

Tenure-track Faculty Positions in Biology Education

Department of Biology Teaching and Learning
The College of Biological Sciences &
The College of Education and Human Development
University of Minnesota, Twin Cities

The [College of Biological Sciences](#) and the [College of Education and Human Development](#) at the [University of Minnesota](#) announce up to five tenure-track positions in Biology Education at the level of assistant professor, with the potential to hire at the tenured associate level. These positions were created to complement the already existing strengths in the newly created Department of Biology Teaching and Learning. We wish to identify candidates who will contribute to our mission of research in biology education and collaboration with colleagues in the STEM Education Center; teaching of undergraduate, graduate, and other students; and biology-relevant outreach to K-12 constituents. The successful candidates will have experience in biology research, biology education research, and innovative, evidence-based teaching. Specific research areas of interest include:

- Course-based authentic research experiences in biology (undergraduate and/or K-12 level)
- Faculty and/or teacher development
- Team-based, project-based, and/or inquiry-based learning
- Equitable, inclusive teaching; performance gap solutions
- Strategies to promote retention & graduation in STEM fields

We encourage faculty at all stages of their career to apply.

Duties & Responsibilities:

Research: We are interested in filling several positions with people who are passionate about both biology and biology education research. The successful candidate will develop a strong, extramurally-funded and collaborative research program that creates, extends, and/or explains the mechanism of effective approaches to biology education, K-20.

Teaching: The successful candidate will develop a program of scholarly, innovative, and collaborative teaching of undergraduate and graduate students in the College of Biological Sciences, College of Education and Human Development, and associated masters and Ph.D. programs. At least one position will work extensively with in-service teachers to help them develop and implement authentic research experiences in their classrooms. Specific teaching responsibilities will emphasize evidence-based approaches and include courses in biology and pedagogy, and STEM education in alignment with the candidate's training. Successful candidates will supervise Ph.D. students and postdocs who are directly appointed under their responsibility or who work in cooperation with a research/teaching team.

Appointment:

Depending on the scholarship of the candidate, the primary tenure home may be in either the College of Biological Sciences or the College of Education and Human Development. All new faculty will be invited to affiliate and collaborate with faculty and students in the STEM Education Center (<http://www.cehd.umn.edu/stem/>). This research-focused center is housed in the College of Education and Human Development. The center focuses on four main areas of STEM education: 1) STEM integration, 2) learning and cognition, 3) research on instructor preparation, and 4) evaluation and assessment. Joint appointments in other appropriate departments may be possible. The individuals hired will be appointed into full-time, academic year (9-month) tenure-track or tenured positions at the rank of assistant or associate professor. The anticipated starting date is August 25, 2015 and salary is competitive and commensurate with experience. Applicants seeking to be hired as a tenured associate professor must demonstrate a record of scholarship that meets the criteria for tenure at the University of Minnesota.

Qualifications:*Required Qualifications:*

- Ph.D. (or foreign equivalent) in a biology discipline and/or science education
- Publication record in disciplines related to the position
- Evidence of implementation of research-based, high-quality teaching
- Evidence of commitment to equity and diversity
- Potential to initiate and sustain a strong research program in biology education
- Track record of interacting creatively, collaboratively, and productively in a research team
- Ability to communicate effectively with multiple audiences

Desirable Qualifications:

- Demonstrated innovation in evidence-based teaching
- Teaching experience in K-12 schools (required for at least one position)
- Experience teaching at the post-secondary level
- Record of participating in community/school collaborations or other forms of public engagement

Potential Tenure Department:

Biology Teaching and Learning
Curriculum and Instruction

Environment:

Founded in 1851, the University of Minnesota, with its five campuses and 67,932 students, is one of the largest, most comprehensive universities in the United States, and ranks among the most prestigious research universities in the world. It is both a major research institution, with scholars of national and international reputation, and a state land-grant university, with a strong tradition of education and public engagement.

The University of Minnesota-Twin Cities campus has extensive research and teaching facilities; active-learning classrooms, genomics core facilities, field research stations, greenhouses, museum collections, herbarium and laboratories. The campus is located in the heart of the Minneapolis-Saint Paul metropolitan area, which is rich in cultural and natural attractions.

Application Process:

This position will remain open until filled, but the search committee will begin its review of applications by September 25, 2014; we expect to start interviewing in early December. Application materials need to be submitted online; applications cannot be considered until all of the following materials have been uploaded:

- Cover letter highlighting qualifications relevant to research, teaching, and outreach, including an explanation of how the applicant meets the required (and desirable, if appropriate) qualifications of the position including experiences in K-12 schools
- Curriculum vitae
- Statement of teaching philosophy
- Statement of current and proposed science education research (not to exceed three pages)
- Electronic copies (in PDF format) of the two most recent publications, and up to two additional publications that the candidate considers to be highest impact in their remaining portfolio
- List of at least three, but no more than five references; please be certain that references have agreed to speak to the qualifications sought in this position and have agreed to be contacted by a member of the search committee

Any offer of employment is contingent upon the successful completion of a background check. Our presumption is that prospective employees are eligible to work here. Criminal convictions do not automatically disqualify finalists from employment.

To access and apply for this position either:

1. Copy/Paste the URL into your browser:
<http://employment.umn.edu/applicants/Central?quickFind=123143>
2. Visit the University of Minnesota Employment System at: <https://employment.umn.edu> and search for Requisition Number: 193373

The University of Minnesota provides equal access to and opportunity in its programs, facilities, and employment without regard to race, color, creed, religion, national origin, gender, age, marital status, disability, public assistance status, veteran status, sexual orientation, gender identity, or gender expression. The University supports the work-life balance of its faculty and especially encourages applications from women and members of underrepresented groups.