**160920 Biochemistry and Molecular Biology Postdoc Ad**

Subject: Biochemistry/Molecular Biology Education Research Postdoc at Nebraska

Postdoctoral Research Associate Position in Biochemistry and Molecular Biology Education Research at the University of Nebraska - Lincoln.

The successful candidate will develop interactive teaching modules and assessments focused on enhancing student understanding of biological processes as dynamic systems using simulation-based models as part of ongoing efforts to transform undergraduate biochemistry education. This postdoc will be part of an NSF-funded collaboration led by Karin van Dijk, Rebecca Roston, and Tomas Helikar from the Department of Biochemistry and Brian Couch from the School of Biological Sciences. They will also join a vibrant community of discipline-based education researchers at Nebraska.

Applicants must have completed a Ph.D. in biochemistry, molecular biology, biology education, or a related field by the start of the appointment. Preferred applicants will have interests in or experience with biology education research, technology-driven interactive teaching, student assessment, multivariate statistical analyses, concept maps, and/or simulation software tools. Successful candidates must have excellent oral and written communication skills and be able to work independently as well as collaboratively with the project leaders and other faculty.

Responsibilities:

* Develop and review simulation-based learning activities (including instructions and rubrics; NOTE: previous experience in computational modeling is not required, although it is welcome)
* Assist with the integration and troubleshooting of the activities and curriculum in the classroom
* Manage the integration of the curriculum in an on-line platform for community-driven dissemination
* Work with the group and faculty to identify core concepts for assessment and to ensure all curriculum and assessment is accurate and up-to-date
* Work closely with software design experts by providing feedback to help develop an on-line technology that will facilitate the delivery and use of simulation-based content in a highly intuitive fashion.

Initial appointment is for one year with the possibility of renewal. Applications should include (1) a cover letter, (2) a one-page summary of the applicant’s educational research interests, (3) a curriculum vitae, and (4) three letters of recommendation. All materials should be emailed to Tomas Helikar (thelikar2@unl.edu). Application review will begin on February 15, 2017, and will continue until the position is filled. Anticipated start will be in May 2017 (although it can be sooner or later based on mutual agreement).

The University of Nebraska-Lincoln is an equal opportunity/affirmative action employer. Women, minorities, veterans, and disabled persons are encouraged to apply.