
ICFO Lecturers

November 04, 2025 to November 07, 2025

ICFO Auditorium

Prof. Dr. Turgut Durduran:

[Medical Optics](#)

Develops new optical imaging and monitoring techniques for the non-invasive measurements of the tissue well-being and function for clinical and biomedical applications.

ICREA @ ICFO Professor

Joined ICFO from U Pennsylvania (USA)

Spin-off HemoPhotonics

Coordinator European SC1 (i.e. VASCOVID)

Coordinator European RIA (i.e. TinyBrains)

PI European ICFO-PSP (i.e. BabyLuxi)

Coordinator European ICT (i.e. LUCAi)

Prof. Dr. Maria Garcia-Parajo:

[Single Molecule Biophotonics](#)

Develops advanced nanoimaging techniques to study biological processes at the molecular level.

ICREA @ ICFO Professor

Joined ICFO from IBEC. Formerly at U Twente (NL)

HFSP Advanced Grant 2012

SBE Bruker Prize Biophysics 2017

EPS Emmy Noether Distinction 2021

President of the jury Premis de Barcelona - Experimental Sciences

Scientific Advisory Board, member LabEx Cell(n)Scale, Institute Curie, France

ERC Advanced Grant

Prof. Dr. Michael Krieg:

[Neurophotonics and Mechanical Systems Biology](#)

Studies the importance of cell mechanical properties for health and disease on the molecular

and systems level using optical and optogenetic tools in the roundworm *C. elegans*.

ICFO Professor

Cellex Nest Fellow

Joined ICFO from Stanford University (USA)

Human Frontiers Science. Program CDA Award and HFSP, Research Grant

ERC Starting Grant

ERC Proof of Concept

Prof. Dr. Nicoletta Liguori:

[Photon Harvesting in Plants and Biomolecules](#)

Studies how changes in light, structure and environment regulate the molecular mechanisms of photoactive (bio) molecular systems.

ICFO Professor

Cellex Nest Fellow

Joined ICFO from Vrije Universiteit Amsterdam (NL)

Junior Leader $\frac{1}{2}$ La Caixa $\frac{1}{2}$ Fellowship

Member Young Academy of Europe

Dr. Pablo Loza-Alvarez:

[SLN, Facility Head](#)

Conducts research in bioimaging by developing cutting-edge advanced microscopy imaging techniques. Interest in interdisciplinary research between photonics and biology. Research

Topics: Multimodal light sheet microscopy, Super resolution imaging, Light Sheet

Fluorescence Microscopy, Raman Microscopy, Multiphoton and Confocal Microscopy

Teaching activities

PhD in Laser Physics, University of St. Andrews (UK)

Staff Scientist

SLN Chief