



# Synthetic Electronic Quantum Matter (SELEQ)



**28.Ago - 30.Ago 2024**

**Cód. Z19-24**

**Mod.:**  
Presencial

**Edición**  
2024

**Tipo de actividad**  
Workshop

**Fecha**  
28.Ago - 30.Ago 2024

**Ubicación**  
Palacio Miramar

**Idiomas**  
Inglés

**Validez académica**  
30 horas

**Web**  
<https://seleq24.dipc.org/>

## **DIRECCIÓN**

**Tobias Grass**, Donostia International Physics Center (DIPC)

## **Comité Organizador**

Fundación  
BBVA



## Descripción

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)

### Objetivos

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.

### Colaboradores específicos del curso



## Dirigido por:



### **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.

# Precios matrícula

REGISTRATION FEES

HASTA 28-07-2024

Fee Waiver	0 EUR
Regular fee	350,00 EUR

# **Lugar**

## **Palacio Miramar**

Pº de Miraconcha nº 48. Donostia / San Sebastián

Gipuzkoa