

2022 MU VRSP mentor profile form

Mentor	Dr. Ram Raghavan
Departmental bio web page.	http://vpbio.missouri.edu/faculty/Ram_Raghavan.htm
Other relevant web pages, as applicable. E.g., lab group/personal web page, Google Scholar/ORCID profiles, others	https://scholar.google.com/citations?user=CY_9BbcAAAAJ&hl=en
Research interests.	Epidemiology, Disease ecology, Spatial analysis, Surveillance, Wildlife disease, Ticks, Bats
Active projects.	Spatial epidemiology of chronic wasting disease (USFWS 2020 - 2023) Coronavirus survey of bats (MDC 2021 – 2023)
Research team. E.g., graduate students, post docs, technicians, other scholars	Dr. Zoe Koestel Dr. Rosalie Ierardi Aleana Savage Isabella Richardson Joseph Mosely
About you... Education/training Personal information, as interested—e.g., hobbies, etc.	Epidemiologist,

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 -X- 5 Very True

I expect students to contribute to manuscripts/publications.

Very Untrue 1 --- 2 --- 3 --- 4 -X- 5 Very True

Students have the option to continue to work on this project.

Very Untrue 1 --- 2 --- 3 --- 4 -X- 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 -X- 5 Very True

I frequently touch base with my research team—e.g., students, technicians, etc.

Very Untrue 1 --- 2 --- 3 --- 4 -X- 5 Very True

My mentoring style is very hands off.

Very Untrue 1 --- 2 -X- 3 --- 4 --- 5 Very True

<p>Current/active project profile & timeline, including clinical vs. basic science.</p>	<p>We are conducting chronic wasting disease surveillance and the modeling of its spatio-temporal patterns using R-Studio, ArcGIS and other software applications</p> <p>We are conducting bat surveys and collecting biological samples for testing viruses using deep sequencing approaches</p> <p>We are collecting ticks from different parts of the state and documenting pathogen prevalence</p> <p>We are collecting snails from different parts of the state and documenting parasite prevalence, and modeling ecological niche using Maxent approaches</p>
<p>Lab structure, if applicable.</p>	<p>BSL-1, mostly to handle field samples but also for preparing libraries for molecular analysis</p>
<p>What does a typical day of research look like for VRSP scholars?</p>	<p>Analyze epidemiological data, interpret results</p>
<p>What does engagement look like for your lab/project?</p>	<p>I emphasize reading scientific articles and discussions. I also encourage public speaking in front of colleagues and news media (print, radio, tele).</p>