



EXCELENCIA  
SEVERO  
OCHOA  
2016 - 2019

Fundació  
Catalunya  
La Pedrera

**ICFO<sup>R</sup>** Master School on Quantum Nano- and Opto-mechanics



# Schools on the Frontiers of Light PROGRAM

**ICFO<sup>R</sup>**  
The Institute  
of Photonic  
Sciences

**Generalitat  
de Catalunya**

Fundació Privada  
**CELLEX**

Fundació Privada  
**MIR-PUIG**

**UPC** UNIVERSITAT POLITÈCNICA  
DE CATALUNYA  
BARCELONATECH

**IC3** Institut de Ciències de Catalunya  
i de Recerca Tecnològica

**UNIÓN EUROPEA**  
Fond Europeu de Desenvolupament Regional

**BIST** Strategic Institute of  
Science and Technology

**erc**

**ICREA**

Day	MON JUL 04th	TUE JUL 05th	WED JUL 06th	THU JUL 07th	FRI JUL 08th
8:30	REGISTRATION				
9:00	WELCOME Ignacio Cirac	Lecture	Lecture	Lecture	Lecture
9:15	Lecture Amir Safavi-Naeini	Romain Quidant	Oriol Romero-Isart	Adrian Bachtold	Darrick Chang
10:30	Coffee Break				
11:00	Study Session	Study Session	Study Session	Study Session	Study Session
12:00	Lunch				
13:00	Lecture	Lecture	Lecture	Lecture	Lecture
14:30	Coffee Break	Coffee Break	Coffee Break	Coffee Break & ICFO Poster Session	Coffee Break
15:00	Seminar Auditorium	Seminar	Seminar Auditorium		Seminar
16:00	Lab tours	Lab tours	Lab tours	Free Afternoon	Farewell
17:00	Student Poster Session - NEST hall	Student Poster Session - NEST hall	Transfer to Gothic quarter		
18:00	ICONS social Monday	ICONS social Tuesday	Walking Tour		
20:30			Dinner @ Terrassa Cardona		
22:30			Transfer back to RESA		

**Welcome: Prof. Ignacio Cirac (MPQ, FCLP-IC)**

**Lecturers & Topics:**

- Prof. Amir Safavi-Naeini (Stanford): Optomechanical crystals
- Prof. Romain Quidant (ICFO): Optical trapping and manipulation of nanoparticles
- Prof. Oriol Romero-Isart (Innsbruck): Levitated optomechanics
- Prof. Adrian Bachtold (ICFO): Carbon nanotube and graphene mechanics
- Prof. Darrick Chang (ICFO): Atom-optomechanics