



Organization in the Spinal Cord: The Anatomy and Physiology of Identified Neurones (Paperback)

By A G Brown

Springer London Ltd, United Kingdom, 2011. Paperback. Book Condition: New. 278 x 208 mm. Language: English . Brand New Book ***** Print on Demand *****.The research described in this book arose, in large part, from a sense of frustration. For a number of years I had been studying the physiology of the spinocervical tract, a somatosensory pathway, in the cat s spinal cord. But I did not know, precisely, where the cells of origin of the tract were located and therefore did not know what they looked like or whether there were any correlations between structure and function. It was true that electrophysiological experiments had indicated their probable situation in the dorsal horn, and anatomical work had described the morphology of cells that were likely to give rise to the axons of the tract; but this was not satisfactory. With the publication, by Stretton and Kravitz in 1968, of the Procion Yellow ionophoretic method for intracellular staining, a new tool became available for studying the morphology of physiologically identified neurones. We used the techniques and, although very pleased with the beautiful appearance of the dendritic trees of neurones seen in the fluorescence microscope, we were again frustrated, this time...



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