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# WPI

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#### JOB TITLE

Postdoctoral Fellow

#### LOCATION

Worcester

#### DEPARTMENT NAME

Biology & Biotechnology

#### DIVISION NAME

Worcester Polytechnic Institute - WPI

#### JOB DESCRIPTION SUMMARY

We seek to hire a postdoctoral researcher to join our interdisciplinary research team. The ideal candidate will primarily contribute to the development of novel microbial and cell-free biosensing systems for chemical contaminants in soil. The candidate's research will contribute to broader improvements in the development of biosensing platforms for a variety of sensing applications including environmental contamination, food safety, and water safety. The position will provide ample opportunity for exploration into cross-disciplinary research initiatives, such as novel biomaterial development, clean energy systems, and water contaminant sensing and remediation systems.

Research funding for the postdoctoral position is secured for 18 months, with a likely extension for a total of 3-4 years. Due to funding restrictions, applicants must be U.S. citizens.

#### JOB DESCRIPTION

Responsibilities:

An interest in interdisciplinary research, synthetic biology, genetic engineering, and the exploration and development of microbial and cell-free biosensing systems are essential. In addition to original research resulting in quality publications on the above topics, the postdoctoral scholar will also assist in managing the project, directing the research of undergraduate and graduate students, coordinating research across the team, and preparing project deliverables for the sponsor.

Requirements:

- PhD in biological science or a closely related field
- Broad experience in standard molecular biology techniques (please describe in cover letter)

- Experience with novel assay development (please describe in cover letter)
- Creativity and mental flexibility to ideate new methods of biological measurement and troubleshoot experimental systems
- Interest in, and general familiarity with, synthetic biology
- Demonstrated ability to work independently and achieve project goals
- Interest in training and mentoring undergraduate students

Founded in 1865, WPI is one of the nation's first technological universities. A highly selective private university located within an hour of Boston, WPI is consistently ranked among the top 70 research institutions by US News & World Report. The university is home to an innovative and intensive project-based curriculum that empowers students with the knowledge and skills to address real world problems around the globe, an approach repeatedly cited for excellence by The Fiske Guide to Colleges and The Princeton Review. Located in the heart of New England, WPI is surrounded by cultural and recreational opportunities. The University of Massachusetts Medical School, a large number of technology companies, and many colleges and universities are located in the immediate area, making it ideal for two-career families. WPI and the Farny Lab are committed to diversity and inclusion in research and in higher education. Women and underrepresented minority candidates are particularly encouraged to apply.

Applications will be considered until the position is filled.

To apply, please upload a cover letter, CV, a statement of research interests, and the names and contact information of three references.

Inquiries should be directed to: Dr. Natalie Farny (mailto:nfarny@wpi.edu) in the Department of Biology and Biotechnology

#### FLSA STATUS

United States of America (Exempt)

WPI is an Equal Opportunity Employer. All qualified candidates will receive consideration for employment without regard to race, color, age, religion, sex, sexual orientation, gender identity, national origin, veteran status, or disability. We are seeking individuals with diverse backgrounds and experiences who will contribute to a culture of creativity and collaboration, inclusion, problem solving and change making.

To apply, visit: <https://apptrkr.com/1431886>

#### About WPI

WPI is a vibrant, active, and diverse community of extraordinary students, world-renowned faculty, and state of the art research facilities. At WPI, we have competitive and comprehensive benefits, including health insurance, long-term care, retirement, tuition assistance, flexible spending accounts, work-life balance and much more.

#### Diversity & Inclusion at WPI

WPI is committed to creating an inclusive workplace where everyone feels valued and respected; a place where every student, faculty and staff member can be themselves, so that

they can study, live, and work comfortably, to reach their full potential, and make meaningful contributions in order to meet departmental and institutional goals. WPI thrives on innovative practice and welcomes diverse perspectives, insight, and people from diverse lived experiences, to enhance the community environment and propel the institution to the next level in a competitive, global marketplace.

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