

**Marie Skłodowska-Curie Actions (MSCA)
Innovative Training Networks (ITN)
H2020-MSCA-ITN-2019**

PHAST- ETN

**Photonics for Healthcare: multiscAle cancer diagnosis and Therapy
Grant n. 860185**

Final Meeting Agenda

**Castelldefels (Barcelona)
Thursday, 19th September 2024**

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*ICFO – The Institute of Photonic Sciences, Mediterranean Technology Park, Avinguda
Carl Friedrich Gauss 3, 08860 Castelldefels, Barcelona, Spain*

11:00 – 11:05	Opening and welcome Turgut Durduran, ICFO	5 min.
11:05 – 11:30	Introduction by the coordinator and a brief presentation of the project and the results Daniel Milanese, PHAST Project Coordinator	25 min.
11:30 – 12:30	Plenary speech + Q&A Martin Leahy, University of Galway	60 min.
12:30 – 13:30	Lunch *	60 min.
13:30 – 13:35	Brief introduction of the Work Packages (WP)	5 min.
13:35 – 15:35	ESR presentations (presentation + Q&A, 10 + 5 min.) ESR Fellows (WP1, WP2, WP3)	120 min.
15:35 – 15:55	Coffee break	20 min.
15:55 – 17:10	ESR presentations ESR Fellows (WP4)	75 min.
17:10 – 17:30	Closing remarks by the coordinator	20 min.
17:30 – 17:45	Coffee break	15 min.
17:45 – 18:15	Final supervisors meeting, planning for our next ITN **	30 min.
18:30 –	Farewell beach dinner/party ***	

* Paid by ICFO

** Those who wish to leave earlier can easily catch an 8:30 pm flight

*** Paid partially by ICFO

Work Package 1: In vitro diagnosis

ESR	Title	Presenter	Institution	Time
2	Point-of-care Raman microspectroscopy for detecting tumor markers in body liquids	Edoardo Farnesi	Friedrich-Schiller University Jena (Germany)	13:35 – 13:50
3	Spectral tissue imaging for ex-vivo cancer diagnosis and survey	Pooja Girish	HORIBA FRANCE SAS (France)	13:50 – 14:05

Work Package 2: Tissue diagnostics and functional monitoring

ESR	Title	Presenter	Institution	Time
4	Integrated optical fiber sensors for intravital monitoring	Malhar Nagar	Politecnico di Torino (Italy)	14:05 – 14:20
5	Hybrid diffuse optical monitoring and theranostics with blood flow and oxygen metabolism biomarkers on pre-clinical models	Faruk Bešlija	ICFO – The Institute of Photonic Sciences (Spain)	14:20 – 14:35
6	Time gated diffuse optical spectroscopy for deep tissue diagnostics	Sai Vamshi Krishna Damagatla	Politecnico di Milano (Italy)	14:35 – 14:50

Work Package 3: Microscale cancer monitoring

ESR	Title	Presenter	Institution	Time
7	Multimodal nonlinear imaging for clinical diagnosis in combination with laser tissue ablation for selective tissue removal	Matteo Calvarese	Leibniz – Institute of Photonic Technology Jena (Germany)	14:50 – 15:05
8	Micro-optical imaging system for multimodal non-linear endospectroscopy	Aida Amantayeva	Grintech GmbH Jena (Germany)	15:05 – 15:20
9	Multimodal endo-microscopy for improved in-vivo colorectal cancer diagnosis	Aybüke Calıkoğlu	Albert-Ludwigs Universität Freiburg (Germany)	15:20 – 15:35

Work Package 4: Macroscale therapy effectiveness monitoring

ESR	Title	Presenter	Institution	Time
11	Towards multifunctional multimaterial optical fibers for diagnostic and treatment	Jawad Talekkara Pandayil	Fondazione LINKS (Italy)	15:55 – 16:10
12	Development of advanced online dosimetry algorithms for photodynamic therapy of tumors	Stefan Šušnjar	SpectraCure AB (Sweden)	16:10 – 16:25
13	Diffuse optical monitoring and prediction of neoadjuvant chemotherapy for personalized breast cancer management	Nikhitha Mule	Ospedale San Raffaele (Italy)	16:25 – 16:40
14	Tissue identification for surgical guidance using biophotonics	Daniyal Ghauri	Tyndall National Institute, University College Cork (Ireland)	16:40 – 16:55
15	Micro-camera for hyperspectral imaging for in-vivo probing	Dario Angelone	Tyndall National Institute, University College Cork (Ireland)	16:55 – 17:10