



SCHOOL OF ARTS AND SCIENCES

Chemistry

POSITION TITLE: Postdoctoral Research Associate

GENERAL SUMMARY: The Mace Lab in the Department of Chemistry at Tufts University (macelab.org) seeks a postdoctoral research associate whose primary responsibilities will be to lead the development and translation of point-of-care diagnostic technologies, which include: (i) a self-test to quantify HIV viral load and (ii) disposable cytometers to enumerate cell counts in blood.

The candidate should have a strong background in assay development and demonstrated experience with (i) molecular assays (e.g., PCR, LAMP, HCR, DNA logic gates) and (ii) immunophenotyping and cell separation (e.g., flow cytometry, MACS). Preference will be given to those candidates having previous experience using human blood, operational understanding of, or familiarity with, microfluidics, device design, and materials science principles, and CAD and statistical analysis software.

The candidate should have an interest in learning to manage highly collaborative research efforts with academics, clinicians, and industrial partners. The candidate will contribute to preparing grant proposals and reports, writing manuscripts, and mentoring graduate and undergraduate students. The position will be available starting immediately. The initial appointment will be for one year, conditionally renewable for an additional period of 1-2 years pending regular progress evaluation and continuity of funding.

QUALIFICATIONS: Ph.D. in chemistry, biochemistry, biomedical engineering, or a related field; strong technical expertise, demonstrated independence in the design and execution of experiments, creativity, ability to work collaboratively with partners across institutions, excellent communication skills, dedication to mentoring and outreach.

HOW TO APPLY: Candidates should email Prof. Charlie Mace: charles.mace@tufts.edu. Your email should contain a cover letter briefly describing your background and research interests as specifically related to this position, an updated CV, and the names and contact information for three references who might be contacted for recommendations. Review of applications will begin immediately.

EQUAL EMPLOYMENT OPPORTUNITY STATEMENT: Tufts University, founded in 1852, prioritizes quality teaching, highly competitive basic and applied research, and a commitment to active citizenship locally, regionally, and globally. Tufts University also prides itself on creating a diverse, equitable, and inclusive community. Current and prospective employees of the university are expected to have and continuously develop skill in, and disposition for, positively engaging with a diverse population of faculty, staff, and students.

Tufts University is an Equal Opportunity/Affirmative Action Employer. We are committed to increasing the diversity of our faculty and staff and fostering their success when hired. Members of underrepresented groups are welcome and strongly encouraged to apply. Read the University's [Non-Discrimination statement and policy](#). If you are an applicant with a disability who is unable to use our online tools to search and apply for jobs, please contact us by calling Johny Laine in the Office of Equal Opportunity (OEO) at 617-627-3298 or at johny.laine@tufts.edu. Applicants can learn more about requesting reasonable accommodations at <http://oeo.tufts.edu>.