

Postdoctoral Fellowship University at Buffalo

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Downloaded On: May. 3, 2025 8:03am

Posted Mar. 7, 2025, set to expire Jul. 3, 2025

Job Title Postdoctoral Fellowship
Department Learning and Instruction
Institution University at Buffalo
Buffalo, New York

Date Posted Mar. 7, 2025

Application Deadline 11/04/2025
Position Start Date Available immediately

Job Categories Post-Doc

Academic Field(s) Secondary Education
Science Education
Math Education
Elementary Education
Curriculum/Instruction

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Job Description

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Postdoctoral Fellowship

Position Information

Position Title: Postdoctoral Fellowship
Department:

Postdoctoral Fellowship University at Buffalo

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Learning and Instruction

Posting Link: <https://www.ubjobs.buffalo.edu/postings/53875>

Job Type: Full-Time

Posting Detail Information

Position Summary

The [Department of Learning and Instruction](#) at the [University at Buffalo](#) (SUNY) invites applications for a full-time, **12-month Postdoctoral Fellowship**. The ideal candidate will contribute to a three-year National Science Foundation funded project (Award #: 2314260), STEMcyclists: Black and Brown Youth Transforming Science and Engineering via Bikes. This AISL, university-community collaboration project is a sustainable and capacity-building collaboration of researchers and three urban bike-centered community organizations (GObike Buffalo, Slow Roll Buffalo, and the Buffalo United Front, Inc.s East Side Bike Club-ESBC) that engages urban Black and Brown youth in a three-year, transformative informal STEM learning experience centered on the medium of the bike and biking.

Specifically, cohorts of youth-rising ninth and tenth graders-will be recruited from within the City of Buffalo, NY, to participate in culturally sustaining, place-based activities during a two-week summer institute and three fall and two spring Saturday sessions. The individual will report directly to and be mentored by Dr. Noemi Waight, lead PI, and will be based at the University at Buffalo (SUNY), Buffalo, New York.

Though not a hard requirement, we encourage applications from individuals who have a history with riding bicycles and are comfortable riding with groups. Training on bicycle riding and safety will be provided if requested, and the project supports adaptive cycles (such as tricycles, recumbents, and hand cycles) for applicants who require them.

Responsibilities include but not limited to:

- The postdoctoral fellow will work closely with the PI and other team members, including our community partners.
- The postdoctoral fellow will be involved in all phases of the STEMcyclists project for three years including project planning, design, development and implementation of a 2-week summer institute and fall/spring Saturday sessions.
- The postdoctoral fellow will also assist the PIs with data collection, analysis, manuscript preparation, and dissemination including publishing and presenting at STEM-related conferences.
- Communicate with community partners, youth, parents/guardians, and school officials to recruit

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youth participants; parent orientation on the STEMcyclists program, organization and participation in project-related planning meetings and events that include youth, their families, and community partners; as well as, creating and maintaining the administrative infrastructure for the project.

- Prepare and publish manuscripts for publication and dissemination at relevant conferences
- Assist with grant administration
- Assist with grant proposal preparation
- Provide clear and regular communication to the PI on research progress, technique, and findings
- Under the guidance of the supervisor/mentor, provide training on research techniques and methods
- Present work at conferences and program reviews
- Collect and analyze data related to the STEMcyclists program
- Ensure IRB requirements are met within the project
- Work independently as well as with supervisor/mentor and coordinate project activities with graduate research assistants

This position is based on grant funding and will be reviewed year to year up to 3 years.

Review of Applications will begin January 15, 2025, and continue until position is filled. The candidate will ideally start on April 1st, 2025 (start date is negotiable).

A background check is required for this position.

Outstanding Benefits Package

Working at UB comes with benefits that exceed salary alone. There are personal rewards including comprehensive health and retirement plan options. We also focus on creating and sustaining a healthy mix of work, personal and academic pursuit - all in an effort to support your work-life effectiveness. We support your growth and development through our career coaching and training department and we qualify as a public service loan forgiveness organization. Learn more about the great [benefits](#) the University at Buffalo has to offer.

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About The University at Buffalo

The University at Buffalo (UB) #ubuffalo is one of Americas leading public research universities and a flagship of the State University of New York system, recognized for our excellence and our impact. UB is a premier, research-intensive public university dedicated to academic excellence. Our research, creative activity and people positively impact the world. Like the city we call home, UB is distinguished by a culture of resilient optimism, resourceful thinking and pragmatic dreaming that enables us to reach others every day. Visit our website to learn more about the [University at Buffalo](#).

As an Equal Opportunity / Affirmative Action employer, the Research Foundation will not discriminate in its employment practices due to an applicants race, color, religion, sex, sexual orientation, gender identity, national origin and veteran or disability status.

Minimum Qualifications

- PhD in Science Education, Engineering Education, or STEM Education, awarded in the last five years
- Demonstrated experience conducting qualitative and/or mixed methods research
- Demonstrated knowledge of culturally sustaining STEM approaches, asset- and place-based pedagogies; Anti-racist approaches for Black and Brown Youth STEM learning; Critical technology pedagogies; and/or university-community partnerships.
- Demonstrated experience working with Black and Brown youth via previous teaching and learning experiences at the K-12 level and/or working in out-of-school programs

Preferred Qualifications

- Experience planning, designing, and enacting empirical STEM research
- Experience and knowledge of culturally sustaining STEM approaches, asset- and place-based pedagogies; Anti-racist approaches for Black and Brown Youth STEM learning; critical technology pedagogies; and/or university-community partnerships.
- Experience with grant processes and reporting for National Science Foundation
- Experience leading a research team and disseminating reports and findings
- Sustained collaborations with a diversity of community-based organizations and/or embedded in communities different from oneself
- History of publications in STEM education domain
- Familiarity with bicycles and STEM; enjoy biking (optional)

Salary Range

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\$50,000

Special Instructions Summary

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A background check is required for this position.

Documents needed to apply:

- Cover Letter (required)
- Resume (required)
- One Research Writing Sample (optional)

Is a background check required for this posting?

Yes

Contact Information

Contact's Name: Dr. Noemi Waight

Contact's Pronouns:

Contact's Title: PI, Professor and Search Chair

Contact's Email: nwright@buffalo.edu

Contact's Phone: 716-645-4045

Posting Dates

Posted: 11/04/2024

Deadline for Applicants: Open Until Filled

Date to be filled: 01/02/2025

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Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

N/A

University at Buffalo

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