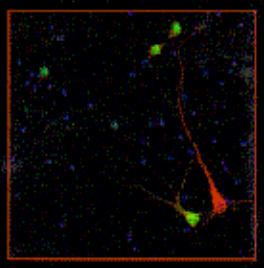
METHODS IN TAU CELL BIOLOGY



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Tau is a microtubule-associated protein with central roles in both normal and pathological neuronal cell biology. This volume of the Methods in Cell Biology series presents methods to investigate normal and pathological tau structure and function in vitro, in cells, and in various model systems. Chapters are devoted to cutting-edge technologies as well as to classic techniques that remain widely used. This volume should be of interest to researchers new to tau and to those already in the field looking to adopt new procedures in their labs or to keep up to date on the latest advances and techniques.

KEY FEATURES

- Presents recent advances and state-of-the-art protocols for investigating tau structure and function
- Contributions by expert experimentalists and principal investigators from the leading labs in the world
- Introduction sections in each chapter provide historical context and background
- Procedures are described in great detail, facilitating their adoption by readers
- Many of the chapters describe procedures that could be readily a

Cover image: In Alzheimer's disease, tau aggregation pathology spreads ... be at least partially enabled by the transmission of tau protein molecules between ... odels, the travel of tau from neuron-to-neuron can be visualized upon AAV-driven ... pecific immunolabeling) and GFP (green), notably as individual proteins: "donor" neurons expressing recombinant human tau and GFP (tau+, GFP+) can be distinguished from "recipient" neurons that received human tau but do not express GFP (tau+,GFP-). Credit: Dr. Susanne Wegmann; for more details, please see the chapter authored by Wegmann and colleagues.

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