

Postdoctoral Fellow in Microbial Ecology of Plastic
Breakdown
Michigan Technological University

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Posted Apr. 24, 2020, set to expire Aug. 24, 2020

Job Title	Postdoctoral Fellow in Microbial Ecology of Plastic Breakdown
Department	Biological Sciences
Institution	Michigan Technological University Houghton, Michigan
Date Posted	Apr. 24, 2020
Application Deadline	Open until filled
Position Start Date	Summer 2020
Job Categories	Post-Doc
Academic Field(s)	Biology - Molecular Biology - Microbiology Biology - Computational
Apply By Email	smtechtm@mtu.edu

Job Description

A postdoctoral position in applied environmental microbiology and molecular microbial ecology is open in the Department of Biological Sciences at Michigan Technological University in the Lab of Dr. Stephen Techtmann. This postdoctoral fellow will be part of a team researching methods for conversion of plastic waste into value-added products using microbial consortia.

The successful applicant will conduct research aimed at characterization of microbial consortia enriched on plastic breakdown products and optimize consortia composition and process conditions for optimal conversion and production of products of interest. This position is part of an ongoing project to investigate the ability of natural microbial consortia to break down plastics and optimize growth on building blocks of commonly used plastics. This candidate would work as part of a transdisciplinary team of bioengineers, chemical engineers, material scientists, and microbial ecologists to develop an integrated system for waste processing and reuse.

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A Ph.D. in molecular biology, microbiology, or a closely related field is required. Specialization in microbial physiology, bioinformatics, and/or bioprocess engineering are desired. The ability to work independently as well as with a diverse research group and ability to meet deadlines and produce publications are desired.

Applicants should email a brief (1-page) research statement along with a CV and contact information for three references directly to Dr. Stephen Techtmann (smtechtm at mtu dot edu).

Contact Information

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

Contact Stephen Techtmann
Biological Sciences
Michigan Technological University
1400 Townsend Drive
Houghton, MI 49931

Contact E-mail smtechtm@mtu.edu