



PROF. SIMON GANDEVIA

*Professor Simon Gandevia (DSc MD PhD FAA FRACP) an internationally-reputed physiologist, clinical neuro-physiologist and science administrator is currently the Deputy Director of Prince of Wales Medical Research Institute and also he was one of the four founders of this Institute in 1991.*

*He is a medical graduate with an extensive record of health and medical research. He completed a PhD during*

*his medical training and was subsequently awarded a DSc by the University of New South Wales. His research involves human subjects and patients and virtually all his work has been conducted in Sydney, Australia. His work continues to be focused on three areas: the central and peripheral control of human muscles, kinaesthesia and proprioception, and the neural control of human respiration. Many techniques including electrical stimulation of the central nervous system, microneurography, twitch interpolation, recordings of respiratory performance, and total neuromuscular paralysis have been used in innovative ways, and some new techniques developed. His work has provided insights into pathophysiological mechanisms in several branches of medicine including neurology, rehabilitation medicine and cardiorespiratory medicine. One emphasis has been development of appropriate tests of human neuromuscular function and, where possible, application of them to understand pathological changes in patients. One example has been clinical research with his colleagues into neuromuscular diseases, particularly the long-term pathophysiology of poliomyelitis. In recognition of his scientific work, he*

*was elected a Fellow of the Australian Academy of Science in 1998 and received a Centenary medal in 2003. He has served on many editorial boards including the Journal of Physiology and the Journal of Applied Physiology, and has edited four research books. He has published extensively including more than 70 papers in the Journal of Physiology with many others in major specialist and clinical journals. He has also helped to train many doctoral students and to develop concepts about the ethics of experimental studies in human beings.*

*Professor Simon Gandevia has been selected by the World Scientist Forum for "Eminent Scientist of the Year 2005" International Award from Australia in Medicine and Physiology for outstanding research innovation in physiology and for his broader contributions to science and medicine.*

