

POST-DOCTORAL RESEARCHER POSITION IN TARGETSLAB RESEARCH GROUP AT UNIVERSITY OF GIRONA

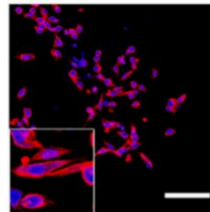
Application deadline: 30.11.2023

Number of vacancies: 1

Job description:

The multidisciplinary research group TargetsLab_Oncology is led by Dr. Teresa Puig, full professor at the Medical School of the University of Girona, in the Medical Sciences Department. TargetsLab_Oncology collaborates actively with oncologists from Catalan Institute of Oncology (ICO_Girona) and engineers and chemists from other research groups of the University of Girona. The mission of TargetsLab_Oncology is the development of innovative systems to test new cancer therapies, seeking solutions for the most aggressive cancers. The lab is located in the Science and Technological Park of the University of Girona. The research team's latest publications are shown here:

- 10.1016/j.biopha.2022.113942
- 10.1002/cac2.12282
- 10.1038/s41598-022-23655-2
- 10.1016/j.mtbio.2021.100155
- 10.3390/cancers13215320



The candidate will be involved in researching new approaches for the study and the treatment of breast cancer. The project will be related to the development of 3D structures for the formation of tumoroids and the enrichment of cancer stem cells, as well as the screening of new therapies for the treatment of chemo-resistant cells. The candidate will also be involved in the analysis of biopsies of breast cancer in collaboration with oncologists and pathologist from Dr. Josep Trueta University Hospital. As part of this research line, the selected person will use molecular biology techniques, NGS analysis, and will work with *in vitro* models (2D and 3D cell culture) and human specimen.

The candidate will participate actively in the management of the different projects of the research group and will develop academic content and teach theoretical and practical sessions in the University of Girona. The selected person will supervise and coordinate undergraduate and graduate students. Moreover, the candidate has to be highly motivated with good communication skills, initiative, creative, teamwork, and has high degree of autonomy and critical and analytical thinking. High quality publications will be highly considered.

Requirements:

- PhD in Molecular Biology, Biomedicine, Bioengineering or any related scientific area.
- Experience in oncology, molecular and cellular biology, and 3D cell culture (necessary).
- Experience with additive manufacturing will be desired.
- Proficiency speaking and writing skills in English.
- At least one publication as first author in international journals.

Additional information:

- Full-time position, 40 hours/week.
- You will have the opportunity to work in a multidisciplinary team and participate in different projects, some of them related to oncology patient samples.
- For more information about TargetsLab_Oncology, please visit: <https://www.udg.edu/ca/grupsrecerca/TargetsLab-oncologia>

Application:

Full applications with subject "Post-Doctoral Researcher Application" should be sent via email to teresa.puig@udg.edu in a single PDF file until 30th November 2023. The application must include:

- A cover letter with a brief description of past scientific achievements and academic goals (2 pages max.)
- A recent CV (with publication record).
- List of two independent references with contact details (full address, email, and telephone number).