

Lance Lanyon qualified as a veterinarian from the University of Bristol, UK in 1966. During his PhD he developed the technique for attaching strain gauges to bone surfaces in vivo and measuring the strains engendered by normal functional activity. He has spent the subsequent years investigating the objectives, mechanisms, successes and failures of bone's adaptive responses to mechanical loading. His identification of the role of the estrogen receptor in this response is particularly relevant to the etiology of post-menopausal osteoporosis in women and age-related osteoporosis in men. He has followed this research at Tufts University in Boston Mass. and the Royal Veterinary College in the University of London of which he was Principal from 1989 to 2004.

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