

"Optimizing Musculoskeletal Health and Joint Performance"



Geoffrey Ng

PhD

Research Associate

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Dr. Ng is being recruited to Western and has applied for a Robarts Scientist appointment

Geoffrey specializes in musculoskeletal biomechanics, orthopaedics, and joint preservation methods -- aspiring to outline a path for joint restoration, injury prevention, and healthy aging.

Osteoarthritis is an end-stage joint debilitating condition and a leading cause for early disability and aging worldwide. This translates into severe pain and inability to maintain health goals, loss of productivity and income, and more money spent on healthcare, medication, and rehabilitation. Dr. Ng's multidisciplinary research program in musculoskeletal biomechanics combines novel in vivo research platforms (imaging markers, functional metrics, gait and motion) with in vitro robotic testing (physical injury modelling, parameterized surgical simulations/implants), in silico methods (predictive computational modelling/simulations), and translational innovations in 3D printing to optimize diagnosis, treatment, and prevention strategies. The most important findings will advance the multidisciplinary evaluation of musculoskeletal joint injuries and aging with the long-term goals to improve recognition, characterization, and treatment.

Join us on Zoom February 26th at 10am EST

Please register at the link below to receive Zoom details:

https://westernuniversity.zoom.us/webinar/register/WN_sjrltGaxRsSA_w47Tc_gxQ