

4th ECVSMR Scientific Meeting – 20-22 July 2023

Keynote Speakers

- **Dr. Sue Stover**



Dr. Sue Stover is a Distinguished Professor, and Director of the JD Wheat Veterinary Orthopedic Research Laboratory at the University of California at Davis. She received her veterinary degree from Washington State University, and subsequently completed an Equine Surgery Internship and Residency at University of California at Davis. She was in equine practice in Washington State before returning to the Veterinary Medical Teaching Hospital, UC Davis to teach clinical equine lameness and surgery to veterinary students and residents. She became board certified by the American College of Veterinary Surgeons while pursuing a PhD program focused on equine orthopedic research (Dorsal metacarpal disease ('bucked shins') in Thoroughbred racehorses). She now devotes her time to equine orthopedic research, with over 200 research publications; mentoring veterinary students, graduate students, and residents in research; and teaching musculoskeletal anatomy, biomechanics, and pathology to veterinary students.

Her major research focuses are the biomechanics and prevention of musculoskeletal injuries in equine athletes and treatment of orthopedic disorders in domestic and non-domestic animals. Her key contributions to the safety and welfare of horses include discovery and detection of lesions that predispose to catastrophic injuries in racehorses and elucidation of factors that contribute to injury development in sport horses. Current research efforts are focused on understanding how training and injury affect bone adaptation or propensity for bone fracture and the effects of arena surface materials and shoes on hoof and fetlock biomechanics and thus propensity for injury in athletes.

In 2016, Dr Stover received the American Veterinary Medical Association Lifetime Excellence in Research Award. She gave the John Hickman Memorial Lecture, British Equine Veterinary Association, in 2019, and was the AAEP Frank J. Milne State-of-the-Art lecturer in 2022.