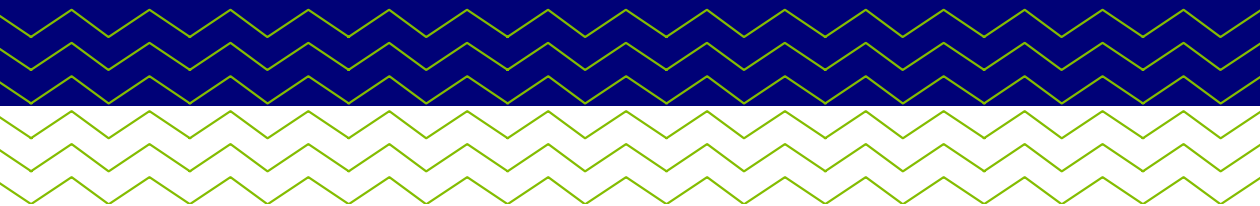


ICFO – The Institute of Photonic Sciences in Numbers



2002

founded by



Generalitat
de Catalunya



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH



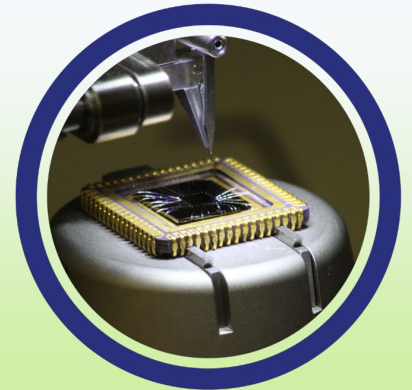
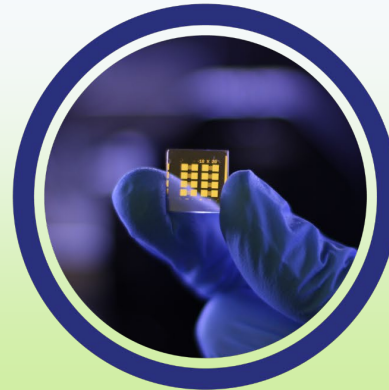
100 Research labs

7 Facilities in NM3 Platform

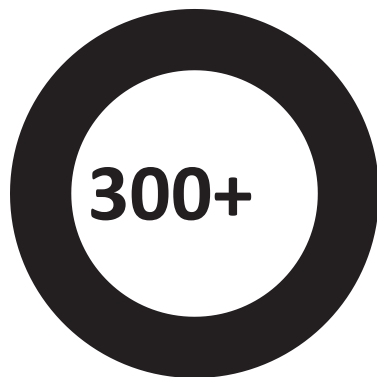
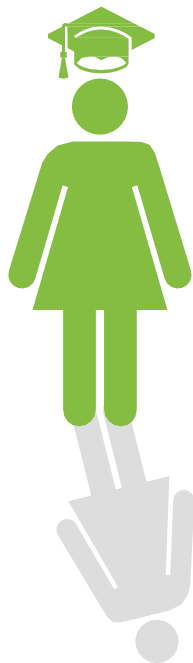
+450 ICFOrians; **+2000** ICFOrians since creation

18000 m2

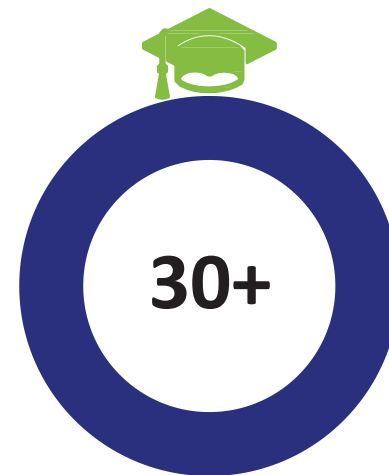
60+ Nationalities – **70%** International



Research Excellence



PhD Graduates



International Student Awards



Research Excellence



50

ERC Grants

- 12 Starting Grants
- 7 Consolidator Grants
- 14 Advanced Grants
- 16 PoCs Grants
- 1 Synergy



