

Lauren Burt, Ph.D

Lauren has a Bachelor of Exercise Science (Honours) and a Doctor of Philosophy from the Australian Catholic University. Currently, Lauren is a postdoctoral fellow within the Bone Imaging Laboratory (<http://bonelab.ucalgary.ca>) at the University of Calgary where she works on the Canadian Multicentre Osteoporosis Study (CaMos) under the supervision of Dr. Steven Boyd and Dr. David Hanley.



Lauren is thrilled to be this year's recipient of the Osteoporosis Canada CaMos Fellowship. Her project is entitled "Transforming HR-pQCT for improved Clinical Diagnostic Applications: A Canadian Multicentre Osteoporosis Study". This work will produce a sex-and site-specific centile driven normative database for HR-pQCT parameters. Specific centile curves will be established at the radius and tibia for males and females. Being able to determine true age- and sex-related bone changes across the lifespan, with this high resolution imaging technology in a normal aging cohort may provide valuable information on bone quality, fracture risk and aging, not yet known. Furthermore, it is possible that the magnitude of true individual change in bone health may be a better indicator of fracture risk than an overall quantity. For example total bone density loss of over 3% per year may be a better predictor of fracture risk than placement of an individual below the 10 centile for total bone mineral density at baseline assessment.

Lauren is looking forward to sharing the results of her study with the Osteoporosis Canada community in the not to distant future.