BIOLOGICAL SCIENCES SEMINAR SERIES

"UNLOCKING THE ROLE OF SATELLITE GLIAL CELLS IN SENSORY NEURON FUNCTION IN HEALTHY AND DISEASE STATES"

HOSTED BY:
BIOLOGICAL SCIENCES

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Abstract: We are studying the mechanisms by which sensory neurons with cell body in dorsal root ganglia respond to injury and regenerate their axons. We have discovered multiple neuronal pathways that increase axon growth capacity. We have also shown that the glial cells that envelop the sensory neuron soma, known as satellite glial cells (SGCs) contribute to nerve repair. The pathways we identified in rodents SGCs are conserved in human SGCs. We are now extending our studies to understand the contribution of SGCs to sensory neuron function and dysfunction in disease states, such as autism spectrum disorders, chemotherapy induced neuropathy and aging.

MONDAY, SEPTEMBER 30, 2024
11:30 AM, LILY 1-117

VIA: ZOOM
MEETING NUMBER: 91736585651 PASSCODE: 600600

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