EXCELENCIA
SEVERO
OCHOA

2011-2015

2016-2019

2020-2024



110

European Projects

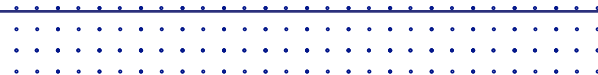
(2007 – 2023)



75

Marie
Skłodowska-Curie
actions

(2007 – 2021)



Research Excellence



75

Marie
Skłodowska-Curie
actions

6 MSCA COFUND Actions as Direct Beneficiaries

ICFONest

ICFONest+

ICFOStepstone 1

ICFOStepstone 2

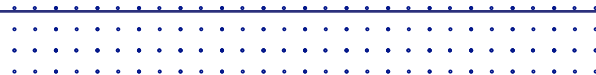
ENLIGHTEN

FLIGHT

2 MSCA COFUND Actions through BIST Consortium

PREBIST

PROBIST





12

spin-off companies
launched



+4

future spin-offs currently
incubating in Launchpad

<p>vitsol Transparent Energy</p>	<p>LUXQUANTA</p>	<p>sixsenso SENSE DIFFERENT</p>
<p>qurv</p>	<p>DROPLITE</p>	<p>QUSIDE</p>
<p>HemoPhotonics Light advances Medical Technology</p>	<p>ProCareLight Light and Laser Safety Solutions</p>	<p>Signadyne</p>
<p>COSINGO Imagine Optic Spain S.L.</p>	<p>RADIANTIS</p>	<p>SENSATO Integrated Atomic Quantum Sensors</p>



12

spin-off companies
launched



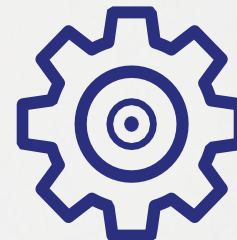
+4

future spin-offs currently
incubating in Launchpad



120+

Patent families



+40

current projects with
industrial partners



+35

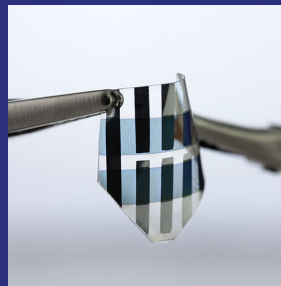
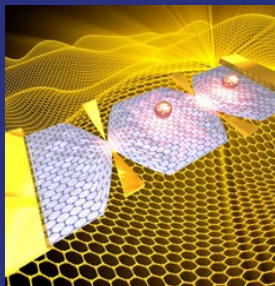
members of Corporate
Liason Program

HORIZON-MSCA-2021-COFUND-01

(MSCA COFUND 2021)

FLIGHT

Fostering Careers in the **LIGHT** Sciences

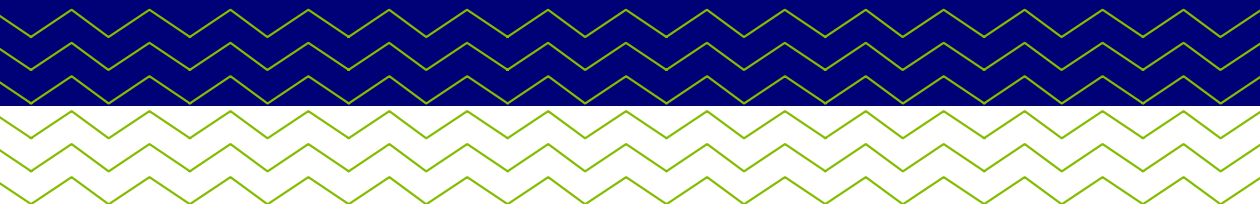


30 PhD Fellowships across 3 PhD tracks to prepare ESRs for their Future career

GA number: 101081441

FLIGHT

Description, Structure &
Management



FLIGHT is a 60-month MCSA COFUND doctoral program that aims at recruiting outstanding early-stage researchers (ESRs) to carry out ambitious PhD-projects at ICFO in one of 3 tracks: Standard, Industrial or Clinical.

❖ FLIGHT aims to foster career mobility of researchers beyond the academic sector. The program includes an extensive training program of multidisciplinary scientific workshops and training events where all Fellows are exposed to the interdisciplinary mix between academic research and industrial/clinical work.

