

# **Dr. Geoff Fernie**

**Director, Research, Toronto Rehabilitation Institute at University Health Network**

Toronto, ON, CA

Developing technologies to prevent injury and disease & help individuals continue to live in their own homes as they age

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## **Biography**

Dr. Geoff Fernie develops technologies for two broad purposes: To prevent injury and disease; to help individuals and their family caregivers continue to live in their own homes as they age.

Dr. Fernie has maintained a focus on the reduction of falls through the development of innovative mobility products, non-slip winter footwear and improvements to accessibility and building codes. He has made significant advances in preventing hospital acquired infections by improving hand hygiene. His recent involvement in the development of a disposable instrument for home diagnosis of sleep apnea has the potential to significantly reduce the prevalence of cardiovascular complications resulting from untreated sleep apnea. Dr. Fernie has been responsible for many products that assist people's independence, including innovative wheelchairs and bathroom aids. Many of his inventions have reduced the physical burden of caring for people, including the prevention of back and shoulder injuries in professional nurses and family caregivers caused by lifting and moving people.

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## **Industry Expertise**

Health and Wellness, Health Care - Services, Health Care - Providers, Research

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## **Areas of Expertise**

Rehabilitation Research, Idapt Centre, Falls Research, Elderly Driving Research, Aging At Home Research, Accessible Environments, Assistive Technology, Biomechanics, Rehabilitation Engineering, Ergonomics, Winter Footwear Safety, Stair Safety, Senior Aging At Home

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