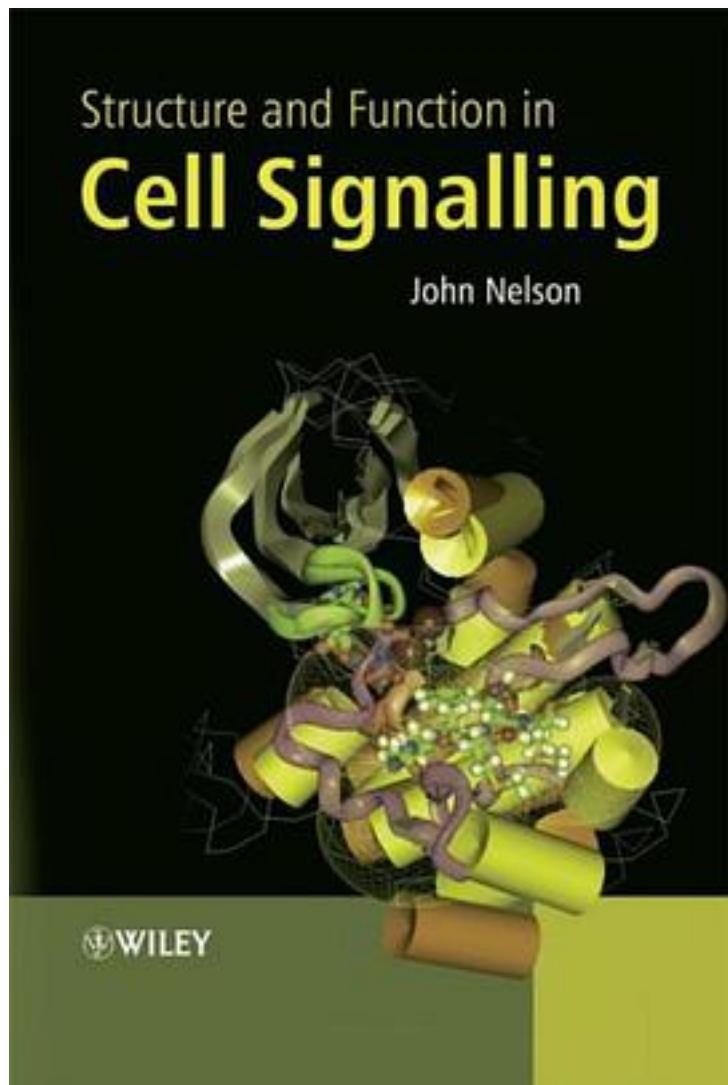


Structure and Function in Cell Signalling



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"This book contains extremely detailed and informative content on structure and function of ligands, receptors, and signalling intermediates plus interactions ... the extent of detail and appropriate referencing is impressive." –Microbiology Today, July 2009 "A very well-written book suitable for use as a reference or textbook for an undergraduate subject in cell signalling. For researchers interested in the molecular basis of cell signalling and how aberrant regulation of cell signalling proteins causes diseases, this is an excellent resource of biochemical and structural information." –Australian Biochemist, August 2009 "From basics to details, this is an elegantly written and carefully edited book. The chapters on cell cycle control and oncogenesis are particularly fascinating and valuable to biomedical research. This is the book to have if you are interested in molecular mechanisms of signal transduction. It is a great introduction to the literature that will be welcomed by students and experts alike." –Doody's, January 2009 This text is a concise and accessible introduction to the dynamic but complex field of signal transduction. Rather than simply cataloguing all signalling molecules and delineating every known pathway, this book aims to break signalling down into common elements and activities – the 'nuts and bolts' of cellular information exchange. With an emphasis on clarity of presentation throughout, the book teaches the basic principles focusing on a mature core of knowledge, providing students with a foundation of learning in this complex and potentially confusing subject. It also addresses the issue of variation in the numbering of key amino acids as well as featuring interaction with RasMol software, and exercises to aid understanding. An accessible introduction to the complex field of cell signalling. Interacts with RasMol software – freely downloadable for viewing structures in 3D. Includes exercises and clear instructions in the use of RasMol. Well illustrated in full colour throughout. Structure and Function in Cell Signalling is an invaluable resource to students across a range of life science degree programmes including biochemistry, cell and molecular biology, physiology, biomedicine and oncology. This book provides a clear, accessible introduction to this rapidly expanding field.

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