FLIGHT: FOSTERING CAREERS IN THE LIGHT SCIENCES

30 PhD Fellowships across 3 PhD tracks to prepare ESRs for their future career

Enhanced (12 PhDs)	Industrial (11 PhDs)	Clinical (7 PhDs)
<p>Full PhD at ICFO</p> <div style="background-color: #FFD700; padding: 2px; margin-bottom: 5px;">Research lines</div> <ul style="list-style-type: none"> Quantum Science & Technology BioNano & Medical Photonics Advanced & Quantum Materials Energy & Environment Ultrafast Science Light & Matter 	<p>Joint project with industrial or clinical Partner</p> <div style="background-color: #FFD700; padding: 2px; margin-bottom: 5px;">Research lines</div> <ul style="list-style-type: none"> Quantum Technologies Advanced Materials BioNano Sciences Energy & Environment <div style="background-color: #FFD700; padding: 2px; margin-bottom: 5px;">Partners</div> <div style="display: flex; justify-content: space-between; font-size: 8px;"> <div style="text-align: center;"> QUSIDE </div> <div style="text-align: center;"> LUXQUANTA </div> <div style="text-align: center;"> vitsolc <small>Transparent Energy</small> </div> <div style="text-align: center;"> Vall d'Hebron <small>Institut de Recerca</small> </div> <div style="text-align: center;"> SJD Sant Joan de Déu <small>Fundació de Recerca</small> </div> <div style="text-align: center;"> CLINIC <small>BARCELONA Hospital Universitari</small> </div> </div> <div style="display: flex; justify-content: space-between; font-size: 8px; margin-top: 5px;"> <div style="text-align: center;"> sixsenso <small>SENSE DIFFERENT</small> </div> <div style="text-align: center;"> ZEISS <small>PRIMOQUANT</small> </div> <div style="text-align: center;"> IRTA </div> <div style="text-align: center;"> Parc Tauli <small>Institut d'Investigació i Innovació I3PT</small> </div> <div style="text-align: center;"> Parc Sanitari Pere Virgili </div> <div style="text-align: center;"> INEFC <small>Institut Nacional d'Educació Física de Catalunya</small> </div> </div>	<ul style="list-style-type: none"> Imaging Technologies Super-resolution microscopy Medical Photonics: Oncology, Neurodegenerative diseases, Paediatrics, Stroke and brain injuries, Cerebral monitoring

Benefits for ESRs

- + PhD Cohort to exchange interdisciplinary & intersectoral experience
- + Extensive transferrable skills training and career development courses
- + Joint scientific meetings and training program supported by SPIE
- + CARLA photonics careers camps
- + Promotion of gender equality, diversity and inclusion

