

**Postdoctoral Associate
University at Buffalo**

Direct Link: <https://www.AcademicKeys.com/r?job=264606>

Downloaded On: Nov. 1, 2025 12:17pm

Posted Oct. 29, 2025, set to expire Aug. 4, 2026

Job Title Postdoctoral Associate
Department Geography
Institution University at Buffalo
Buffalo, New York

Date Posted Oct. 29, 2025

Application Deadline 10/28/2026
Position Start Date Available immediately

Job Categories Post-Doc
Post-Doc

Academic Field(s) Geography
Geography

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Job Description

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Postdoctoral Associate

Position Information

Position Title: Postdoctoral Associate

Department: Geography

Posting Link: <https://www.ubjobs.buffalo.edu/postings/59721>

Job Type:

Postdoctoral Associate University at Buffalo

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Full-Time

Posting Detail Information

Position Summary

Prof. Sean Bennett in the Department of Geography seeks a Postdoctoral Associate to support fundamental research on geophysical flows. The work consists of developing and expanding the use of physical models to examine flow, turbulence, sediment transport, and/or biological agents that occur on hillslopes, in concentrated flows, and within and near rivers. The postdoctoral associate will employ state-of-the-art experimental techniques, innovative methodologies, and/or numerical models to make fundamental advances to existing literature.

Duties will include but are not limited to:

- Helping develop novel experimental campaigns to explore the interactions between turbulent flow and sediment transport.
- Helping develop novel experimental campaigns to explore the swimming capabilities, upstream movement, and schooling behavior of relatively small fish as they navigate complex turbulent flow fields.
- Using novel analytical techniques for data processing, using numerical models of varying complexity to expand parameter space, and using and/or developing agent-based models for the movement and behavior of fish in rivers.
- Presenting material at conferences, writing research papers for publication, and/or assisting in preparing grants for funding agencies.

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 our [benefit packages](#).

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

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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

Doctoral degree in an area related to Geography, Earth Sciences, Environmental Sciences, or Engineering.

Preferred Qualifications

- experience in the use of experimental facilities and hydraulic flumes
- experience in data compilation and analysis of turbulent flow and sediment transport
- experience with particle image velocimetry or similar technologies
- experience with computing languages and using 2D and 3D numerical models
- experience with presenting at conferences and writing journal papers and grants

Physical Demands

Salary Range

\$50,000 - \$55,000

Special Instructions Summary

All application materials should be submitted via UB Jobs. Application materials submitted directly to the posting contact will not be acknowledged and cannot be considered.

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Is a background check required for this posting?

No

Contact Information

Contact's Name: Sean Bennett

Contact's Pronouns:

Contact's Title: Professor

Contact's Email: seanb@buffalo.edu

Contact's Phone: 716-645-0490

Posting Dates

Posted: 10/28/2025

Deadline for Applicants: Open Until Filled

Date to be filled:

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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