

# Autumn 2022 PhD Program

## Call for application – PhD grants in quantum sciences and technologies in Grenoble

We are opening in Grenoble a common PhD call in quantum sciences and technologies supported by the LANEF Excellence Laboratory, the QuanTEdu PhD program operated by the QuantAlps federation and the QuanG Marie-Sklodowska-Curie Action COFUND program of the European Union.

We are seeking talented and motivated applicants in the domains of physics, computer science, engineering, mathematics, chemistry, and humanities. Applications from female candidates are strongly encouraged.

### Practical information

- Starting date of PhD: February 1<sup>st</sup> 2023 to June 1<sup>st</sup> 2023
- Net salary including healthcare insurance (prior to income tax deduction): 1715 Eur/month, additional mobility and family allowances will be granted by the QuanG program when applicable
- Yearly enrollment to University Grenoble Alpes is around 500 euros (not covered)
- Duration: 36 months
- Application procedure: candidates should construct a PhD project together with their future supervisors following the instructions detailed in the application form (found [in the call page](#)). Two reference letters following the model proposed in the application form should be sent directly to the email address: [quantum-grenoble-phd@listes.grenoble.cnrs.fr](mailto:quantum-grenoble-phd@listes.grenoble.cnrs.fr)
- Eligibility criteria and scientific areas depending on the funding scheme:

PhD Program	LANEF	QuanG	QuantEdu
Scientific areas	<ul style="list-style-type: none"> <li>- Quantum materials</li> <li>- Nano-physics and quantum engineering</li> <li>- New frontiers in cryogenics</li> </ul>	<ul style="list-style-type: none"> <li>- Quantum materials</li> <li>- Quantum technologies and devices</li> <li>- Quantum computing and software</li> <li>- Quantum enabling technologies</li> <li>- Interdisciplinary topics in quantum sciences (applied mathematics, mathematical physics, computer science, electrical engineering, philosophy and sociology)</li> </ul>	<ul style="list-style-type: none"> <li>- Quantum matter</li> <li>- Quantum engineering and hardware</li> <li>- Quantum information and software</li> <li>- Key enabling technologies</li> </ul>
Eligibility criteria	<ul style="list-style-type: none"> <li>- Synergy between two different laboratories of LANEF</li> <li>- Co-funding with QuanG, same eligibility criteria as QuanG also apply</li> </ul>	<ul style="list-style-type: none"> <li>- EU MSCA mobility criteria</li> <li>- Industrial or foreign academic secondments</li> </ul>	Should in priority contribute to the following fields: <ul style="list-style-type: none"> <li>- Quantum computing</li> <li>- Quantum simulation</li> <li>- Quantum communication</li> <li>- Quantum sensing and metrology</li> </ul>

- Deadlines and timeline:
  - October 7<sup>th</sup>, 2022 at 17:00 (central European time): the full application form and the reference letters should be sent by email to [quantum-grenoble-phd@listes.grenoble.cnrs.fr](mailto:quantum-grenoble-phd@listes.grenoble.cnrs.fr)
  - November 7<sup>th</sup>, 2022: selection of candidates for an interview
  - December 7<sup>th</sup> to 14<sup>th</sup>, 2022: interview of the selected candidates
  - December 19<sup>th</sup>, 2022: information on the outcome of the selection
  - January 3<sup>th</sup>, 2023: acceptance of the positions will be required from the selected candidates