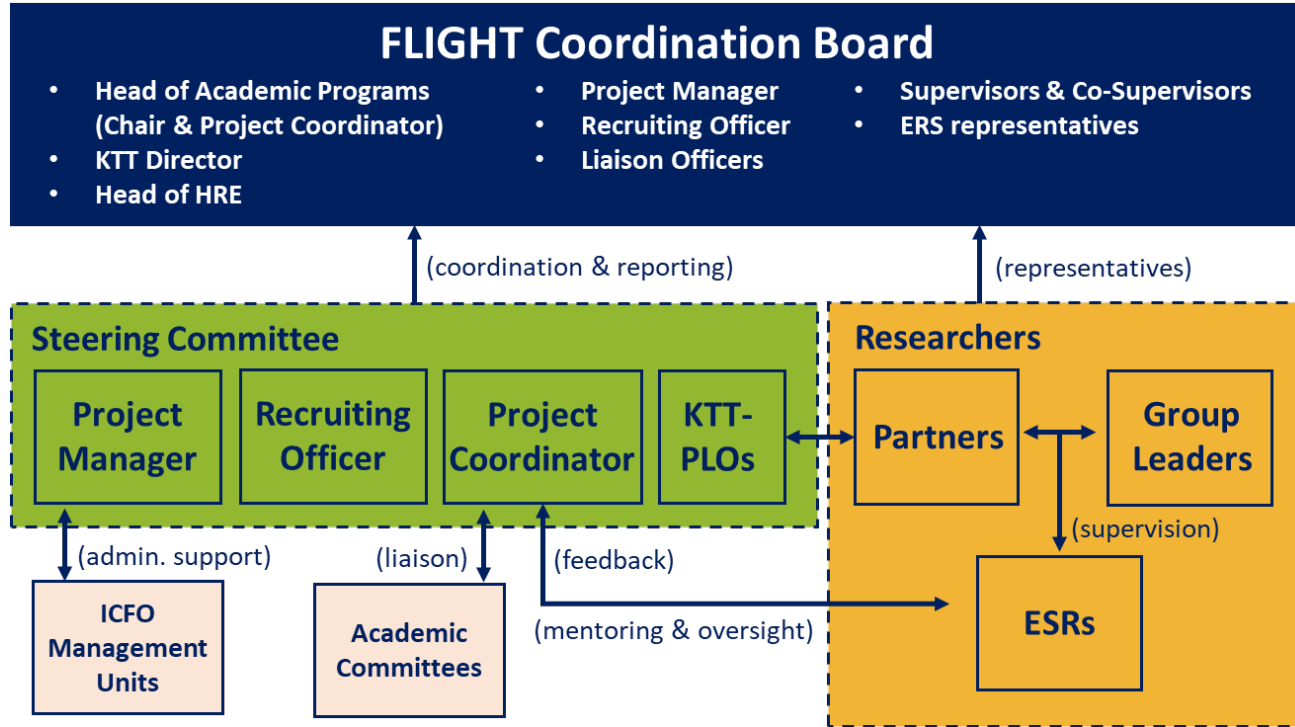
ICFO[®]

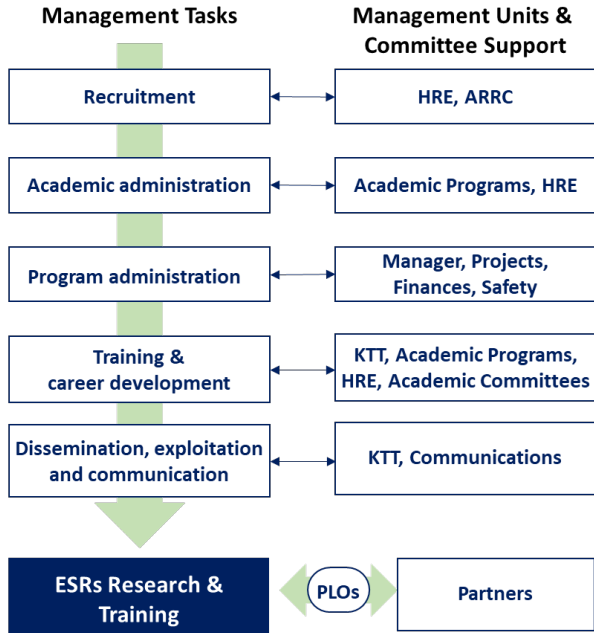
Knowledge & Technology Transfer

KTT



ICFO's bridge to all types of industries, hospitals and corporations





Coordination & Academic Affairs



Rob Paul Giovanna Natalia

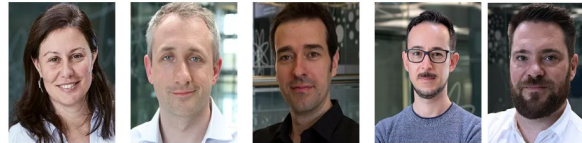
Human Resources



Laia Victoria Anna Ewa

KTT Liaison Officers

Industrial track



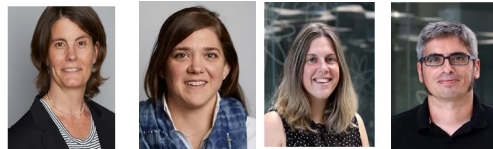
Silvia Alastair Sergi Luis Guillermo Victor

