

## **Overall Responsibilities:**

The Zhang Lab (zlab.bio) at the Broad Institute of MIT and Harvard is looking for full-time Research Associates with a passion for learning to join our creative, diverse, and dynamic research team. The Zhang lab is broadly focused on developing programmable therapeutics and working to improve human health and wellbeing. Examples of this work include biodiscovery efforts to discover and engineer novel biological systems for use as molecular tools, development of new modes of gene and protein delivery, and exploring ways to program cellular functions to combat disease.

This position offers an excellent opportunity to directly participate in an exciting and fast-paced field of research, and develop intuitions for identifying impactful scientific problems. The successful candidate will work closely with a small team of scientists, learning a variety of laboratory skills, including cutting-edge molecular biology techniques, protein purification and biochemistry assays, and rigorous data analysis. Beyond the bench, the successful candidate will also have the opportunity to develop scientific communication skills, both written and oral, and learn how to tackle complex scientific problems.

Ideal candidates demonstrate deep intellectual curiosity, have strong organizational and communication skills, cherish team work, and desire to strive for excellence. Previous experience in molecular biology research is preferred but not required; the ideal candidates stand out not for what they have done but for what they are capable of accomplishing. The majority of previous Research Associates from the Zhang lab have co-authored high-impact publications and have been admitted to Ph.D. and M.D./Ph.D. programs at top universities including Harvard, MIT, Stanford, Johns Hopkins, and UPenn.

The Zhang lab is a member of the Howard Hughes Medical Institute, the Broad Institute of MIT and Harvard, the McGovern Institute at MIT, and a part of the greater Boston life-science community including MIT and Harvard. Our lab is a fun, generous, nurturing, stimulating, fast-paced, impact-driven, and collaborative environment. We are a unique multidisciplinary lab working to bridge fundamental biology and development of biotechnology to improve human health.

The Broad Institute of MIT and Harvard offers an outstanding place to work. The workplace culture is diverse, dynamic, progressive, and supports a healthy work-life balance. To support this mission, the Zhang Lab strives for a workplace culture that supports diversity, intellectual curiosity, flexibility, and integrity. Broad employees receive a generous benefits package (including a highly competitive salary, dental, vision and health insurance, retirement plan, and additional benefits) and a range of possibilities for career advancement. Details on our benefits package can be found [here](#).

## **Characteristic Duties and Responsibilities:**

- Design and execute research plans, analyze data, and communicate scientific results to team members at regular project update meetings
- Perform molecular biology techniques, including nucleic acid purification, molecular cloning, DNA/RNA purification, PCR, and gel electrophoresis
- Develop and execute cell-based assays to validate delivery vehicles both *in vitro* and *in vivo*
- Prepare next generation sequencing libraries and analyze the results
- Work dynamically and flexibly with team members to move projects forward, and pitch in around lab when needed
- Troubleshoot scientific problems with guidance
- Prepare, order, and maintain stocks of necessary reagents and supplies
- Maintain mammalian cell lines

## **Requirements:**

- A bachelor's degree in molecular/cellular biology, neurobiology, chemistry, or a related field with lab experience
- Ability to critically read, interpret, and adapt scientific literature
- Strong organization, documentation, and time management skills
- Ability to build excellent working relationships and foster collaboration in a team environment
- A minimum 2-year commitment is required

The Broad Institute will not offer visa sponsorship for this opportunity.

**Please send your resume/CV, a brief statement of interest (less than 200 words), and the contact information for at least 2 references as a single PDF to [ZhangRecruiting@broadinstitute.org](mailto:ZhangRecruiting@broadinstitute.org).**