

## Research Assistant or Research Associate (Cancer Immunology) (Fixed Term)

Department of Pathology

Applications are invited for an enthusiastic Research Assistant or Research Associate to be a core member of the lab of Dr. Heather Machado in the Department of Pathology, University of Cambridge. The Machado Lab is interested in how tumour and immune cells co-evolve and contribute to cancer progression. We use methods from evolutionary genetics and multi-omic datasets to study questions such as the timing of the immune response to cancer, the role of inflammation on remodeling the immune response to cancer, and the somatic evolution of the immune response to immunotherapy.

We are searching for a researcher to spearhead laboratory protocol establishment and lead the lab's data generation efforts. Primary responsibilities include tissue processing, flow cytometry, sequencing library preparation and protocol optimization. Applicants should have superb organizational skills and the ability to work independently. The successful applicant should have a bachelor's degree in biological sciences or a related area (PhD for Research Associate) and at least 2 years of relevant laboratory experience.

Knowledge, Skills and Experience **required** for the Role:

- General molecular biology skills (e.g. PCR, DNA/RNA extraction)
- Flow cytometry (or eagerness to learn)
- Protocol troubleshooting
- Excellent organizational skills, including the detailing of experiments and results
- Excellent oral and written communication skills
- The ability to organise time and work independently
- Enthusiasm to interact with colleagues in a multi-disciplinary and collaborative environment

Knowledge, Skills and Experience **desired** for the Role:

- Tissue dissociation (e.g. tumour)
- Flow cytometry of immune cell populations
- Isolation of peripheral blood mononuclear cells
- Sequencing library construction
- Familiarity with programming in R

The Research Assistant (grade 5) salary falls within the range £29,605 - £33,966 and Research Associate (grade 7) salary falls within the range £36,024 - £44,263. Funding is available for 3 years in the first instance but may be extended (subject to satisfactory performance) should suitable funding be secured. Start date: September 2024 – February 2025.

For more information on the research of the laboratory, please see <http://www.machado-lab.org>. Email [hm8@sanger.ac.uk](mailto:hm8@sanger.ac.uk) with informal enquiries or specific questions about the role.