

A Platform for Building MSU's Research Infrastructure



  | @ForagerOne

Introduction



Lisa D. Brown

Office of Undergraduate
Research

lisa.brown@morgan.edu



Office of Undergraduate Research

MISSION: *The mission of the Office of Undergraduate Research is to promote and support a culture of faculty-mentored scientific, entrepreneurial, and creative inquiry within the undergraduate community at Morgan State University (MSU).*

VISION: *The Office of Undergraduate Research offers high-impact academic programming, experiential learning, and graduate school/career-readiness opportunities for all students at MSU who wish to enhance their education by engaging in undergraduate research.*



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Problem: Academic silos and fragmentation hinder mentorship and collaboration



Siloes exist across departments and divisions. Administrators have poor insight into the institution's research ecosystem and activity.

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Research Collaboration

1 message

Mehdi Shokouhian <mehdi.shokouhian@morgan.edu>
To: "Lisa D. Brown" <lisa.brown@morgan.edu>

Sun, Jul 18, 2021 at 3:06 PM

Dear Dr. Brown,

Hope this email finds you well. I am looking for a research collaborator with a background in biology for one of my projects that I am trying to develop a bioengineered concrete. The project is about investigating the characteristics of a self-healing concrete using microorganisms to be used in transportation and infrastructure systems. Please do you know anyone in your department who might be interested in this collaboration? Your response is highly appreciated.

