



Sant'Anna
Scuola Universitaria Superiore Pisa

CALL FOR ONE TECHNOLOGY EXPERT

Sant'Anna School for Advanced Studies – Pisa

Job Position

Sant'Anna School for Advanced Studies announces a public selection based on qualification and competitive exams for one technology expert, following art. 24-bis of L. 240/2010; the contracts will run for 24 months, with placement in D grade, economic position D3. This role will provide both technical and managerial support to the project: *"BRIEF - Biorobotics Research and Innovation Engineering Facilities"*.

Main duties and activities

As part of the research activities funded through the **National Recovery and Resilience Plan (PNRR)**, supported by the **European NextGenerationEU programme**, the School needs one professional figure capable of providing both administrative and technical support to the project.

The figure being sought will contribute to the setting-up of the CELLMO (Molecular Biology and Cell Models Laboratory) and PATCHO (Patch Clamp Laboratory) Labs as part of the BRIEF project and will help to verify the logistical and operational aspects of the structure, providing support for the acquisition and set-up of new equipment, the organization of the microscopy laboratory and the cell culture laboratory, as well as the organization of the bio-archive for the storage of cells and other biological samples. The figure being sought will also provide support to the management and monitoring of the sample repository and the safety aspects (for example, archive of chemical data sheets, waste management, emergency equipment).

The figure will perform complex analysis with the use of advanced technology equipment requiring special training and qualification, and which also include the basic preparation of the tools.

The figure will manage scientific experimentation that may include:

- Measurement of expression of proteins and/or genomic and transcriptomic markers.
- Molecular biology experiments that require isolating and manipulating nucleic acids and proteins, including high-throughput and single-cell analysis.
- Context-appropriate functional and feasibility tests; cell biology experiments, including primary and immortalized cell cultures, organoid generation, including human, and organ-on-chip with ips technology, for pharmacological testing and bio-technological applications.
- Use of bioreactors for cell cultures and organoids.
- Optical and confocal imaging.

The figure being sought may also contribute to the set-up of preparations for electrophysiology in single isolated living cells, sections of tissue or fragments of cell membranes, for vitality and



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functional analysis. The unit will also take care of the acquisition and processing of data in terms of registration, updating and management.

Admission Requirements

Applicants must hold:

- Master's degree in Biology or Medical, Pharmaceutical and Veterinary Biotechnologies.
- At least two years (also if not continuous) of documented job experience in pertinent fields.
- Excellent knowledge of English and good knowledge of Italian.

Application and attachments

Candidates are requested to apply here: <https://pica.cineca.it/santanna/tipologia/pta>.

Attachments:

- Resume/Curriculum vitae;
- Copy of ID;
- Certified translation of the degree certificate.

Deadline for applications: 21/02/2023

Tests schedule will be announced before 28/02/2023.

For further information please contact the Administration and Technical Staff Office, +39 050 883552/577, e-mail: concorsi@santannapisa.it

For technical issues, please contact the CINECA support at the following footer: <https://pica.cineca.it/santanna>.

The full version of this Call is available only on the Italian version of the Sant'Anna School website.



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