

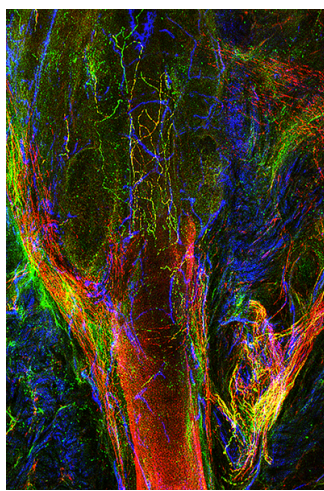


UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Nerves, Vessels and Neuropeptides in and around the Stem Cell Region of a Human Scalp Anagen Hair Follicle Image

Technology No. 20160234-1



Sample

A 4-mm punch biopsy was acquired from a healthy 44-yr old Caucasian male, fixed and vertically sectioned into 200-micron-thick sections.

Biomarkers

Sections were multi-stained with antibodies to the neuropeptide calcitonin gene related peptide (CGRP, green), nerves (PGP9.5, red), and vasculature (*Ulex europeaeus*-FITC, blue).

Acquisition

This image was captured using laser scanning confocal microscopy at 200X magnification and is a projection of one hundred one-micron optical sections.

Awards

- Science and Engineering Visualization Challenge sponsored by AAAS and NSF, Finalist in Photography 2005
- Nikon International Small World Photo Microscopy Contest, Eleventh Place, 1997

Specifications

- Pixel width: 4200
- Pixel height: 6283

Researchers

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