Clinical Track



Miguel Angel Ariadna

Communications



Brook Alina Andrea Jordi

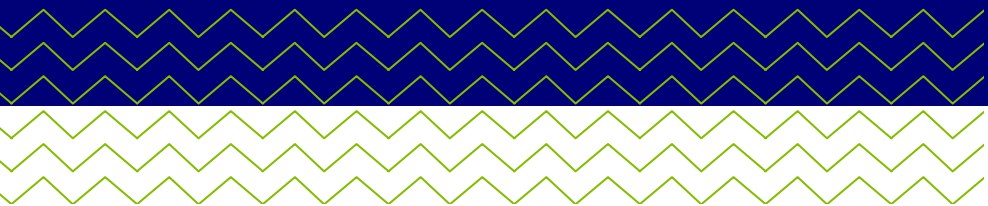
Projects



Núria Gerard Kelin

Plus+ Program

Training & Career Development



FLIGHT Cohort Training

FLIGHT Scientific meetings & Training days

- ❖ FLIGHT Scientific meeting and Training day
- ❖ Barcelona Medical Photonics workshop
- ❖ FLIGHT scientific meeting and Corporate Liaison Program Day
- ❖ FLIGHT Scientific Meeting and Training Day
- ❖ Barcelona Medical Photonics workshop
- ❖ FLIGHT scientific meeting & CARLA photonics careers camp
- ❖ Final Symposium