Best regards,
Mehdi

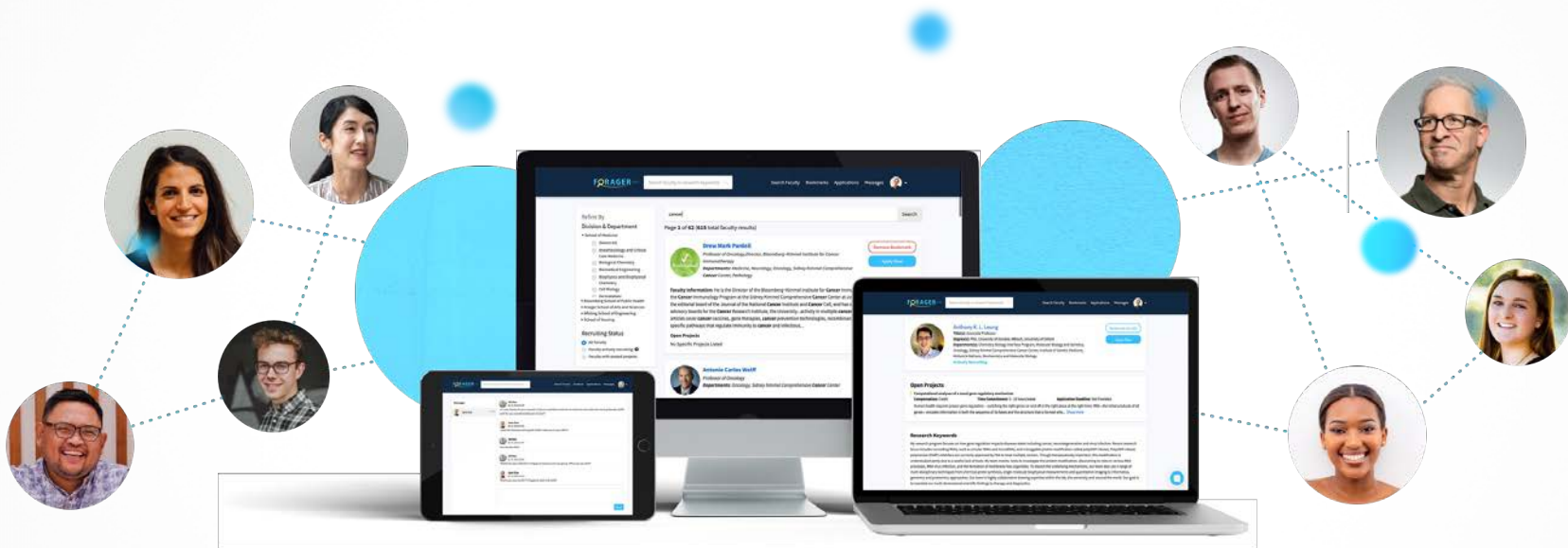
Civil Engineering



Biology



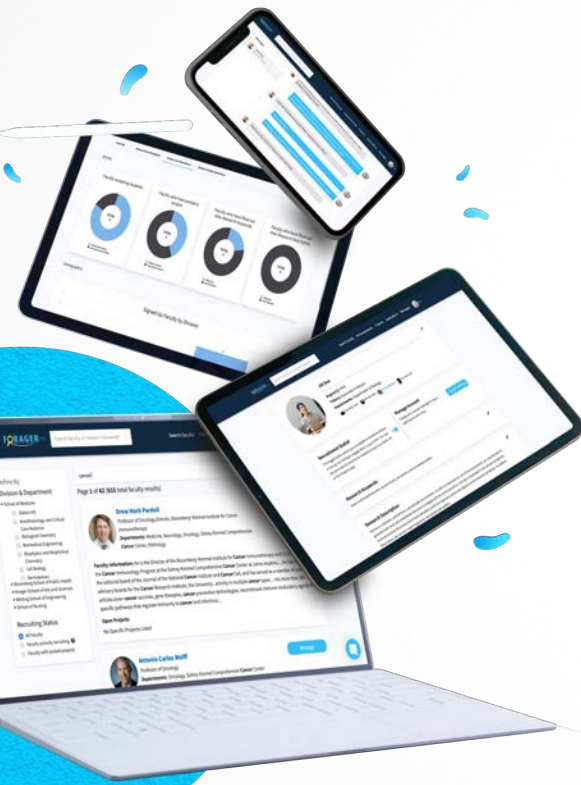
ForagerOne: An internal marketplace for connection, collaboration, and innovation



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ForagerOne: Enable connectivity for student-faculty engagement and collaboration at scale



Grow Research & Innovation Teams

- Align needs & interests
- Faculty can recruit students
- Faculty-faculty partnerships



Student Recruitment

- Identify & share content w/ students interested in research & professional fields
- Recruitment into graduate programs
- Prestigious grants and fellowships



Interdisciplinary Projects

- Centralizes information & auto-creates faculty profiles
- Dissolves geographic & disciplinary boundaries
- Fuels collaboration



Inclusion & Access

- Engender a more inclusive culture for connection
- Guided application process
- Leveling the playing field and increasing access.



Student Engagement & Success

- Undergraduate involvement in faculty-mentored projects
- Retention, graduation, alumni attachment, career readiness
- Graduate students discover faculty




Faculty Development


- Junior faculty collaborating with senior faculty
- Fast tracking career development
- Assimilate new faculty







The Approach


Auto-creating a comprehensive database of faculty




Jill Doe 

Degree(s): PhD
Title(s): Associate Professor
Departments: Department of Biology


 yjain3@jhu.edu  999-999-9999  Faculty Website  Bloomberg 02

Recruitment Status 


This toggle button allows you to indicate to students whether or not you are willing to engage them in your work. You may also post specific projects for students to see if you have any on the Projects page.

Manage Account 

Change your account settings for log in, notifications and more. [Account Settings](#)

Research Keywords 


Novel and innate behaviors, neural circuits, perception, environmental stability

Research Description 

We live in a dynamic, and at times unpredictable environment. In order to maximize our use of the environment, we must be able to generate both novel and predictable behaviors to engage with the world around us. Our lab is interested in the cellular and genetic mechanisms that drive novel and innate behaviors, and how organisms sense and adjust to environmental variability. To address these issues, we use two model organisms: nematodes and spiders.

The nematode *C. elegans* has been a useful genetic and developmental tool for understanding fundamental questions in behavioral genetics, and is one of the few animals to have its complete neuronal architecture mapped. By using a variety of genetic tools to manipulate and observe the activity of the neurons in this network, we hope to understand how behavioral novelty arises and adjusts to changing environmental and internal states.

Complex behaviors are often built by a pattern of simpler behaviors. Our lab uses the orb-weaving behavior of the spider *U. diversus* to understand how neuronal networks can encode a behavior that ultimately results in the elegant geometry of an orb-web. Orb-weavers do not use their vision for web-construction, and are thought to use path integration and spatial memory to map out their environment and influence their decisions. By using a combination of innovative behavioral, neuronal, and genetic approaches, we hope to understand how this behavior is encoded and adjusts to environmental input.

Biography 

Jill Doe is an assistant professor in the Department of Biology whose research focuses on how novel and innate behaviors are encoded at the cellular and genetic level. She received her PhD in Biophysics from Harvard University, and did her postdoctoral work at The Rockefeller University. In her free time, she enjoys playing tennis and hiking. On campus, she is involved with the Undergraduate Bioethics Society.



