www.uni-marburg.de/en/hefdi/hefdi-data-event/code-school#summer-semester-2024-advanced-track |
| **1.+2.7.**<br>9 am - 5 pm | **Statistik-Crashkurs**<br>Workshop | Uni Marburg<br>Deutschhausstr.11+13,<br>Seminarraum 01.0010 | *registration fee* / deadline 17.6.2024<br>via mara.gsw@uni-marburg.de |
| **11.+12.7.**<br>10 am - 6 pm<br>9 am - 3 pm | **Critical Reasoning and Logic**<br>Workshop | online | *registration fee* / deadline 26.6.2024<br>via mara.gsw@uni-marburg.de |

# August

| 19-30.8.<br>9 am – 5 pm | **Online-Schreibretreat - für alle Fachrichtungen!**<br>*! compulsory module credit will be assigend upon submission of certificate* | online | *registration fee* / deadline 5.8.2024<br>via mara.gsw@uni-marburg.de |

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