**Instructor of Biochemistry Laboratory course**

**Position Summary:** The Department of Biochemistry and Molecular Biology (BMB) at Michigan State University is seeking an outstanding candidate for a 12-month fixed-term (non-tenure stream) faculty position to manage day-to-day operations and participate in instruction of one new intermediate level undergraduate biochemistry laboratory course offered in the fall, spring, and possibly in the summer semesters. The Department admits approximately 100 undergraduate students each year, and currently offers 100-, 200- and 400-level undergraduate courses. This new 300-level course will emphasize basic quantitative laboratory skills and data analysis, using biochemical methods and principles for the study of proteins and nucleic acids. This faculty member will work in a collaborative team to deliver lectures, assist in grading laboratory notebooks and reports, and other course assessments, and will be responsible for maintaining all grading records. Specific duties for this course include preparation, testing, and set-up of laboratory materials and reagents, maintenance of laboratory stocks/strains, basic repair and maintenance of laboratory equipment, and in-class oversight of students’ progress in conducting experiments during laboratory sessions. Additional duties may include assisting faculty in current on-line courses, participating in Discipline-Based Education Research, curriculum development, and subject matter pedagogy. The College and Department are committed to building and supporting an equitable and inclusive community of faculty, staff, and students. Those identifying as underrepresented in STEM fields are strongly encouraged to apply.

The missions of the Department of Biochemistry & Molecular Biology at Michigan State University are to discover and transfer new knowledge about the molecular basis of life through basic biomolecular science research and cross-disciplinary research and training, while enhancing quality teaching and maintaining a collegial environment. Additional information about the Department including descriptions of current courses can be found at https://bmb.natsci.msu.edu/.

It is the policy of MSU that all employees be vaccinated against COVID-19 before they begin employment. Proof of the COVID-19 vaccine is required of all individuals hired by MSU, to be verified after an offer of employment has been made, and as part of the background check process. Prospective employees may submit a request for exemption based on a religious and/or medical basis, to Human Resources.

**Salary:** Salary is commensurate with experience

**Qualifications:** A doctorate in biochemistry, molecular biology, or other related field and at least one year of teaching experience in laboratory courses at the baccalaureate level.

**Degree Requirements**: Doctorate.

**Required Experience:** Demonstrated experience in laboratory course instruction in the fields of biochemistry, molecular biology, protein purification and enzymology. Experience in using and maintaining a range of biochemistry laboratory instruments. Proficiency in the use of Microsoft Office products including MS Word, Excel, and PowerPoint, as well as Adobe Acrobat (or their equivalent).

**Desired Experience:** Experience in scholarship of teaching and learning programs (SOTL), discipline based educational research (DBER) or curriculum development. Experience in development and deployment of on-line instruction.

**Application:** Applicants should submit the following documents to jobs.msu.edu (posting #739839):

* cover letter
* curriculum vitae
* scientific writing sample (e.g., research manuscript, medical communication, technical report, science blog post, news article)
* teaching portfolio (limited to 10 pages) consisting of a brief narrative describing past roles and responsibilities (e.g., sample preparation, instrument maintenance and repair, etc.)
* teaching philosophy with documentation of philosophy implementation (such as syllabi, assessments, student evaluations, and/or personal reflections) and contributions to Diversity, Equity, and Inclusion (DEI)

The applicant should also provide contact information for 3 references in the cover letter. Please direct questions regarding the position to Dr. Min-Hao Kuo, Chair of the Search Committee (kuom@msu.edu).