



# QuCoLiMa

## Master's Fellowship for Female Students

*Are you interested in quantum optics and/or condensed matter physics? Do you want to study many-body quantum systems, complex matter systems, quantum cooperativity and the many interesting questions at the intersections of these topics in more detail?*

*Are you an excellent prospective female Masters' student and still need to figure out how to make this all work? How to best develop your scientific career in physics or chemistry? How to make contacts in your field of study and get to know other likeminded students and researchers? Would you like to be actively involved in research during your master's degree?*

Then we would like to hear from you and invite you to apply for the **QuCoLiMa Master's Fellowship for Female Students** within the Collaborative Research Centre Transregio **TRR 306 QuCoLiMa – Quantum Cooperativity of Light and Matter**.

### Who we are

We are a collaborative research centre of the universities

- Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU),
- Johannes Gutenberg-Universität Mainz (JGU), and
- Universität des Saarlandes Saarbrücken (UdS).



We explore the distinctive traits of quantum cooperativity within a large variety of quantum platforms at the intersection of quantum optics and condensed matter. We aim at understanding what is the interplay of quantum interference and entanglement in the collective response of many-body quantum systems interacting with light. Our research is funded by the DFG – Deutsche Forschungsgemeinschaft (German Research Foundation).



### Who we are looking for

Excellent female applicants for a master's degree in Physics, Chemistry or related (see webpage for details) admitted for a start at one of the three universities above.

### What you can expect

For the entirety of your Master's program you will receive

- **scientific mentoring** by a professor involved in QuCoLiMa
- **support by the female scientists** involved in QuCoLiMa
- a chance to **actively develop and conduct small research projects**
- associate membership in the integrated Research Training Group (RTG) of QuCoLiMa with **access to all measures**
- participation in the annual QuCoLiMa meetings including board & lodging
- During its **initial 12-month-duration**, the fellowship ensures one year of financial support consisting of **500 € per month** as subsidy for living expenses (due to special visa regulations, a higher sum is possible in individual cases – please contact us)
- Following a positive evaluation, **an extension to 24 months is possible**



### How to apply

For more details and the application process please visit [www.qucolima.de/masters-fellowship](http://www.qucolima.de/masters-fellowship) or scan:



**Application Deadlines:** **1<sup>st</sup> June** for a start in the following winter term

**1<sup>st</sup> December** for a start in the following summer term