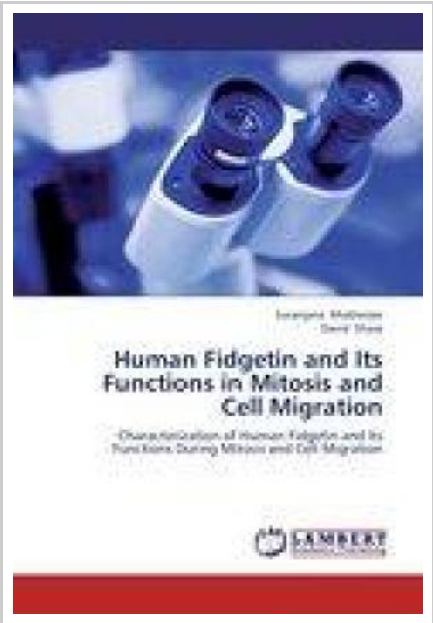

Human Fidgetin and Its Functions in Mitosis and Cell Migration

By Suranjana Mukherjee

LAP Lambert Academic Publishing Okt 2012, 2012. Taschenbuch. Book Condition: Neu. 220x150x6 mm. This item is printed on demand - Print on Demand Neuware - Microtubule is an essential component of the cytoskeleton required for several important cellular processes such as cell division, cellular morphogenesis and migration. In cells, functions of microtubules are tightly regulated by additional microtubule-associated proteins called MAPs. Fidgetin is a microtubule-associated protein, which influences several microtubule based cellular processes by regulating microtubule dynamics. Fidgetin is a microtubule severing and depolymerizing enzyme and possibility by utilizing these properties it regulates mitosis and cellular migration. Both of these processes are extremely important during cell proliferation and tissue morphogenesis. Defects in these processes may lead to malignant transformation and developmental defects including neurodegenerative disease, as the formation of neuronal processe is in many ways a modified form of cell migration. Notably, Fidgetin mutation causes developmental and behavioral defects in mice. This study might lead ways to the molecular etiology of these diseases and develop effective therapeutic strategies for their treatment. 96 pp. Englisch.

Reviews

This book is definitely not effortless to start on reading through but extremely fun to learn. Better then never, though i am quite late in start reading this one. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- ***Aliya Franecki***

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