

Graduation of first class of the Master in Quantum Science and Technology

Master's program that launched in 2021 celebrates its graduation and the launch of its second academic year

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In 2021, ICFO, along with leading universities and research institutes in the Barcelona region, announced the launch of a new Master in Quantum Science and Technology (MQST) in Barcelona. The program, aimed at graduates in physics, physical engineering or equivalent degrees who want to continue specialization studies in quantum science and technologies, gives access to cutting-edge theoretical and experimental research in the fields of quantum sensing, communication, computing and simulation. It likewise boasts direct connections to industry through the QuantumCAT community and the participation of high-tech companies in the teaching program, focusing on the future integration of students in both academic and industrial sectors.

Friday September 9th marked both the graduation of the students in the first year of the MQST and also the inauguration of its second edition. UB Prof Bruno Julia, coordinator of the MQST reflected "This Master's program is the result of a coordinated effort by the whole

quantum community in Catalonia and we are all extremely happy and proud of both our students and lecturers. We have all worked together to make this first edition of the Master successful. Today, we look forward to the new adventures of the second promotion while we wish the very best for the careers of our fantastic newly graduated students".

ICFO's active participation in this Master illustrates the institute's leadership in the international quantum ecosystem. **Training of the next generation of scientists and technologists is an integral part of the institute's mission and will also help to support the growth, leadership and innovation potential for the future of quantum technologies in Europe**. Prof Robert Sewell, Head of Academic Affairs at ICFO, confirms that i¿½the MQST studen s have made important inroads towards careers that will allow them to be part of the ongoi g quantum revolution. We are grateful for their contributions and proud to have been part f the first steps of their journeyi¿½.

Paula Alonso is a MQST graduate who will continue to advance in the field by pursing her PhD at ICFO in the Optoelectronic research group led by ICREA Prof Valerio Pruneri. Regarding her experience in the Master, she comments that i¿½The MQST program's assets, in my opinion, are its enormous selection of electives on cutting-edge topics in quantum, the organizations and universities that support it, and the numerous possibilities for networking. Moreover, I gained a lot of knowledge, and felt highly supported while enjoying the Master with my classmates.i¿½