



Sun 20<sup>th</sup> — Sat 26<sup>th</sup> of August 2023  
**Research Methods in Sports Science  
 for Interdisciplinary Approaches**  
 International Summer School

**Programme Structure**

	Sun 20 <sup>th</sup> of Aug	Mo 21 <sup>st</sup> – Sat 26 <sup>th</sup> of Aug		Sun 27 <sup>th</sup> of Aug
AM	Arrival	Lectures Practical Workshops Working sessions on workshop results and their presentation		Departure
		Lunch		
PM		Lectures Practical Workshops Working sessions on workshop results and their presentation		
		Dinner		
Eve- ning	Campus tour, Get-together	Evening programme	Farewell reception	

**Deadlines & Contact Information**

**Registration Fee** (covers meals and other expenses)

€ 200,- for postdoctoral researchers  
 € 150,- for Master and PhD students

*Participants from GSU and partner institutions*  
 € 150,- for postdoctoral researchers  
 € 100,- for Master and PhD students

**Accommodation**

€ 200,- (with breakfast)

You will stay at the university guest house, on GSU campus. Accommodation will cover the time from 20<sup>th</sup> – 27<sup>th</sup> of Aug.

**Registration & Contact**

**Scholarships**

Some scholarships will be available, to apply, please submit the following to [summerschoolresearch@dshs-koeln.de](mailto:summerschoolresearch@dshs-koeln.de):

1. The registration form and the signed data procession declaration.
2. The CV form which should include information about your studies and your research and, if applicable, academic work experiences.
3. The Motivation letter form, stating your scientific argumentation for participating in the summer school with a focus on why you think that interdisciplinary approaches play an important role in your current and/or future research.

**Deadlines**

Deadline for registrations and scholarship applications is  
**30<sup>th</sup> of April 2023.**

**Website**

Find out more on our programme and register on our website at  
[www.dshs-koeln.de/summer-schools/](http://www.dshs-koeln.de/summer-schools/)

**Venue**

German Sport University Cologne  
 Am Sportpark Müngersdorf 6  
 50933 Cologne, Germany

Find your way to us:

[www.dshs-koeln.de/english/meta-navigation/how-to-find-us/](http://www.dshs-koeln.de/english/meta-navigation/how-to-find-us/)

**Contact**

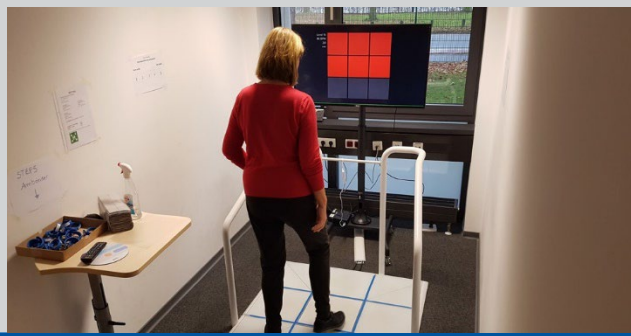
Please direct all enquiries to Matthias Winterschladen  
 e-mail [summerschoolresearch@dshs-koeln.de](mailto:summerschoolresearch@dshs-koeln.de)  
 phone **(+49) 221 / 4982-8716**



**APPLICATION EXTENDED  
 UNTIL 30<sup>th</sup> OF APRIL**

Find all current information on our homepage at

[www.dshs-koeln.de/summer-schools/](http://www.dshs-koeln.de/summer-schools/)



**Research Methods in Sports Science  
for Interdisciplinary Approaches  
International Summer School**

**German Sport University Cologne**

**Sun 20<sup>th</sup> – Sat 26<sup>th</sup> of August 2023**

**Take off in Interdisciplinary Research in Sports Science!**

*Interdisciplinarity is a key to progress and innovation in science. Approaches that transcend narrow disciplinary boundaries and a wide variety of scientific methods open up new horizons for research. – Get started in interdisciplinary research with the international Summer School 2023 at the German Sport University Cologne, the interdisciplinary research institution for sports science in Germany.*

The aim of this event is to train you as young researchers in a wide variety of methods in sports science and to inspire interdisciplinary approaches. We want to provide the impetus: For you to develop your own interdisciplinary research questions, projects and collaborations as sports scientists and even beyond the borders of our disciplines.

The heart of the Summer School will be introductory lectures and in-depth workshops by and with our GSU scientists. Our experts from the broad spectrum of sports science – from training studies to sports medicine, from psychology to sports management, from sports history to movement culture – will acquaint you with the latest interdisciplinary approaches and research discourses in plenary sessions. In small workshop groups you can deepen what you have learned: Through the practical application of specific sports science methods to answer interdisciplinary research questions. A cultural and sporting social programme will complete the event.

The event is targeted at Master students, PhD candidates and early career postdoctoral researchers. We look forward to receiving your application!

Welcome to Cologne and to Germany's only university dedicated solely to sports science! Learn more about GSU at:

[www.dshs-koeln.de/english/university-facilities/profile/](http://www.dshs-koeln.de/english/university-facilities/profile/)

**Programme features**

**Survey lectures**

- Experienced researchers from different disciplines within sports science will hold instructive lectures which sum up the current state of the art on certain fields of interdisciplinary research.
- You acquire compact and condensed knowledge on research methods for interdisciplinary approaches happening within sports science.
- A broad range of topics from different disciplines provides you with a multi-faceted picture of the interdisciplinary character of sports science.

**Practical workshops**

- Enhance the theoretical foundations from the lectures and apply your knowledge in practical trainings and workshops.
- Use GSU's excellent range of laboratories & training sites and experience the challenges and chances of a research method by learning how to use it.
- Discuss the benefits, the limits and the future potential of different interdisciplinary approaches in sports science – with peers and experienced researchers.

**Information sessions on PhD & research at GSU**

- Get to know the diverse opportunities for scientific cooperation offered by the GSU to researchers from Germany and abroad.
- Network with potential partners from GSU with regard to joint research projects and publications.
- Get comprehensive information about possible ways to take up PhD studies at the GSU.

**Sports & cultural programme**

- sports & social events
- sports-related sightseeing

**Topics (selection)**

*Measurement of embodied choices*

*Mobility, cognition and virtual reality:  
Sports medicine-associated virtual  
methodological visions*

*Video annotation with artificial intelligence:  
motion capture in research on dance and sport*

*Big data in competitive soccer*

*Nonverbal behaviour in sports:  
expressive body movement analysis  
in sports and movement therapy research*

*fNIRS as a neuroimaging tool to investigate  
motor-cognitive functions of the brain*