

2022 MU VRSP mentor profile form

<p>Mentor</p>	<p>Bryan T. Torres, DVM, PhD, DACVS-SA, DACVSMR</p>
<p>Departmental bio web page.</p>	<p>Motion Analysis Lab Page -- http://vhc.missouri.edu/small-animal-hospital/motion-analysis-laboratory/meet-the-team/</p>
<p>Other relevant web pages, as applicable. E.g., lab group/personal web page, Google Scholar/ORCID profiles, others</p>	<p>Surgery Section Page -- http://vhc.missouri.edu/small-animal-hospital/surgery/meet-the-team/ Google Scholar Profile -- https://scholar.google.com/citations?user=ud6xxssAAA&hl=en&oi=ao</p>
<p>Research interests.</p>	<p>Gait analysis, musculoskeletal and joint biomechanics, sports medicine and rehabilitation, and osteoarthritis and pain management.</p>
<p>Active projects.</p>	<ol style="list-style-type: none"> 1. The investigation of various OA therapeutics for use in dogs to ameliorate the pain and lameness associated with OA. 2. The utilization of kinetic gait data for the objective assessment of pain and lameness in companion animals. 3. The development of 3D kinematic modeling methods for the evaluation of joint and body motion in dogs.
<p>Research team. E.g., graduate students, post docs, technicians, other scholars</p>	<p>Cris Zelaya (Sr. Research Technician), Lindsay Parker (graduate student), Max Latifi (graduate researcher), Derek Fox (laboratory faculty), David Hutcheson (Laboratory Faculty)</p>
<p>About you... Education/training Personal information, as interested—e.g., hobbies, etc.</p>	<p>I am an Assistant Professor of Orthopedic Surgery and the Director of the Motion Analysis Laboratory at the University of Missouri, College of Veterinary Medicine. I grew up in Clemson, South Carolina and did my undergraduate training (B.S.) at Clemson University. I then received my DVM from the University of Georgia (UGA) and stayed at UGA for an internship in small animal medicine and surgery. I then worked as a small animal practitioner in the Atlanta area for several years before returning to UGA to complete a post-doctoral research fellowship, a residency in small animal surgery, and a PhD in physiology. I am a Diplomate of the American College of Veterinary Surgeons (DACVS) and a Diplomate of the American College of Veterinary Sports Medicine and Rehabilitation (DACVSMR). I have research interests in gait analysis, musculoskeletal and joint biomechanics, sports medicine and rehabilitation, and osteoarthritis and pain management.</p>
<p>Mentor Profile</p>	
<p style="text-align: center;">I am available to mentor students in career and life decisions, even if they do not choose research.</p> <p style="text-align: center;">Very Untrue 1 --- 2 --- 3 --- 4 ---  Very True</p>	

<p>My students are/can be involved in the creation/development of their projects.</p> <p>Very Untrue 1 --- 2 --- 3 --- <input checked="" type="radio"/> --- 5 Very True</p>	
<p>I expect students to contribute to manuscripts/publications.</p> <p>Very Untrue 1 --- 2 --- 3 --- 4 --- <input checked="" type="radio"/> Very True</p>	
<p>Students have the option to continue to work on this project.</p> <p>Very Untrue 1 --- 2 --- 3 --- 4 --- <input checked="" type="radio"/> Very True</p>	
<p>My students often work closely with a research team, e.g., lab tech or other students.</p> <p>Very Untrue 1 --- 2 --- 3 --- <input checked="" type="radio"/> --- 5 Very True</p>	
<p>I frequently touch base with my research team—e.g., students, technicians, etc.</p> <p>Very Untrue 1 --- 2 --- 3 --- <input checked="" type="radio"/> --- 5 Very True</p>	
<p>My mentoring style is very hands off.</p> <p>Very Untrue 1 --- 2 --- <input checked="" type="radio"/> --- 4 --- 5 Very True</p>	
<p>Current/active project profile & timeline, including clinical vs. basic science.</p>	<p>My projects center around objective outcome measures (kinetic and kinematic gait analysis) for the assessment of pain in companion animals. Much the current focus is on osteoarthritic and oncologic pain. Projects are at various stages and include both basic science and clinical components. If interested, various project elements can be developed with VRSP scholar collaboration, should these interests arise.</p>
<p>Lab structure, if applicable.</p>	<p>See the laboratory page at http://vhc.missouri.edu/small-animal-hospital/motion-analysis-laboratory/meet-the-team/</p>
<p>What does a typical day of research look like for VRSP scholars?</p>	<p>Research days will vary, depending on the project and the point within the research timeline. VRSP scholars can expect to spend time formulating a research plan through proposal development, research various topics through concise literature searches, collect and analyze project data, and other tasks related to the proposed project.</p>
<p>What does engagement look like for your lab/project?</p>	<p>VRSP scholars are expected to participate and contribute to the development and completion of a research project—with the goal of submission for abstract presentation and/or peer-reviewed manuscript publication. Throughout the research, scholars will get ample support from laboratory personnel as well as supervision and research guidance from laboratory faculty. VRSP scholars should be able to successfully complete their project.</p>