



AIMEE COLBATH, VMD, MS, DACVS

2018 Scholarship Summary

# Summary

- From August 2019 through December 2018, I had the privilege to work in the laboratory of Dr. Christopher Little at the Raymond Purves Bone and Joint Institute at the University of Sydney. This experience was invaluable. As a veterinarian and researcher, I have spent many years investigating stem cells therapies for the treatment of osteoarthritis. During this time, I have used large animal models. However, I was eager to take a more mechanistic approach to osteoarthritis using rodent models of osteoarthritis. The Raymond Purves Bone and Joint Institute was the ideal environment to gain these skills. During my time at the University of Sydney, I learned how to perform three techniques for induction of osteoarthritis in the mouse. In addition, I worked alongside other researchers to harvest tissues and complete flow cytometry analysis. I had the privilege to be part of a pivotal study which will provide significant information into the immune system's role and response to osteoarthritis.
- In addition to acquiring new laboratory skills, I formed strong relationships to facilitate future collaboration. I also experienced a productive and supportive laboratory environment, learning new skills in laboratory management and success.
- I am very thankful for the time spent with these accomplished and inspiring researchers. The OARSI fellowship provided me with vital training which will be instrumental in my future research.

