2024 MU VRSP mentor profile form

Mentor	Lyndon Coghill
Departmental bio web page.	https://cvm.missouri.edu/veterinary-pathobiology/faculty/lyndon-m-coghill-phd/
Other relevant web pages, as applicable. E.g., lab group/personal web page, Google Scholar/ORCiD profiles, others	https://bioinformatics.missouri.edu
Research interests.	Bioinformatics, computational biology, genomics, population genetics, microbiome, biostatistics
Active projects.	- Optimization of genomic workflows for calling variants with machine-learning approaches - Genomics of inherited disease (feline and canine) (in collaboration with Dr. Lyons) - Development of an R Shiny Application for single-cell analysis These are some of the active projects we have right now. We have many projects on our team, and scholars would have the opportunity to work on any of those we have.
Research team. E.g., graduate students, post docs, technicians, other scholars	Graduate students, data scientists, and software engineers
About you… Education/training Personal information, as interested—e.g., hobbies, etc.	- B.S., Western Illinois University - Ph.D., University of New Orleans - Postdoctoral Fellowship, Field Museum of Natural History, Chicago - Postdoctoral Fellowship, Louisiana State University I am married and live on a small hobby farm with a mini zoo including 2 dogs, 1 cat, chickens, a Russian tortoise, and a kingsnake. When I'm not working, spending time with family, or on the farm, I'm fishing, camping, reading, or woodworking.
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.	Mostly basic science. Project timelines are flexible and are at various stages of completion.
Lab structure, if applicable.	
What does a typical day of research look like for VRSP scholars?	Reading papers, learning new techniques, writing code, running analysis on our high-performance computing cluster or in R. Discussing methods, techniques, challenges, and possible solutions with colleagues on the team.
What does engagement look like for your lab/project?	Being involved. That can come from hands-on work, participating in discussions and conversations in person or via Teams/Slack.