



## **PREPARING FUTURE FACULTY FOR INCLUSIVE EXCELLENCE POSTDOCTORAL PROGRAM**

### **OVERVIEW OF PROGRAM**

The **Preparing Future Faculty for Inclusive Excellence (PFFIE) Postdoctoral Program** is designed to develop scholars for tenure-track faculty positions at the University of Missouri or elsewhere, and support their contributions for promoting inclusive research and teaching environments. Applicants should articulate how their experiences and skills prepare them to contribute to the inclusive excellence of research and teaching environments at Mizzou. Postdoctoral positions are typically for two years and provide research, teaching, and professional development opportunities. The stipend is a minimum of \$60,000 per year plus University benefits and a minimum \$2,000 in professional development funds. Some disciplines may provide additional salary commensurate with standards in their field of study. To be eligible for this program, applicants must have completed their doctoral degree, or expect to complete their degree no later than July 1, 2024.

### **CURRENT CALL FOR APPLICATIONS**

We are currently accepting applications in the following areas:

#### **College of Agriculture, Food & Natural Resources**

- **Foods, Nutrition, and Exercise Sciences** – Seeking a broad range of applicants with an interest in conducting preclinical and clinical research studies in the areas of: Nutrition, Exercise, and Cardiometabolic Health - particular emphasis areas include but are not limited to: interventions to improve cardiometabolic health, identification of tissue-specific mechanisms, identification and mechanisms driving sex differences in cardiometabolic diseases. Precision Foods, Food Safety, and Product Innovation - particular emphasis on food safety, food protein, food chemistry and nanotechnology, and food processing; areas of interest include (but not limited to) value-added products using nanobiomaterials for food applications; nanosensors for rapid detection; application of data science in food science; 3D food printing; alternative processing of food ingredients; improving food quality.
- **Plant Science and Technology** – Scholar in synthetic biology: Reprogramming and genetic engineering of plant metabolic or signaling networks with a positive impact on for example stress-resilience and sustainability of crops, production of biofuels, drug development, or precision medicine.

#### **College of Arts & Science**

- **Communication** – We seek a candidate in political communication and media whose research program addresses one or more of the following topic areas:
  - Equity and social justice in the context of political and media effects
  - Media processing and effects in the context of democracy, stereotyping, or dis/misinformation
  - Emerging technologies (e.g., VR, AI) in the context of information processing, democracy, or social identity
  - [Department website](#)
- **History** – A scholar of African American and/or Latinx history with a focus on women's and/or gender history.
- **Government and Public Affairs** – The Truman School of Government and Public Affairs is searching for a scholar with research and teaching interests focused on political representation defined as activities of making citizens' voices, opinions, and perspectives present in public policy making. We are open to scholars studying political representation broadly defined, but candidates with expertise in elections and political behavior is most preferred. Scholars with a Ph.D. in Political Science, Public Affairs, or related field is required.
- **Mathematics** – All areas of math, but particularly in Algebra and Number Theory, Probability/Applications, Quantum Foundations, Statistical Mechanics. We aim to recruit the best candidates regardless of special areas.
- **Philosophy** – Scholar who works in social or political philosophy, preferably in the area of social justice.
  - [Department website](#)
- **Physics and Astronomy** – Scholar in the areas of Biological Physics, Astronomy/Astrophysics, and Condensed Matter Physics.
  - [Department website](#)
- **Music** - A composer who specializes in creating acoustic and/or electroacoustic music.
  - [School website](#)

#### College of Education & Human Development

- **Learning, Teaching & Curriculum** – Scholar in the area of Math Education, Science Education, or STEM Education (K-12).
  - [LTC flyer](#)

#### College of Engineering

- **Biomedical, Biological and Chemical Engineering** – Scholar in areas of biomechanics, biomaterials, neuroengineering, and materials for energy conversion and storage.

