



**Martina Erlemann**



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# Research Group Erlemann

## Gender & Science Studies in Physics



**Carl-Levi Reuter**



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# Our research

We do research in the fields of **Gender Studies in STEM** and **Science and Technology Studies**.

We apply qualitative methods of the social sciences (interviews, discourse analysis, ethnographies).

Our current research projects:

## ***Diversity in the physics workplace – A case study at Freie Universität Berlin*** (2022-2024)

- Studies the impact of gender, race, social background on the workplace cultures in physics.
- Funded by the department of Physics.

## ***WomenInQuantumTech*** (2024-2027)

- Studies the non-/visibility of excellent women in quantum technologies.
- Will be funded by the Ministry of Education and Research (BMBF).



# Our teaching

Introductions into the research fields of **Gender & Science** and **Science & Society**

Benefits for BA + MA Physics and MA Education:

- You learn about **social and cultural embeddings of physics** and its technological applications.
- You learn inasmuch **gender, ethnicity and the social background of physicists** play a role in a career in physics.
- You learn how to **teach physics in a gender- and diversity-aware** way.

Current courses:

**Science as Social Practice,**  
Lecture + Tutorial, Thu 2-4



**Gender & Diversity in Physics,**  
Seminar, Mon 12-2



**AI, Data, Algorithm & Power,**  
Seminar, 22 July – 8 August



**Gender & Diversity in der MINT  
Bildung,**  
Seminar, Wed 10-13



# New BUA Certificate Program: *Gender & Diversity in Science & Technology Studies*

The BUA Certificate Program is a study program that ...

- offers **courses** on basic and applied knowledge of **Gender and Diversity Studies on Science & Technology,**
- encompasses courses at Freie Univ. Berlin and TU Berlin that are open to students of all fields.

You will learn ...

- to understand the significance of **social inequality in and through science and technology** e.g. in and through AI,
- about the relevance of gender and diversity for **global technological challenges** e.g. for climate change,
- to communicate and apply gender and diversity perspectives **in your future profession** (in research, business, civil society, ...).



# New BUA Certificate Program: *Gender & Diversity in Science & Technology Studies*

The BUA Certificate Program ....

- is studied „on top“ of your MA studies
- can be studied in **two semesters (15 or 18 CP)**
- can often allow double crediting (e.g. in MA Physics + in BUA Certificate).
- Participation in single courses of the program is possible.

You get:

- a **certificate** from the **Berlin University Alliance**,
- **sought-after competencies** that you can benefit from in your **professional future**.

Find out more:

<https://www.tu.berlin/pruefungen/berlin-university-alliance/bua-certificate-program-gender-diversity-in-science-technology-studies>



# Master theses

Can I write my Master thesis in the field of Gender & Science Studies in Physics?

If you are doing your **Master studies in physics**:

- **No**, the study regulations do not allow this.

If you are doing your **Master of Education in physics**:

- **Yes**, you can write your Master thesis within the field of Gender & Science Studies in Physics.
  - Choose a topic according to your interests and contact me. We will design your project together.

**Want to know more about our research, teaching or the BUA certificate ??**

- **Address me later in the networking session!**