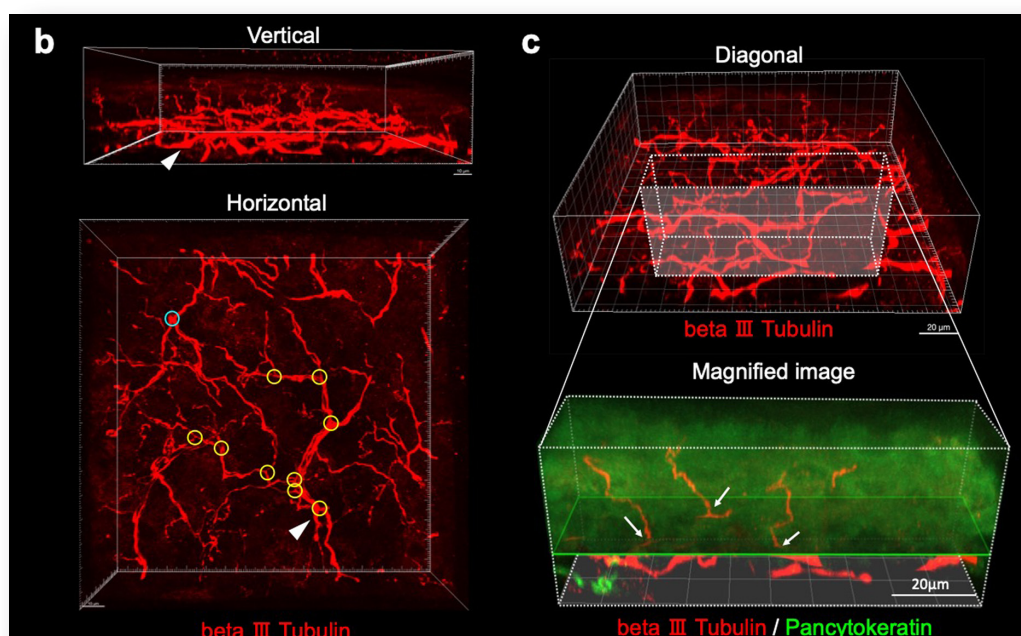




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Description

The *Journal of Toxicologic Pathology* is an official periodical journal of the Japanese Society of Toxicologic Pathology. The journal accepts original papers, short communications, case reports and review articles. One volume published each year is composed of four numbers. Members of the Society are entitled to receive all publications in exchange for his or her membership fee. All articles published in the *Journal of Toxicologic Pathology* represent the opinion(s) of the author(s) and should not be construed to reflect the opinion of the Society.

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Mailing address: Mitsuru Kuwamura, D.V.M., Ph.D., Editor-in-Chief

Editorial Office, *Journal of Toxicologic Pathology*, c/o Publication Center, IPEC, Inc., 1-24-12 Sugamo, Toshima, Tokyo 170-0002, Japan

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Cover: Three-dimensional (3D) analysis of cutaneous small sensory nerve fibers in mice. Red indicates nerve fibers labeled with beta III tubulin, and green indicates epidermis labeled with pan-cytokeratin. Vertical and horizontal images show that dermal nerve trunks, consisting of several large nerve fibers, penetrate just below the epidermis (white arrowheads), branch (yellow circles), and fuse (blue circle) to form a complex meshwork of nerve fibers in the dermis. In addition, the intraepidermal nerve fibers (IENFs) branch from the nerve fiber meshwork in the dermis and then extend spirally and vertically within the epidermis (white arrows). This 3D approach enabled the precise capture of IENF trajectories with various parameters, establishing a standard method for evaluating peripheral neuropathy in laboratory mouse. (See M. Inanaga-Kojima, p 167–175)