2022 MU VRSP mentor profile form

Mentor	**Elizabeth Bryda**
Departmental bio web page.	**http://vpbio.missouri.edu/faculty/Elizabeth_Bryda.html**
Other relevant web pages, as applicable. E.g., lab group/personal web page, Google Scholar/ORCiD profiles, others	
Research interests.	**Animal modeling, molecular genetics, genetic engineering, comparative medicine**
Active projects.	**Generating and characterizing rat models, applying cutting edge genetic engineering tools to make rat models for biomedical research, exploring the effect of dietary supplements on various disease phenotypes in rat models, improving reproductive technology tools and procedures (i.e. in vitro fertilization) in rats**
Research team. E.g., graduate students, post docs, technicians, other scholars	**Graduate students, undergrads, technicians, PhD-level scientists. We collaborate with a number of researchers at MU as well around the country on grant-funded projects**
About you… Education/training Personal information, as interested—e.g., hobbies, etc.	**Undergrad (Tufts University): Biology & Music** **Graduate training (Rutgers University): Microbiology & Molecular Genetics** **Post-doctoral training (Wadsworth Center): Mammalian Genetics** **Previous Faculty Position: Joan C. Edwards School of Medicine, Marshall University** **Other positions: ran Research Animal Diagnostic Lab genetic testing lab at MU, currently Director of Rat Resource & Research Center, Director of MU Animal Modeling Core, Co-Director of MU Comparative Medicine Program, Co-PI on Comparative Medicine T32 training grant** **Hobbies: music (play clarinet), pickleball, running**
Mentor Profile	
I am available to mentor students in career and life decisions, even if they do not choose research. Very Untrue 1 --- 2 --- 3 --- 4 --- 5 Very True	
My students are/can be involved in the creation/development of their projects. Very Untrue 1 --- 2 --- 3 --- 4 --- 5 Very True	
I expect students to contribute to manuscripts/publications. Very Untrue 1 --- 2 --- 3 --- 4 --- 5 Very True	
Students have the option to continue to work on this project. Very Untrue 1 --- 2 --- 3 --- 4 --- 5 Very True	

My students often work closely with a research team, e.g., lab tech or other students. Very Untrue 1 --- 2 --- 3 --- 4 --- 5 Very True	
I frequently touch base with my research team—e.g., students, technicians, etc. Very Untrue 1 --- 2 --- 3 --- 4 --- 5 Very True	
My mentoring style is very hands off. Very Untrue 1 --- 2 --- 3 --- 4 --- 5 Very True	
Current/active project profile & timeline, including clinical vs. basic science.	**Projects typically involve molecular techniques and/or some aspect of animal biology. We tailor the project to the individual based on their interests and time commitment. Many projects involve a discrete aspect of a bigger project that is an interdisciplinary group effort. Most projects are basic science but involve animal work. Many are more applied than hypothesis-driven.**
Lab structure, if applicable.	**I have a research lab overseen by a lab supervisor, the Animal Modeling Core is overseen by a PhD-level Assistant Director and various other labs (genotyping, etc.) within the RRRC have lab supervisors and technicians. The labs are highly collaborative so students often work with many different individuals among the various groups/labs. In addition, there are 4 other faculty members at Discovery Ridge and along with members of their labs, and staff associated with the MMRRC and MUMC, there is routinely close interactions among everyone at Discovery Ridge and abundant opportunities to cross-train.**
What does a typical day of research look like for VRSP scholars?	**Hands on in the lab performing experiments or in the vivarium working with animals, working both independently and with others depending on the specific task, attending relevant lab meetings, reading relevant literature**
What does engagement look like for your lab/project?	**Being actively involved in hands on tasks, taking advantage of any opportunities to learn new techniques, asking lots of questions, looking up information as needed, contributing to discussions, being excited about generating and analyzing data and sharing results with others**