

Biology Of Schwann Cells

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The first book to cover the biology of Schwann cells; a fascinating area of peripheral nerve biology. Schwann cells are a diverse group of cells formed from neural crest cells. They are essential components of the peripheral nerves of both vertebrate and invertebrate nervous systems. The diversity of Schwann cell subsets and function is seen in those Schwann cells that form myelin - that uniquely specialised part of the plasma membrane that spirals around axonal lengths to myelinate the peripheral nerves. The Biology of Schwann Cells concentrates on the cells of mammals and in particular humans. It covers the distinction between compact and non-compact myelin in depth, along with the perisynaptic cells which form the partnership between nerve terminals and muscle fibre. Developmental aspects are discussed alongside differentiation, and the genetics of the cells in health and disease. With chapters from world-renowned experts, this book is aimed at postgraduates and researchers in neuroscience and neurology and anyone involved in the study of peripheral nerves. EAN/ISBN : 9780511271304
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