



# Synthetic Electronic Quantum Matter (SELEQ)



**28.Août - 30.Août 2024**

**Cod. Z19-24**

**Modalité:**

En personne

**Édition**

2024

**Type d'activité**

Workshop

**Date**

28.Août - 30.Août 2024

**Location**

Miramar Palace

**Langues**

Anglais

**Reconnaissance officielle par l'État**

30 heures

**Comité d'organisation**



## Description

At the intersection of quantum optics, condensed matter physics, and quantum technologies, the workshop will address topics like:

- Light-matter interactions in strongly correlated systems
- Many-body phases of excitons/exciton-polaritons
- Moiré systems
- Light-induced quantum phases
- Electronic quantum simulators
- Quantum dots

High-profile researchers in the field are invited to deliver their talks, and also there will be an opportunity for ~15 younger researchers to present their work in contributed talks. Every participant will be given the opportunity to present their work during a poster session.

### ORGANIZING COMMITTEE:

Dario Bercioux (DIPC)

Mohammad Hafezi (Joint Quantum Institute)

François Dubin (CNRS)

### Objectifs

This workshop aims at gathering international scholars working on the control of electronic materials, specifically the engineering of quantum correlations and many-body phases of matter in electronic devices.

### Collaborateurs spécifiques au cours



## Directed by



### **Tobias Grass**

Donostia International Physics Center (DIPC)

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Tobias Grass is an Ikerbasque Research Fellow at the Donostia International Physics Center (DIPC) in San Sebastián. His research concentrates on strongly correlated quantum matter, with a focus on controllable systems through light-matter interactions. Before his appointment at the DIPC, Grass was a La Caixa Junior Leader Fellow at ICFO in Barcelona and a JQI Post-doctoral Fellow at the University of Maryland. He obtained his Ph.D. in 2013 from Universitat Politècnica de Catalunya, and a Diploma in Physics in 2009 from Freie Universität Berlin.

# Tarifs inscription

REGISTRATION FEES

JUSQU'AU 28-07-2024

Fee Waiver	0 EUR
Regular fee	350,00 EUR

## **Lieu**

### **Miramar Palace**

Pº de Miraconcha nº 48. Donostia / San Sebastián

Gipuzkoa