

POSTDOCTORAL RESEARCH ASSOCIATE I - MICROBIOME AND METABOLISM	
Posting Number	req10344
Department	Environmental Science-Res
Department Website Link	https://environmentalscience.cals.arizona.edu/
Location	Main Campus
Address	Tucson, AZ USA
Position Highlights	<p>The Tfaily lab at the Department of Environment Science at the University of Arizona seeks a postdoctoral researcher to conduct research that aims to further our understanding of microbial metabolism in diverse environments through the lens of metabolomics and multi-omics integration. This includes but not limited to (i) using systems-based approaches to unravel multi-species microbial community functioning; (ii) understanding how virus therapy influence ecosystem processes through metabolic reprogramming of microbial communities, and (iii) application of Phagotherapy in the Treatment of burn Patients. The successful candidate will carry out metabolite extraction, data analysis and interpretation followed by integration with other omics data such as metagenomics and metatranscriptomics . The selected candidate will work within a collaborative group of chemists, microbiologists, microbial ecologists and molecular biologists and will lead and participate in lab-based experiments as well as field work. They will collaborate with and mentor graduate and undergraduate students.</p> <p>Reviews of applications will begin mid-July 2022.</p> <p><i>Outstanding UA benefits include health, dental, vision, and life insurance; paid vacation, sick leave, and holidays; UA/ASU/NAU tuition reduction for the employee and qualified family members; access to UA recreation and cultural activities; and more!</i></p> <p>The University of Arizona has been recognized for our innovative work-life programs. For more information about working at the University of Arizona and relocations services, please click here.</p>
Duties & Responsibilities	<ul style="list-style-type: none"> • Conduct independent research and work on team assignments focusing on microbial metabolism and multi-omics integration; lead manuscript development and maintain a strong overall publication record in the peer-reviewed scientific literature, • Present research work in multiple settings, • Participate in the development of research proposals.

	<ul style="list-style-type: none"> Position requires collecting and processing fecal samples/soil samples/blood and plasma. <p>Knowledge, Skills & Abilities:</p> <ul style="list-style-type: none"> The ideal candidate will demonstrate good written and oral communication skills and an ability to collaborate effectively.
Minimum Qualifications	<ul style="list-style-type: none"> Candidates must have received a PhD within the past five years (60 months) or upon hire from an accredited college or university. Valid Driver's License and ability to drive according to the University Fleet Safety Policy.
Preferred Qualifications	A PhD in chemistry, biology, biochemistry or a related field is required as well as a strong background in one or more of the following areas: microbial metabolism and interactions, biochemistry, LC-MS based metabolomics, multi-omics integration, coding in R, statistical methods, and computation biology approaches. The ideal candidate has a track record of demonstrating initiative, problem-solving, independent execution of routine research tasks, demonstrated experience to publish high impact research, and demonstrated experience that shows learning and successfully using new concepts and research techniques.
FLSA	Exempt
Full Time/Part Time	Full Time
Number of Hours Worked per Week	40
Job FTE	1.0
Work Calendar	Fiscal
Job Category	Research
Benefits Eligible	Yes - Full Benefits
Rate of Pay	DOE based on NIH postdoctoral stipends
Compensation Type	salary at 1.0 full-time equivalency (FTE)
Type of criminal background check required:	Name-based criminal background check (non-security sensitive)
Number of Vacancies	1
Target Hire Date	8/15/2022
Expected End Date	
Contact Information for Candidates	Malak Tfaily - tfaily@email.arizona.edu
Open Date	6/15/2022
Open Until Filled	Yes
Documents Needed to Apply	Curriculum Vitae (CV) and Cover Letter
Special Instructions to Applicant	References will be required later in the recruitment process. This position is full-time (100% FTE), 12-month, year-to-year appointment with an initial term appointment of one

	<p>year (12 months), with the possibility of renewal up to a total of three years subject to funding and satisfactory performance. Salary will be commensurate with experience and employee benefits will be provided.</p>
Diversity Statement	<p>At the University of Arizona, we value our inclusive climate because we know that diversity in experiences and perspectives is vital to advancing innovation, critical thinking, solving complex problems, and creating an inclusive academic community. As a Hispanic-serving institution, we translate these values into action by seeking individuals who have experience and expertise working with diverse students, colleagues, and constituencies. Because we seek a workforce with a wide range of perspectives and experiences, we provide equal employment opportunities to applicants and employees without regard to race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, gender identity, or genetic information. As an Employer of National Service, we also welcome alumni of AmeriCorps, Peace Corps, and other national service programs and others who will help us advance our Inclusive Excellence initiative aimed at creating a university that values student, staff and faculty engagement in addressing issues of diversity and inclusiveness.</p>