



## Schedule Winter Semester 2022/2023



**Tuesdays**  
**12:00**



**Zoom:** [www.qucolima.de/join-qucolima-talk](http://www.qucolima.de/join-qucolima-talk)

**Erlangen**  
Lecture Hall HF  
Physikum

**Saarbrücken**  
Konferenzraum 407  
Gebäude E1.1

**Mainz**  
tba

Date	Title	Location*	Speaker	Chairperson
15.11.2022	Non-Hermitian topological phenomena	Erlangen & Zoom	Flore Kunst (MPL Erlangen)	Claudiu Genes
22.11.2022	Quantum unitary evolution interspersed with repeated non-unitary interactions at random times	Saarbrücken & Zoom	Shamik Gupta (Tata Institute - Mumbai, India)	Giovanna Morigi
29.11.2022	Quantum optics of correlated electron systems	Zoom	Mohammad Hafezi (JQI, Maryland)	Jamir Marino
06.12.2022	Semilocalization of disordered spins in cavity QED	Erlangen & Zoom	Guido Pupillo (Univ. of Strasbourg)	Claudiu Genes
13.12.2022	The maximum refractive index of optical materials: from quantum optics to quantum chemistry	Mainz & Zoom	Darrick Chang (ICFO)	Jamir Marino
20.12.2022	Doctoral Seminar of the RTG			
----- Christmas -----				
10.01.2023	Doctoral Seminar of the RTG			
17.01.2023 17:15 (!)	An Optical Lattice with Sound	Zoom	Benjamin Lev (Stanford)	Jamir Marino
24.01.2023	Bio-inspired collective effects in the interaction between matter and light	Erlangen & Zoom	Erik Gauger (Heriot Watt Univ.)	Claudiu Genes
31.01.2023	Quantum photonics: interference beyond HOM, entanglement, and quantum networks	Saarbrücken & Zoom	Stefanie Barz (Univ. of Stuttgart)	Christoph Becher
07.02.2023	Quantum spectroscopies for quantum materials (QuCoLiMa Talk organised by Young Researchers)	Erlangen & Zoom	Daniele Fausti (FAU Erlangen-Nbg.)	Young Researchers

### \*All talks hybrid:

We have a mixture of on-site talks at all three main sites of QuCoLiMa (Erlangen, Mainz, Saarbrücken) as well as online talks. Regardless of where the talks are given, they are livestreamed via Zoom and can be watched from home/office or together in the following meeting rooms:

- Erlangen: Livestream/Presentation in Lecture hall HF + open sandwiches in the foyer afterwards
- Saarbrücken: Livestream/Presentation in Konferenzraum Informatik (Geb. E1.1, Room 407)
- Mainz: Livestream/Presentation in tba

QuCoLiMa Talks are the weekly seminar of the collaborative research center TRR 306 QuCoLiMa (Quantum Cooperativity of Light and Matter). The talks are given by (external) experts, whose research falls within the scope of QuCoLiMa.

Abstracts and more information at [www.qucolima.de/talks](http://www.qucolima.de/talks)