

Gustavo Duque

McGill University, Canada

Curriculum Vitae



Dr. Gustavo Duque, MD, PhD, FRACP, is a geriatrician and biomedical scientist with a research interest in the mechanisms, potential therapies, and biomarkers for age-related bone loss, osteoporosis, sarcopenia, osteosarcopenia, and frailty in older persons. He also studies the effects of vitamin D, exercise, and protein intake on bone and muscle mass.

His initial training included Internal Medicine at Javeriana University (Colombia) and Geriatric Medicine, which he completed at McGill University in Montreal (Canada). He obtained his PhD at McGill University in 2003 with a thesis entitled “Molecular Changes of the Aging Osteoblast” under the supervision of Dr. Richard Kremer. Between 2003 and November 2007, he joined the McGill University Medical School faculty as a member of the Division of Geriatric Medicine and as a Researcher at the Lady Davis Institute for Medical Research.

In November 2007, he moved to Australia to join the faculty as Associate Professor and Head of the Division of Geriatric Medicine and Director of the Musculoskeletal Ageing Research Program at Sydney Medical School Nepean, University of Sydney. In 2012, he was promoted to Professor of Medicine at the University of Sydney. Between 2015 and 2022, Dr. Duque held the positions of Chair of Medicine and Director of the Australian Institute for Musculoskeletal Science at the University of Melbourne.

In 2022, Dr. Duque assumed the roles of Full Professor, Dr. Joseph Kaufmann Chair in Geriatric Medicine, Director of the RUISSS McGill Centre of Excellence for Sustainable Health of Seniors/Simone & Edouard Shouela (CEDurable), and Principal Investigator in the Bone, Muscle & Geroscience Group at the Research Institute of the McGill University Health Centre (MUHC). He is also the Editor-in-Chief of the Journal of Gerontology: Biological Sciences, one of the official journals of the Gerontological Society of America. In 2025, he became Director of the McGill Division of Geriatric Medicine.

As a geriatrician and clinician-investigator, Dr. Duque has implemented several Falls and Fractures clinics—including the most recent at the McGill University Health Centre and the Jewish General Hospital in Montreal—where patients are comprehensively assessed for fall and fracture risk. His clinical trials unit conducts multiple studies evaluating pharmacological and non-pharmacological therapies for age-related musculoskeletal diseases. He is the author of more than 360 peer-reviewed articles and multiple book chapters and has edited five books in the aging and musculoskeletal fields, including two on osteosarcopenia.