Postgraduate Research Assistant in Tumor Immunology / Oncology (Chiorazzi Lab)

The Chiorazzi Lab at Yale School of Medicine, Department of Medicine, Section of Medical Oncology, seeks a post-graduate research assistant to participate in studies investigating tumor-immune interactions. Our focus is on how the tumor microenvironment contributes to successful or failed immune responses. We collect and study tissues from cancer patients and use advanced humanized mouse models to probe these questions. We work in close collaboration with the laboratory of Richard Flavell in the Department of Immunobiology, allowing for co-mentorship and participation in educational and research activities across departments. We are looking for motivated, enthusiastic individuals for bench and mouse experiments; opportunities also include patient-facing roles speaking with and collecting samples at Smilow Cancer Hospital.

**Education:** The student will participate in small group journal clubs together with other members of the Flavell lab, including graduate students and post-doctoral fellows. With close mentorship from the PI, the post-graduate will have opportunity to present data during lab meetings, as well in small group meetings devoted to Humanized mice and other immunology topics. This experience will build the foundation for designing and performing experiments in basic and translational research, vital for a future career in cancer research. In addition, the student will regularly attend Research in Progress talks as well as departmental Seminars in the Immunobiology Department as well as Yale Cancer Biology Institute and Center of Molecular and Cellular Oncology.

**Training:** The student will receive one-on-one training in the following scientific techniques: Basic tissue culture; mouse handling, husbandry, colony management, genotyping; basic molecular biology techniques such as quantitative PCR and Western blots; preparation of mouse and human tissues for and single-cell RNA sequencing; use of basic software/statistical tools such as Adobe Photoshop, Illustrator, etc. with an opportunity to develop advanced programming/data analysis skills.

**Mentoring:** The student will work closely with Dr. Chiorazzi and other Flavell Lab members to investigate mechanisms of tumor-immune interactions. Goals for the student will be discussed at the outset of the term, with periodic discussions to evaluate and refine those goals. Training and Education will be tailored specifically to the student’s immediate and long-term aspirations and career plans. The ultimate goal is to create an experience that is rewarding and engaging for the successful applicant and foster their scientific, professional, and/or educational advancement. There will be direct one-on-one meetings with Dr. Chiorazzi at least twice per week. This is an ideal position for a candidate who eventually seeks to enroll in an MD, MD/PhD, or PhD program; also possible to complete Masters thesis work as part of this experience.

**Qualifications:**

*Required qualifications:*
- BA/BS degree or equivalent
- enthusiastic and collaborative researcher
- some experience with laboratory bench research (e.g., cell culture, molecular biology)
- flexible schedule—able to rarely work evenings and weekends

*Preferred qualifications (not required):*
- knowledge/experience in immunology research, especially flow cytometry
- experience with bioinformatics/statistics

We are hiring on an ongoing basis; anticipated start date can be as soon as December 1, 2022 (flexible). The term for the position is 1 year, with flexibility and possibility to extend to 2 years.

Interested candidates should forward a CV and cover letter with the names and email addresses of two references to: michael.chiorazzi@yale.edu.