



HAISHENG XIA

2018 SCHOLARSHIP SUMMARY

SUMMARY

Thanks to the wonderful opportunity provided by the 2018 OARSI Collaborative Scholarship, Haisheng spent three months working with Dr. Michael Hunt of the Motion Analysis and Biofeedback Laboratory located at the University of British Columbia, Canada. Haisheng's project focused on feasibility testing of a smart shoe that provide feedback to train foot progression angle in the real-world. Ultimately, the project has led to a conference presentation at OARSI 2019 in Toronto, Canada, titled "*Preliminary Test of A Smart Shoe for Training Foot Progression Angle during Walking*".

This exchange provided a number of relevant benefits to Haisheng's career, scientific productivity, as well as inter-lab collaborations going forward. First, through international collaboration, Haisheng expand his academic network, specifically in fields in which he has no direct exposure to at home university. Upon graduation, Haisheng intend to pursue post-doctoral training continuing in research related to measuring and modifying human gait to improve human life using wearable systems. This exchange provided a lot of relevant clinical experience in conservative treatments for human diseases. Second, this project and experience also laid the ground work for a larger Knee OA patients study that is in preparation for submission to the Journal of Biomechanics. Furthermore, as conducting tests with patient populations requires specialized training, Haisheng gain substantial clinical testing experience which will be very useful for future research studies. Lastly, this project is an important part of Haisheng's PhD thesis.

The projects and learning experience afforded by the OARSI Scholarship act as the foundation of his PhD thesis and have shaped the trajectory of his current and upcoming projects. Haisheng is incredibly grateful for the opportunity provided by OARSI and highly recommends this scholarship to other researchers. With a successful exchange, it opens the door for future students to continue this trend by pursuing a similar experience. Importantly, this exchange also raise awareness of OA research and OARSI opportunities for other researchers and young investigators from China.



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