

# LANEF PhD Program

Fall 2014 Call for application

## LANEF: Lab Alliances on Nanosciences - Energies for the Future

LANEF associates five fundamental research labs, and identifies common objectives between these labs in the domain of nanosciences, energies for the future and nanosensors for healthcare. It enhances the synergy between the different teams acting towards these objectives, and fosters connections with R&D. With this PhD program, LANEF offers new opportunities for students to join these teams.

### Description

LANEF PhD Program is a three year program to support PhD training of excellent students. The thesis will be prepared in one of the five laboratories on a topic related to one or several of the following fields:

- Photonics and semiconductors
- Quantum nanoelectronics
- Advanced superconductivity
- Nanosensors and nanomaterials for health and biology
- Experimental Facilities
- Spintronics and nanomagnetism
- Breakthroughs for electrical energy
- New frontiers in cryogenics
- Theoretical and Computational Physics

The net salary is 1450 €/month during 36 months, including healthcare insurance (income tax not deducted). If you agree to undertake light additional duties (such as teaching, for example) your net salary may be risen up to 1690€/month.

### The applicants

The program is open to highly talented and motivated students of any nationality. Students from different backgrounds (biology, chemistry, physics, engineering, mathematics) who can demonstrate a strong interest in the fields of LANEF are welcome. Applicants should have a master's degree and must be fluent in English language. They must have found a future PhD supervisor in [one of the 5 laboratories of LANEF](#) and propose a thesis project together.

A thesis project based on synergies between the 5 laboratories, or enhancing collaborations with R&D, healthcare laboratories, or companies will have greater chances to be selected by our evaluation Committee.

### How to apply

Candidates are invited to visit the LANEF's webpage dedicated to the "PhD Program":

<http://www.grenoble-lanef.fr/spip.php?rubrique3>

to find guidelines for application and contacts. The application form template is to be downloaded from that webpage and sent [by email](#) to LANEF before **2014, October 5 - 6pm**.

Regular calls - about 2 per year - will be organised in the future. The five laboratories also offer internships at the advanced master level.

LAB ALLIANCES ON NANOSCIENCES - ENERGIES FOR THE FUTURE

25, rue des Martyrs - 38042 Grenoble Cedex 9 FRANCE - <http://www.grenoble-lanef.fr>

