

**Department of Microbiology and Molecular Genetics  
Michigan State University**

**Research Associate**

**Position Summary**

We are seeking a highly-motivated Research Associate (Post-Doc) to join Dr. Yu Zhang's laboratory in the Department of Microbiology and Molecular Genetics at Michigan State University. The focus of the Zhang lab is to identify mechanisms that promote antibody diversification and suppress associated oncogenic lesions in B lymphocytes. The research associate will majorly work on a project investigating how 3D genome organization impact the processes of antibody diversification. The project will employ cell line and mouse models with a variety of state of art approaches, including CRIPSR/Cas9 mediated genome manipulation and various next generation sequencing techniques. For more information, please check Dr. Zhang's website and recent publications at: <https://mmg.natsci.msu.edu/people/faculty/zhang-yu/>

This is a full-time, 12-month fixed-term position with reappointment contingent on satisfactory performance and available funding.

**Equal Employment Opportunity Statement**

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, citizenship, age, disability or protected veteran status.



**Department of  
Microbiology &  
Molecular Genetics**

Biomedical Physical Sciences  
567 Wilson Road, Room 2209  
East Lansing, MI 48824-4320

**Required Degree**

Doctorate

**Minimum Requirements**

Applicants should have a Ph.D. in Molecular Biology, Genetics, Immunology or a related field and at least one first-author research paper on peer-reviewed journals is required.

**Desired Qualifications**

The successful applicant will have experience in molecular biology and genetics. Experience with next generation sequencing, mouse models and immunology are preferred, but not required.

**Required Application Materials**

Please submit a cover letter with a description of research interest and accomplishments, a curriculum vitae, and the contact information of three references to <http://careers.msu.edu> posting #843205.

Please contact Dr. Yu Zhang at [y Zhang22@msu.edu](mailto:y Zhang22@msu.edu) with any questions.

## **Together-we-will Statement**

The university is requiring all MSU students, faculty and staff to be vaccinated against COVID-19 with limited exceptions. Learn more at: <https://msu.edu/together-we-will/>

## **Summary of Health Risks**

Some duties in this position may include exposure to human blood, serum, tissue, work with animals or unfixed animal tissue, ethedium bromide and other risks that have been identified by Environmental Health and Safety.

## **Website**

<https://mmg.natsci.msu.edu/>

## **MSU Statement**

Michigan State University has been advancing the common good with uncommon will for more than 160 years. One of the top research universities in the world, MSU pushes the boundaries of discovery and forges enduring partnerships to solve the most pressing global challenges while providing life-changing opportunities to a diverse and inclusive academic community through more than 200 programs of study in 17 degree-granting colleges.