Notre offre de formation évolue ! Les programmes pour l'année 2027-2028 sont en cours de mise à jour et peuvent évoluer jusqu'au 28 novembre 2026. Les programmes de l'année universitaire 2026-2027 restent consultables en cas de besoin.

SCIENCES, TECHNOLOGIES, SANTÉ, INGÉNIERIE

Parcours Nanomedicine and structural biology 2e année

Master Nanosciences et nanotechnologies

Université Grenoble Alpes

Niveau d'étude visé
Bac +5

ECTS
60 crédits

Durée
1 an

Composante
Grenoble INP - Phelma (Physique, électronique et matériaux), UGA

Langue(s) d'enseignement
Anglais

Présentation

This master is entirely taught in English. This track is devoted to the new technologies in medical imaging involving nano- or molecular markers, as well as the therapeutic use of nano-particles. Taught courses include general biology courses mainly directed at students joining the program in the second year. It also includes a number of courses dealing with the various methods of medical imaging from magnetic resonance to X-rays, image processing issues, nano- and molecular markers, and courses in structural biology.

This track aims to prepare students for the challenges and innovations that are emerging at the border medicine nanoscience, including exploiting nanotechnology and nanomaterials for medical imaging and therapeutics. It also aims to train students to research in structural biology, a strong pole in Grenoble environment with the presence of large instruments and the European Molecular Biology Laboratory EMBL.

Formation internationale : Formation tournée vers l'international

Dimension internationale

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Admission

Conditions d'admission

Informations non contractuelles.
Dernière mise à jour le 30 juin 2026

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- Entry in 1st year : National diploma conferring the degree of license in a field compatible with that of the master ; title or acquired recognized equivalent by the admissions committee of the University of Grenoble Alpes
- Access to master 2nd year : Basics in molecular and cellular biology, in physics of semi-conductors, in NMR, in optics and electromagnetism are required. Also, the candidate should prove sufficient english level (CEFR (B2), TOEFL (IBT 87-109), IELTS (5.5-6.5), TOEIC (785-945) or equivalent)
- Engineer / Master dual degree accessible to Phelma engineering degree students who have validated the 2nd year of Biomedical engineering field of study

Candidature

Do you want to apply and register ? Note that the procedure differs according to the diploma envisaged, the diploma obtained, or the place of residence for foreign students. Let yourself be guided simply by following this link

Les + de la formation

- Training in collaboration with LIPhy, CEA-LETI-DTBS, GIPSA-Lab, LMGP, GIN, IBS, ESRF, EMBL.

Lieu(x) ville

Grenoble

Campus

Grenoble - Domaine universitaire

Infos pratiques

Contacts

Responsable pédagogique

Franz Bruckert

Franz.Bruckert@grenoble-inp.fr

Gestionnaire de scolarité

Laurence Printant

Laurence.Printant@grenoble-inp.fr

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Programme

Spécificités du programme

Program under construction - depending CFVU vote

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