



Gillian Murphy, Ph.D., F. Acad. Med. Sci.: received her Ph.D. from the University of Birmingham, UK (1971). During 1972-1974 she received a NATO Science Fellow at MPI, Martinsried, Germany. During 1997-2002 was a Professor at University of East Anglia (UEA), Norwich and from 2002 is a Professor at the University of Cambridge, Dept of Oncology, Cancer Research UK Cambridge Research Institute. Gill Murphy has been involved in research into the function of metalloproteinases, including their structure-function relationships and extracellular regulation, including the function of the TIMP inhibitors. Her Group's research is currently focused on cell surface associated forms of the zinc-dependent proteinases, notably the membrane type matrix metalloproteinases (MT MMPs) and the disintegrin-type metalloproteinases (ADAMs), and the natural inhibitors that control them, the tissue inhibitors of metalloproteinases, TIMPs. They aim to elucidate how these metalloproteinases and inhibitors function and what their importance is as effectors of both physiological processes and pathologies, such as cancer. They hope to develop novel reagents for disease therapy and diagnosis from the fundamental data accrued.