2022 MU VRSP mentor profile form

Mentor	**Lane Clarke**
Departmental bio web page.	**https://biomed.missouri.edu/lane-l-clarke-dvm-phd/**
Other relevant web pages, as applicable. E.g., lab group/personal web page, Google Scholar/ORCiD profiles, others	**https://dalton.missouri.edu/investigators/clarkel.php**
Research interests.	**Gastrointestinal physiology, cystic fibrosis**
Active projects.	**Investigating proton receptors, immue tolerance and wound healing in cystic fibrosis mouse intestine**
Research team. E.g., graduate students, post docs, technicians, other scholars	**Research technician: Riley McDermott** **Graduate student: Rowena Woode** **Undergraduate students: Zoey Hrabowski, Ellise Wright**
About you… Education/training Personal information, as interested—e.g., hobbies, etc.	**Graduated MU with BA, DVM, MS. Practiced in exclusive equine practice for few years. Accepted a scholarship and received a PhD in GI Physiology at North Carolina State CVM. Did a 3.5 year postdoctoral fellowship at the University of North Carolina Department of Medicine. Accepted for Assist. Prof position at MU CVM Biomedical Sciences and now a full professor. My office and laboratory are located at the MU Dalton Cardiovascular Research Center.**

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 ---x 5 Very True
My students are/can be involved in the creation/development of their projects. Very Untrue 1 --- 2 --- 3 --- 4 --- x5 Very True
I expect students to contribute to manuscripts/publications. Very Untrue 1 --- 2 --- 3 --- 4 --- x5 Very True
Students have the option to continue to work on this project. Very Untrue 1 --- 2 --- 3 --- 4 --- x5 Very True
My students often work closely with a research team, e.g., lab tech or other students. Very Untrue 1 --- 2 --- 3 --- 4 --- x5 Very True
I frequently touch base with my research team—e.g., students, technicians, etc. Very Untrue 1 --- 2 --- 3 --- 4 --- x5 Very True
My mentoring style is very hands off. Very Untrue 1 --- 2 --- x3 --- 4 --- 5 Very True

Current/active project profile & timeline, including clinical vs. basic science.	**Basic science studies of the role of proton receptors in the small intestinal epithelium and white cell population in cystic fibrosis. Determining the development of oral tolerance and wound healing in the intestine of CF mouse model.**
Lab structure, if applicable.	**Large lab located at DCRC**
What does a typical day of research look like for VRSP scholars?	**Learning and applying techniques. Learning the scientific method and our area of research.**
What does engagement look like for your lab/project?	**Learn from myself or other personnel about techniques and teaching of projects/area of research**