Plus+

LECTURE SERIES

Theory lectures

ICFO lectures

Bio-talks

TUTORIALS

Python Basic and Advanced

Introduction to Labview

FPGA Lecture for Scientist

EMI debugging

Machine Learning – Advanced modules



PROFESSIONAL DEVELOPMENT COURSES

Effective oral presentations

Becoming a scientific writer

CV writing

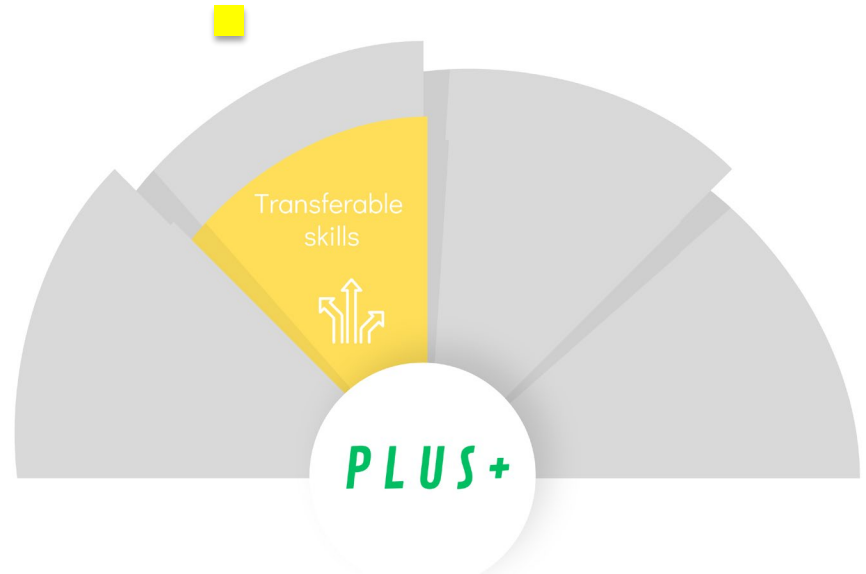
MSCA-IF Workshop & Roundtable

Introduction to Ethics and Research Integrity

Career Week

Scientific Project Management

Thesis writing Bootcamp



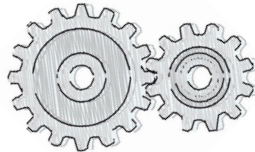


Mentoring Program



Mentors

ICFO Alumni
working
in or outside the academia



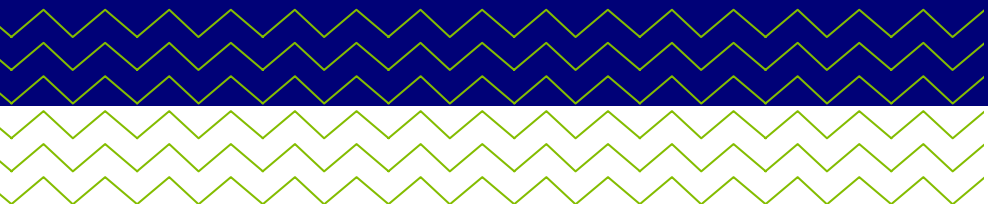
Mentees

3rd and 4th year
PhD students

Career transition
Career development

ICFO

Partners and Secondments



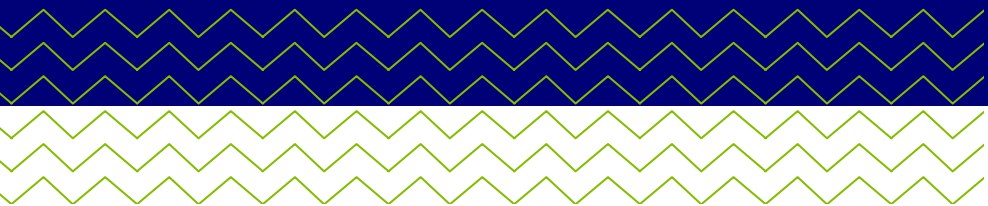
14 Project Partners & 18 joint fellowships



- ✓ Enrolled in the UPC PhD in Photonics >> may be enrolled in another PhD program.
- ✓ Research projects in collaboration with PARTNER organization.
- ✓ Secondments of 6-18 months at PARTNER organization.
- ✓ Joint supervision: one (lead) supervisor at ICFO, and one supervisor at PARTNER
- ✓ Supported by associate partner SPIE - The international society for optics and photonics:
 - Provide expertise on implementation of EDI policies
 - Support for networking, training and career development



Communication Activities



Communication Goals:

- *Aim at promoting the consortium communication efforts*
- *Giving the project and fellows visibility to a broad range of identified stakeholders*
- *Disseminate results of research outcomes of FLIGHT Fellows*

Channels:

Website

- Program Specific information
- Available Projects
- Partner info

Audio-visual communication

- Video introductions of Fellows
- Follow-up documentation on projects and industrial/ clinical collaborations
- Highlight scientific training and the opportunities of the Marie Sklodowska Curie Actions

Website

☐ Fellows' Profile information

Murad Mohammed Abdu Al-Nusaif	Emmanouela Andrioti	Raffaele D'Avino	Katrin Brache	Leo Feldmann	Dibya Jyoti Sarangi
ICFO GROUP: Medical Optics	ICFO GROUP: Organic Nanostructured Photovoltaics	ICFO GROUP: Quantum Information Theory	ICFO GROUP: Photon Harvesting in Plants and Biomolecules	ICFO GROUP: Quantum Photonics with Solids and Atoms	ICFO GROUP: Medical Optics
TRACK: Clinical	TRACK: Enhanced	TRACK: Industrial	TRACK: Industrial	TRACK: Enhanced	TRACK: Clinical
PARTNER: Vall O'Habron		PARTNER: Outside	PARTNER: IRTA		PARTNER: Hospital Clinic

☐ News articles and/or Press Releases related to program, Fellows' achievements, etc. in ICFO's newsroom

News

FILTER

The "Rei Jaume I" 2024 prize in...	Congratulations to New ICFO PhD...	June is PRIDE Month	New ICFOians
04/06/2024	03/06/2024	03/06/2024	30/05/2024

☐ FLIGHT Blog: Reporting on program experience and collaborations

Social Media

- Promotion of calls, disseminate scientific achievements, and news
- Fellows are encouraged to create twitter accounts and share social media accounts from other platforms with the communication unit to maximize all possible channels.

Tags and Accounts:**Twitter:**

- [@ICFOnians](https://twitter.com/ICFOnians)
- [@MSCActions](https://twitter.com/MSCActions)
- [@SPIEtweets](https://twitter.com/SPIEtweets)

LinkedIn:

<https://www.linkedin.com/company/icfo/>

Hashtags

#FLIGHTPhD
#MSCActions