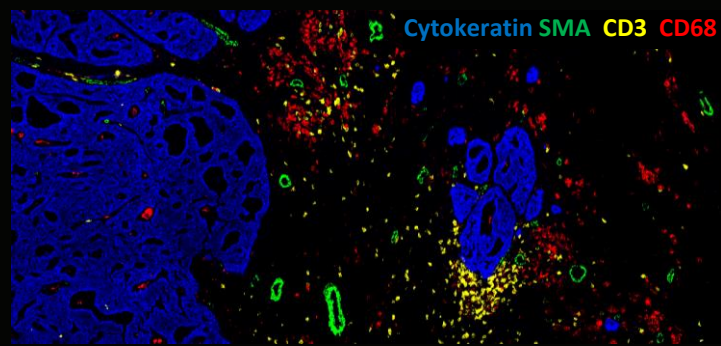


iMM-Laço Hub is recruiting a Research Technician

The iMM-Laço Hub, a structure dedicated to the study of breast cancer, opens a call to hire a Research Technician to join the project “*Multi-Dimensional Cartography of the Breast Cancer Micro-Environment*”.

In 2020, over 600 000 women died from breast cancer worldwide. Treatment of breast cancer, in particular metastatic, raises many challenges, due to resistance to available therapies. The development of novel, or combinatorial, treatments for breast cancer is an urgent unmet clinical need. Our goal is to create an unprecedented map of human breast cancer that will encompass the **genetic identity** of the tumour cells (whole genome/exome sequencing) and the **specific gene expression** profile of immune/stromal cells (RNA-seq and multiplexed imaging). In addition, **fluorescent microscopy using multiplexed imaging** (simultaneous staining of up to 50 makers) will be used to determine the architecture of the human breast cancer tissue and assess the local **tumour/immune/stromal cell crosstalk**. With these multi-dimensional approaches, we aim to unravel the major parameters and pathways that can be targeted to limit breast cancer progression.





The successful candidate must be a **highly motivated, pro-active, independent, gregarious and versatile** individual to join our multi-disciplinary team. He/She should be passionate about iMM-Laço Hub’s missions of bringing hope to the women who are diagnosed with breast cancer.

THE PRINCIPAL ACTIVITIES INCLUDE:

- Manipulating biological human samples (blood, tumour biopsies and specimens)
- Extracting DNA and RNA for sequencing
- Performing multiplexed imaging with microscopy
- Reporting results to a multidisciplinary team and jointly interpreting them
- Collaborating with MSc and PhD students
- Participating in the outreach and science communication activities of the iMM-Laço Hub

THE REQUIRED SKILLS AND QUALIFICATIONS WILL BE HIGHLY VALUED:

- Master in cancer biology, immuno-oncology, immunology will be appreciated, but not mandatory
- Experience in DNA and RNA extraction 
- Experience in staining tissue section on slides for fluorescent microscopy and acquisition 
- High organization skills and strong work ethics (care, rigor, consistency, intellectual honesty)
- Willingness to work independently to design and perform experiments
- Proficiency in English, spoken and written, and excellent communication skills

Ref application: IMM/CT/46-2022
<http://imm.medicina.ulisboa.pt/jobs>

HOW TO APPLY:

Please submit your detailed CV, motivation letter, Master/Licence degree certificate (if applicable) and contacts of 3 references, from 17th of April 2022 until 30th of May 2022 through iMM website, by clicking in the “**Apply**” button below the position job ad.

iMM-Laço Hub is recruiting a Research Technician

The successful candidate will be integrated in a collaborative team constituted by **immuno-oncologist** (Dr. Karine Serre¹⁻³) with **clinician-scientists** specialised in breast oncology (Prof. Luis Costa⁴, Dr. Rita Teixeira Sousa⁵), as well as experts in **cancer-induced angiogenesis** (Dr. Sérgio Dias⁶), **computational biology** (Dr. Nuno Morais^{4,7}), and **microbiology** (Prof. Isabel Sá-Correia⁸).

References:

1. Silva-Santos, B., **K. Serre**, and H. Norell. 2015. $\gamma\delta$ T cells in cancer. *Nat. Rev. Immunol.* 15: 683–691.
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3. Kubo, H., S. Mensurado, N. Goncalves-Sousa, **K. Serre**, and B. Silva-Santos. 2017. Primary tumors limit metastasis formation through induction of IL15-mediated crosstalk between patrolling monocytes and NK cells. *Cancer Immunol. Res.* 1–10.
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6. Gregório, A. C., M. Lacerda, P. Figueiredo, S. Simões, **S. Dias**, and J. N. Moreira. 2018. Therapeutic Implications of the Molecular and Immune Landscape of Triple-Negative Breast Cancer. *Pathol. Oncol. Res.* 24: 701–716.
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8. Hassan, A. A., S. C. dos Santos, V. S. Cooper, and **I. Sá-Correia**. 2020. Comparative Evolutionary Patterns of Burkholderia cenocepacia and B. multivorans During Chronic Co-infection of a Cystic Fibrosis Patient Lung. *Front. Microbiol.* 11.



<http://immlaco.org>

WHAT IMM OFFERS:

iMM will offer outstanding working conditions, including an unfixed-term full-time contract, starting predictably in July 2022, and the possibility to work in the interface between hospital and biomedical institute on clinical and basic research. iMM will also offer access to state-of-the-art infrastructures, namely Biobank and Imaging Units.

EVALUATION CRITERIA:

Applications will be evaluated by Dr. Sérgio Dias, Dr. Nuno Morais and Dr. Karine Serre in accordance with the following method:

- 1st Phase: Curricular evaluation 45%; Motivation Letter 20%
- 2nd Phase: Interview 35%

WORKING CONDITIONS:

The employment contract has a predicted initial duration of 12 months (possibly extendable to a maximum of 48 months). Gross monthly salary is between **1040€** or **1200€** in accordance with the CV and experience of the successful candidate. The indicated amount will be subject to the mandatory taxes accordingly to Portuguese Labour Law.

NOTIFICATION OF RESULTS:

The results will be published in iMM website <http://imm.medicina.ulisboa.pt/en/>

Ref application: IMM/CT/46-2022
<http://imm.medicina.ulisboa.pt/jobs>

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