



## One Research Positions available at University of Genova

One research position for 1 year will be soon available at the Department of Experimental Medicine (DIMES), University of Genova (Genova, IT) in the group of Prof. Sveva Bollini (Scopus ID: 22933852600; <https://orcid.org/0000-0003-1076-0823>), starting from 1st March 2024.

We are looking for a Candidate willing to work on a project recently funded by the MUR programme PRIN PNRR entitled: “[RECOVERY: pREcise Cardiac Organ-on-chip modeling to improve extracellular VEsicle-based paracrine therapy against myocardial Injury](#)”.

The project focuses on pin pointing the anti-fibrotic and pro-regenerative effects of extracellular vesicles (EVs) secreted by human perinatal progenitors and delivered via an optimized injectable hydrogel system to a fully human cardiac organ-on-chip model where human iPSC-derived cardiac micro-tissues can be induced to a fibrotic phenotype.

This interdisciplinary project combines stem cell biology, paracrine effects, tissue engineering and biomedical engineering and it will be developed in close collaboration with Prof. Marco Rasponi, from Politecnico di Milano and Prof. Valeria Chiono from Politecnico di Torino, as RECOVERY PI and other Partner, respectively.

The Candidate will benefit from the dynamic environment of the labs of the Experimental Biology Unit at the Department of Experimental Medicine, School of Medicine of the University of Genova, located within IRCCS Ospedale Policlinico San Martino area in central Genova. The research group has access to state-of-the-art equipment including imaging, flow cytometry and NGS facilities.

The ideal Candidate should have as minimum requirement a Master Degree in a field related to biomedical sciences (i.e. biotechnology, biomaterial science, tissue engineering or equivalent) with at least one-year of previous relevant research experience in the field of cell biology and regenerative medicine. PhD degree in a relevant field would be especially valued. Expertise in stem cell-EV biology and in vitro models of cardiac disease would be particularly appreciated.

The Candidate will design, conduct, analyze and interpret experiments. Self-motivation, critical thinking, problem solving skills and team-work attitude are highly important. The candidate should possess good organizational, time management and communication skills for collaborating with the project partners. Technical skills required include cell culture and isolation of primary cultures from tissue, biochemical and molecular assays.



English communication skills are also mandatory.

The position is a one-year contract to start with, with the possibility of renewal, contingent upon acceptable job performance. The application and review processes are expected to be carried out at the very beginning of 2024 with the final interview for the selected Candidates expected in early February 2024.

Interested Candidates should send their CV, a brief statement of research interest, and two names of references with contact information as soon as possible to Prof. Bollini: [sveva.bollini@unige.it](mailto:sveva.bollini@unige.it)

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