

Dr. Michalak is a Distinguished University Professor in the Department of Biochemistry, Faculty of Medicine & Dentistry, University of Alberta, a Fellow of the Royal Society of Canada. After completion of his MSc degree in Cell Biology at the University of Warsaw he obtained a PhD degree in Biochemistry from the Nencki Institute for Experimental Biology, Warsaw, Poland. He served as Chair of the Department of Biochemistry and as a Vice-Dean (Research), Faculty of Medicine & Dentistry. Our research interests are in the areas of molecular chaperones, molecular stress responses, protein folding and regulation of calcium signalling. Our research group established a role for membranes associated molecular chaperones in congenital heart diseases and in myelin diseases, providing insights into mechanisms and interventional strategies for these and other protein folding, molecular stress and calcium signalling disorders.