Our Approach

Search engines built to discover people based on aligned interests or relevant skill sets, as well as projects

The screenshot displays the FORAGER ONE search engine interface. The top navigation bar includes a search bar and links for Search Faculty, Announcements, Bookmarks, Applications, and Messages. The main content area is titled "Search Projects" and features a sidebar with filters for "Refine by:" (Subject Area Tags, Seeking, Time Commitment, Compensation) and "Search Projects" (Search names or keywords, Search, Most recently posted). The search results are displayed in a list format, showing project details such as the title, date posted, and description. The first project is "Center for COVID-19 Response" with the title "Modelling infectious burden of COVID-19 based on emergence and spread of new mutant strains". The second project is "Amar Venkat, Ph.D." with the title "Assessment of various DNMT1 inhibitors to prevent DNA hypermethylation".

FORAGER ONE Search faculty or research keywords

Search Faculty Announcements Bookmarks Applications Messages

FORAGER ONE Announcements Search Bookmarks Applications Messages

FORAGER ONE Announcements Search My Teams Projects Bookmarks Applications Messages

Search Projects

Refine by:

Subject Area Tags

- (Select all)
- Art & Design
- Biological & Life Sciences
- Business & Economics
- Chemical Sciences
- Computational Sciences
- Cultural & Language Studies
- Communication & Journalism
- Education
- Environmental Sciences
- Engineering
- Humanities
- International Studies & Law
- Mathematics & Quantitative Sciences
- Medical & Health Sciences
- Physical Sciences & Astronomy
- Social & Behavioral Sciences

Seeking

- Undergraduate Students
- Master's Students
- Doctoral Students
- Postdoctoral Researchers
- Faculty

Time Commitment

- 0-5hrs/wk
- 5-10hrs/wk
- 10-15hrs/wk
- 15-20hrs/wk
- 20-30hrs/wk
- Full-time

Compensation

- Academic Credit
- Paid
- Volunteer

Search names or keywords Search Most recently posted

Page 1 of 8 (75 total project results)

Center for COVID-19 Response
Division for Infectious Diseases

Bookmark Team Apply Now

2 projects posted

Modelling infectious burden of COVID-19 based on emergence and spread of new mutant strains
Date Posted: June 8, 2021

Mathematics & Quantitative Sciences Medical & Health Sciences

Seeking: Undergraduate students, Master's students **Time Commitment:** 10-15hrs/wk **Compensation:** Academic Credit, Paid **Project Open Until:** June 30, 2021

Description: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer nec odio. Praesent libero. Sed cursus ante dapibus diam. Sed nisi. Nulla quis sem at nibh elementum imperdiet. Duis sagittis ipsum. Praesent mauris.

Identifying supply chain challenges leading to shortages of O2 in India and Brazil
Date Posted: May 13, 2021

Business & Economics Medical & Health Sciences

Seeking: Master's students, Doctoral students **Time Commitment:** 20-30hrs/wk **Compensation:** Academic Credit **Project Open Until:** June 15, 2021

Description: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer nec odio. Praesent libero. Sed cursus ante dapibus diam. Sed nisi. Nulla quis sem at nibh elementum imperdiet. Duis sagittis ipsum. Praesent mauris. Fusce nec tellus sed augue semper porta. Mauris massa. Vestibulum lacinia arcu eget nulla. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Class aptent taciti sociosqu ad litora. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer nec odio. Praesent libero. Sed cursus ante dapibus diam. Sed nisi. Nulla quis sem at nibh elementum imperdiet. Duis sagittis ipsum. Praesent mauris.

Amar Venkat, Ph.D.
Professor
Department of Oncology, Department of Medicine

Remove Bookmark Apply Now

1 project posted

Assessment of various DNMT1 inhibitors to prevent DNA hypermethylation
Date Posted: June 6, 2021

