

The Wheelock College of Education & Human Development at Boston University (BU) is seeking applications for a qualified postdoctoral associate to work under the mentorship of Drs. Nathan Jones and Lynsey Gibbons (BU) and Drs. Julie Cohen, Robert Berry, and Vivian Wong (University of Virginia) on an NSF-funded research grant. Research activities focus on improving the preparation of elementary mathematics teachers to support students with disabilities. Specifically, the candidate will work with the BU/UVA research team to:

- a) Convene a panel of national experts to define effective mathematics practices for students with disabilities;
- b) Develop mathematics curricular materials for mixed-reality simulations and related supports to improve preservice elementary teachers' mathematics teaching;
- c) Test the effectiveness of the simulations and related education curricular materials in a multi-site randomized control trial

The selected Candidate will be located at the Boston University site and will have a leadership role on this project. Initial appointment will be for 2 years, with opportunities to extend this initial contract. The salary for this position is supported by a research grant from NSF and funds from this grant are distributed on an annual basis. Thus, the continued appointment is contingent upon receiving the fund from NSF, which has already been pledged for 4 years and which we are confident will be received.

In year 1, responsibilities will include preparing for the expert panel by creating preliminary resources, co-developing interview protocols, supporting analysis of panel proceedings, and participating in collaborative research on best practices for mathematics in special education. In year 2, the Postdoctoral Associate will work with the research team to develop curricular materials on the findings of the panel, including the design of mixed reality simulations. Across both years, the Associate will have opportunities to publish emerging findings from our research study.

In addition, within this role, the Associate will receive (a) mentored professional development, independent writing, and grant development; (b) immersion in large-scale research; (c) research training; and (d) tailored professional development geared towards the Associate's career aspirations (e.g., teaching, university leadership experience). University teaching opportunities may be available, if desired.

Qualified applicants will have obtained a doctoral degree in a social science field with a focus on a relevant discipline (e.g., special education, mathematics education, teacher education, instructional design, educational policy) by the start of the position. Those with a demonstrated publication record or excellent writing ability and a background in relevant fields are strongly encouraged to apply. Experience with project management, quantitative and qualitative methods is a plus, as is prior experience working in an elementary classroom and/or with elementary-aged students and pre-service teachers.

Please send: (1) a cover letter that briefly summarizes qualifications, research experience, and career goals, in particular experiences in mathematics and/or special education; (2) a complete curriculum vitae; (3) 1-2 publications or writing samples; and (4) two letters of recommendation (at least one from a faculty advisor or mentor). Application materials should be submitted electronically to Dr. Nathan Jones (ndjones@bu.edu). Review of applications will begin immediately and continue until the position is filled.

The desired position start date is Summer 2021, and we will begin reviewing applications October 15, 2020.