- **Civil and Environmental Engineering** – Scholar in areas of construction, geotechnical, structures, and transportation.
- **Electrical Engineering and Computer Science** – Machine learning/deep learning/AI, cybersecurity, biomedical signal analysis, wearable sensors, semiconductors, micro/nanofabrication.
  - [Department website](#)
- **Engineering & Information Technology** – Scholar in areas of computer network security, cybersecurity, digital forensics, and cloud computing.
  - [Mizzou CERI Center](#)
- **Industrial and Manufacturing Systems Engineering** – The Department of Industrial and Systems Engineering (ISE) at Mizzou is seeking Postdoctoral Researchers with expertise in human factors/ergonomics, optimization/data analytics applied to energy, healthcare systems, logistics, or advanced manufacturing to complement our current faculty.
- **Mechanical and Aerospace Engineering** – Scholar in areas of manufacturing, energy, thermal management, and materials engineering.
  - [Department website](#)

#### **School of Law**

- **Law** – Scholar in any area of the study of Law.

#### **School of Medicine**

- **Medicine** – Mechanisms of cardiovascular and metabolic diseases

#### **Sinclair School of Nursing**

- **Nursing** – Scholar whose interests align with the campus' NextGen Precision Health Initiative; preference for a scholar with an interest in health disparities who complements our strengths in cancer care continuum, digital health and technology, healthy aging, or rurality.

#### **APPLICATION DETAILS**

**The deadline for applications is 11:59 PM (Central time), November 1, 2023.** (The deadline for recommenders to submit letters of reference is November 4, 2023.)

Click [here](#) to visit the 2024 PFFIE application page where you can create an account and start the application process. We are using the University of Missouri Graduate School's application system and you will see the name of the graduate school and its logo. Please rest assured that you are applying for the PFFIE postdoctoral program.

A completed application includes:

- CV
- Cover letter expressing interest in the position
- Statement of goals for postdoctoral position
- Statement of experience & expertise
- One-page abstract of doctoral dissertation
- Writing sample (up to 40 pages in length)
- 3 letters of reference

Click [here](#) to read more about the University of Missouri's PFFIE program and [here](#) to check out the PFFIE FAQ page. Questions about the program and application process may be directed to Dr. Valli Sarveswaran (Director of Postdoctoral Education) at [postdoc@missouri.edu](mailto:postdoc@missouri.edu).

### **Benefit Eligibility**

This position is eligible for University benefits. The University offers a comprehensive benefits package, including medical, dental and vision plans, retirement, paid time off, and educational fee discounts. For additional information on University benefits, please visit the Faculty & Staff Benefits website at <http://www.umsystem.edu/totalrewards/benefits>

### **Values Commitment**

We value the uniqueness of every individual and strive to ensure each person's success. Contributions from individuals with diverse backgrounds, experiences and perspectives promote intellectual pluralism and enable us to achieve the excellence that we seek in learning, research and engagement. This commitment makes our university a better place to work, learn and innovate.

In your application materials, please discuss your experiences and expertise that support these values and enrich our missions of teaching, research and engagement.

### **Equal Employment Opportunity**

Equal Opportunity is and shall be provided for all employees and applicants for employment on the basis of their demonstrated ability and competence without unlawful discrimination on the basis of their race, color, national origin, ancestry, religion, sex, pregnancy, sexual orientation, gender identity, gender expression, age, disability, protected veteran status, or any other status protected by applicable state or federal law. This policy shall not be interpreted in such a manner as to violate the legal rights of religious organizations or the recruiting rights of military organizations associated with the Armed Forces or the Department of Homeland Security of the United States of America. For more information, call the Director of Employee and Labor Relations at 573-882-7976.

To request ADA accommodations, please call the Director of Accessibility and ADA at 573-884-7278.

## **Know Your Rights**

To read more about Equal Employment Opportunity (EEO) please use the following links:

- Know Your Rights [English Version](#)
- Know Your Rights [Spanish Version](#)