

**Post Doctoral Fellow  
Worcester Polytechnic Institute**

Direct Link: <https://www.AcademicKeys.com/r?job=239705>

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Posted Jul. 18, 2024, set to expire Nov. 9, 2024

<b>Job Title</b>	Post Doctoral Fellow
<b>Department</b>	Chemical Engineering
<b>Institution</b>	Worcester Polytechnic Institute Worcester, Massachusetts
<b>Date Posted</b>	Jul. 18, 2024
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available immediately
<b>Job Categories</b>	Post-Doc
<b>Academic Field(s)</b>	Chemical/Petroleum
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**Job Description**

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**JOB TITLE**

Post Doctoral Fellow

**LOCATION**

Worcester

**DEPARTMENT NAME**

Chemical Engineering - NFR JM

**DIVISION NAME**

Worcester Polytechnic Institute - WPI

**JOB DESCRIPTION SUMMARY**

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We seek to hire a postdoctoral fellow to join our interdisciplinary research team. The ideal candidate will primarily contribute to the development of engineered fungal-bacterial systems that will sense and transmit molecules in soil. The candidate's research will contribute to broader improvements in applied synthetic biology. The position will provide ample opportunity for exploration into cross-disciplinary research initiatives, such as microbiome reconstruction, algorithmic combinatorial optimization, and high-throughput analysis.

Research funding for the postdoctoral position is secured for 24 months, with a likely extension for a total of 3-4 years.

### **JOB DESCRIPTION**

#### **Responsibilities:**

An interest in synthetic biology, metabolic engineering, and soil microbiology is 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 chemical engineering, biological engineering, or a closely related field
- Broad experience in molecular cloning and synthetic biology (please describe in cover letter)
- Experience with biomedical protein production (please describe in cover letter)
- Demonstrated ability to work independently and achieve project goals
- Experience with engineering yeast is not essential, but desirable (please describe in cover letter)

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

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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 Young 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. Eric M. Young ([emyoung@wpi.edu](mailto:emyoung@wpi.edu)) in the Department of Chemical Engineering

### **FLSA STATUS**

United States of America (Exempt)

**WPI is an Equal Opportunity Employer that actively seeks to increase the diversity of its workplace. 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. It seeks individuals with diverse backgrounds and experiences who will contribute to a culture of creativity, collaboration, inclusion, problem solving, innovation, high performance, and change making. It is committed to maintaining a campus environment free of harassment and discrimination.**

**To apply, visit:** [https://wpi.wd5.myworkdayjobs.com/en-US/WPI\\_External\\_Career\\_Site/job/Worcester/Post-Doctoral-Fellow\\_R0002743](https://wpi.wd5.myworkdayjobs.com/en-US/WPI_External_Career_Site/job/Worcester/Post-Doctoral-Fellow_R0002743)

### **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

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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.

**Contact Information**

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

**Contact**

N/A

Worcester Polytechnic Institute

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