

As part of the **Preparing Future Faculty (PFF) Postdoctoral Program for Faculty Diversity** program at the University of Missouri, the Department of Statistics is seeking applicants who are interested in working in spatio-temporal statistics for demography, official statistics, quantitative social science, or related areas. The postdoc will be mentored by Professors Chris Wikle and Scott Holan. The attached announcement describes the broader program and application procedure (application deadline: **11:59 PM (Central time), December 1, 2019.**)

The specific research focus can be tailored to the applicant. Dynamic spatio-temporal modeling for statistical demography is an important societal and research topic bridging several disciplines, including statistics, quantitative social science, and data science. As an example, one of the grand challenges in this area is to understand demographic shifts across various race/ethnicity and gender categories, particularly those groups for which traditional surveys have tended to measure with a large uncertainty. One potential project would focus on dynamic spatio-temporal statistical modeling that can help to identify trends and patterns in these types of data in the presence of uncertainty, by leveraging innovative statistical and data science methodology. Thus, this postdoc will advance the benefits of a diverse educational and research/creative work environment at Mizzou by contributing to an innovative research program that is focused on a quantifiable greater understanding traditionally underrepresented demographic shifts.

Candidates should follow the application instructions in the attached announcement and, in addition, email a current CV to wiklec@missouri.edu and holans@missouri.edu.

Interested applicants are encouraged to contact Chris Wikle at wiklec@missouri.edu to discuss the goals of the broader postdoc program and its integration with specific research aims, or any facet of the position.

Christopher Wikle
Curators' Distinguished Professor and Chair
Department of Statistics
University of Missouri

Preparing Future Faculty Postdoctoral Program for Faculty Diversity

OVERVIEW OF PROGRAM

The University of Missouri is committed to the advancement of teachers, scholars, and researchers who can help it achieve the benefits of a diverse educational environment. The **Preparing Future Faculty (PFF) Postdoctoral Program for Faculty Diversity** is designed to promote and develop such scholars for tenure-track faculty positions at the University of Missouri and elsewhere. Applicants should demonstrate how they can contribute to faculty diversity, such as through membership in a group that is historically underrepresented in a particular discipline or through other experience.

Positions are for two years during which time the scholars focus on scholarship and participate in an array of professional development activities that integrate and expose them to the faculty experience, including the opportunity to teach in their discipline in the second year. The stipend will be a minimum of \$56,000 per year plus University benefits. Scholars will also be provided with professional development funds that may be used to attend scholarly meetings, for research, or for professional development activities.

In order to be eligible for this program, applicants must have completed their doctoral degree within that past 6 years – or expect to complete their doctoral degree by no later than July 1, 2020 – at an accredited university.

CURRENT CALL FOR APPLICATIONS

We are currently accepting applications for the following units and emphasis areas:

<u>Academic Units</u>	<u>Emphasis Areas</u>
Department of Biological Sciences	Rhizosphere (possible joint hire with Plant Sciences) or microbial biology
Department of Biomedical Sciences	All subfields
Departments of: Bioengineering and Biomedical Engineering; Chemical Engineering; Civil and Environmental Engineering; Computer Engineering; Computer Science; Electrical Engineering; Industrial Engineering; Mechanical and Aerospace Engineering	All subfields, with particular interest in someone who can contribute to the College of Engineering's research pillars of pursuit: big data analytics; biomedical innovations; sustainability in FEWSed (Food, Energy, Water, Smart Cities)
Department of Economics	All subfields, but preference for someone in empirical applied microeconomics (i.e. crime; development; education; environmental; health; labor; inequality; regulation and state and local public budgeting and finance)
Department of History	All subfields, but preference for someone in the fields of history of U.S. slavery; indigenous history; history of Mexico; or history of decolonization
School of Natural Resources	Fish ecology; forest health; land surface/biometeorology; climate science; or sport management/recreation
Department of Nutrition and Exercise Physiology	All subfields
Division of Plant Sciences	Rhizosphere biologist (possible joint hire with Biological Sciences); fungal biologist; or plant nematodes

Department of Political Science	All subfields and preference for those with strong empirical methodological skills
Department of Psychological Sciences	Scholar who complements expertise in one of our five training areas (clinical, developmental, cognition and neuroscience, quantitative, social/personality)
School of Social Work	All subfields
Department of Statistics	Scholar with focus on dynamic spatio-temporal statistical modeling that can help to identify trends and patterns in demographic/societal types of data in the presence of uncertainty, by leveraging innovative statistical and data science methodology
Department of Surgery	All specialties
Department of Textiles and Apparel Management	All subfields
Department of Theatre	Preference for scholar focused on African-American theatre and someone to direct our World Theatre Workshop
Department of Veterinary Medicine and Surgery	All subfields
Department of Veterinary Pathobiology	All subfields

The deadline for applications is 11:59 PM (Central time), December 1, 2019. Candidates who demonstrate evidence of scholarship potential to be competitive for tenure-track appointments at the University of Missouri or other research universities will be invited for on-campus interviews. Interviews are scheduled to take place during the Spring 2020 semester, between February 10-21, 2020.

To apply, please visit: <https://tinyurl.com/MU-PFF-Postdoc>. Applicants will be asked to include the following in their online application:

- Cover letter expressing interest in the position
- CV
- Statement of goals for postdoctoral position
- Diversity statement
- One-page abstract of doctoral dissertation
- Writing sample
- 3 letters of reference

Questions may be directed to Dr. Lissa Behm-Morawitz (Associate Dean of the Graduate School) at postdoc@missouri.edu. The University of Missouri is an equal access, equal opportunity, affirmative action employer that is fully committed to achieving a diverse faculty and staff. 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, sexual orientation, gender identity, gender expression, age, genetic information, disability or protected veteran status. This institution offers benefits to same-sex and to different sex domestic partners and spouses.