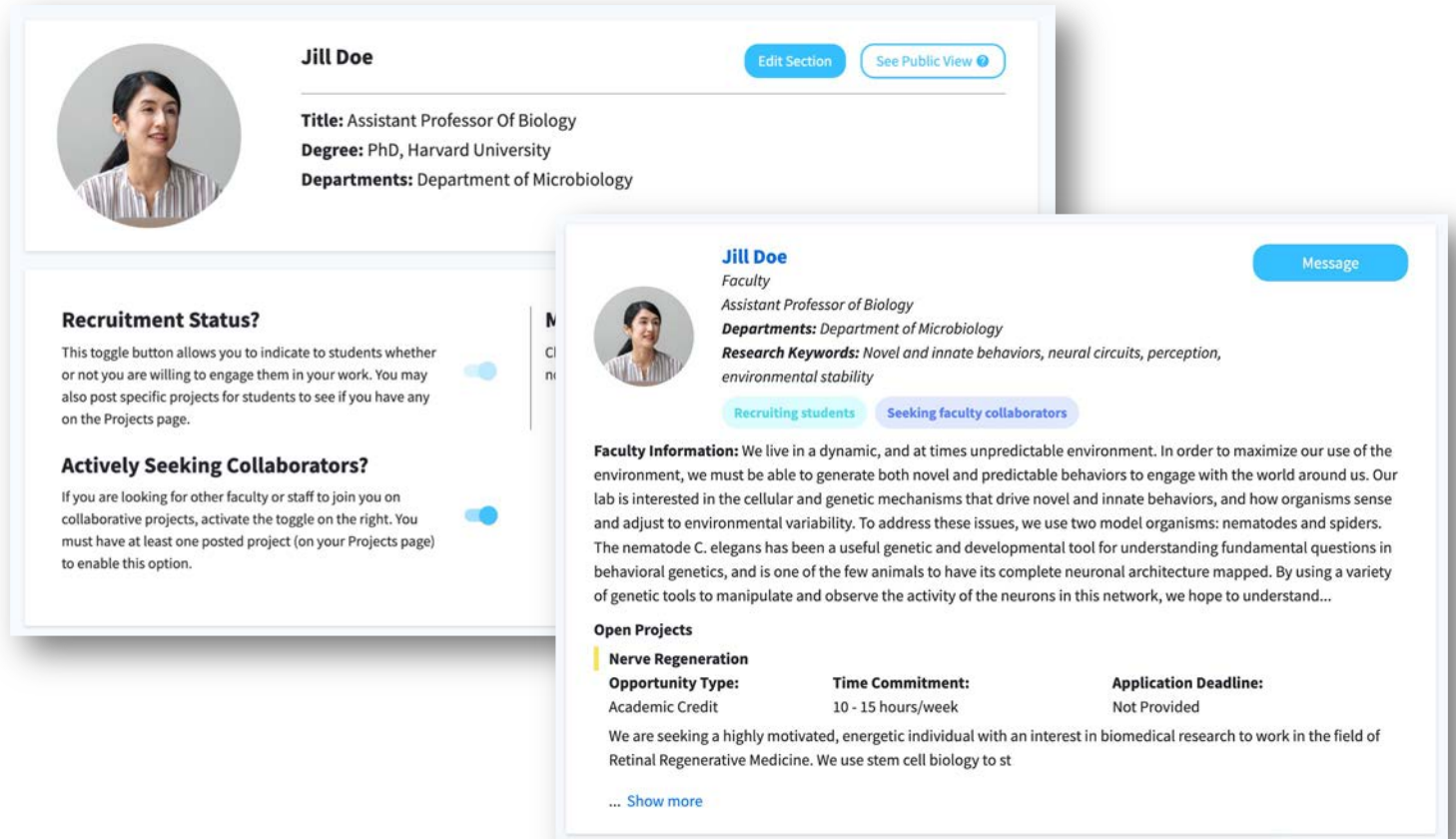


Faculty profiles

Simple toggle switches to indicate interest

Intuitive interface to post projects

Inbuilt messaging capabilities and a guided application workflow



The image displays two overlapping panels of a faculty profile interface. The top panel shows the main profile header for Jill Doe, including her name, title, degree, and department, along with 'Edit Section' and 'See Public View' buttons. The bottom panel shows a detailed view of the profile with a 'Message' button, recruitment status toggles, and an open project listing.

Jill Doe [Edit Section](#) [See Public View](#)

Title: Assistant Professor Of Biology
Degree: PhD, Harvard University
Departments: Department of Microbiology

Recruitment Status?
This toggle button allows you to indicate to students whether or not you are willing to engage them in your work. You may also post specific projects for students to see if you have any on the Projects page.

Actively Seeking Collaborators?
If you are looking for other faculty or staff to join you on collaborative projects, activate the toggle on the right. You must have at least one posted project (on your Projects page) to enable this option.

Jill Doe [Message](#)
Faculty
Assistant Professor of Biology
Departments: Department of Microbiology
Research Keywords: Novel and innate behaviors, neural circuits, perception, environmental stability

[Recruiting students](#) [Seeking faculty collaborators](#)

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Open Projects

Opportunity Type:	Time Commitment:	Application Deadline:
Academic Credit	10 - 15 hours/week	Not Provided

We are seeking a highly motivated, energetic individual with an interest in biomedical research to work in the field of Retinal Regenerative Medicine. We use stem cell biology to st

[... Show more](#)

ForagerOne Demo

Website: foragerone.com



Questions?

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Email: support@foragerone.com

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