



Postdoctoral Research Fellow in Placental Biology

The Spencer lab in Animal Sciences at the University of Missouri is seeking a postdoctoral fellow to work on placental development and trophoblast biology in domestic animals. The goal of the lab is to understand the key hormonal, cellular, and molecular mechanisms regulating development and function of the uterus and placenta and to translate these findings to the betterment of both animal and human health.

Qualifications:

This position requires a Ph.D. degree in Animal Sciences, Biological Sciences, Developmental Biology or a related field. Experience with molecular techniques and tissue and cell culture is preferred. Prior research experience using domestic animals is not required. The successful candidate should be highly motivated and integrate within a diverse team.

Duties and Responsibilities:

(1) Develop trophoblast stem cells from bovine and pig embryos; (2) Assess the developmental potential of derived trophoblast stem cells using in vitro, genomic, single cell, and gene editing analyses; (3) Identify critical biological pathways governing in vivo placental development using single cell, genomic, and gene editing technologies; (4) Record all methods, results, and other relevant information in an organized manner; (5) Prepare manuscripts, project reports and other documents, and assist in grant preparation; (6) Assist other graduate and postdoctoral researchers with experiments; and (7) Create and execute an individual development plan and develop an independent research project.

Application Materials:

Updated CV, complete contact information for three references, and a cover letter describing past research experience, career goals and potential future research interests. Materials can be sent to Thomas E. Spencer, PhD: spencerte@missouri.edu

Salary:

Postdoctoral salary based on experience, history of productivity, and qualifications.

Benefit Eligibility:

This position is eligible for University benefits. The University offers a comprehensive benefits package, including medical, dental and vision plans, retirement, and educational fee discounts.

Diversity Commitment:

The University of Missouri is fully committed to achieving the goal of a diverse and inclusive academic community of faculty, staff and students. We seek individuals who are committed to this goal and our core campus values of respect, responsibility, discovery and excellence.

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 Vice Chancellor of Human Resource Services/Affirmative Action officer at 573-882-4256.

To request ADA accommodations, please call the Disability Inclusion and ADA Compliance Manager at 573-884-7278.

About the University of Missouri-Columbia

The University of Missouri was founded in 1839 in Columbia, Mo., as the first public university west of the Mississippi River and the first state university in Thomas Jefferson's Louisiana Purchase territory. Today, MU is a \$2.1 billion enterprise and an important investment for the state and nation. MU provides all the benefits of two universities in one: It's a major land-grant institution with a statewide mission of service to citizens and Missouri's largest public research university. Considered one of the nation's top-tier institutions, Mizzou is the flagship campus of the four-campus University of Missouri System. It is one of only 34 public universities, and the only public institution in Missouri, to be selected for membership in the Association of American Universities. The state's most comprehensive university, MU offers more than 300 degree programs through 19 colleges and schools and is one of only five universities nationwide with law, medicine, veterinary medicine and a nuclear research reactor on one campus.

Mizzou has a diverse enrollment with 35,000 students from every county in Missouri, every state in the nation and 120 countries. The favorite classroom for the best and brightest, Mizzou attracts more valedictorians, Curators Scholars and Bright Flight Scholars than any other college or university in Missouri. Twenty-six percent of MU freshmen come from the top 10 percent of their high school classes. MU's nationally prominent faculty bring discoveries into the classroom, publish more than 1,600 books and scholarly articles each year and spend about \$235 million annually on scientific research; they account for 70 percent of the research dollars flowing to Missouri public universities. Ninety-two percent of full-time, ranked faculty hold doctorates or the highest degree in their field.