

Distinguished Lecture Series in Physiology

Swetha Murthy, Ph.D.

Assistant Scientist/Professor
Vollum Institute, Oregon Health and Science University

“How do cells sense force, and its importance”

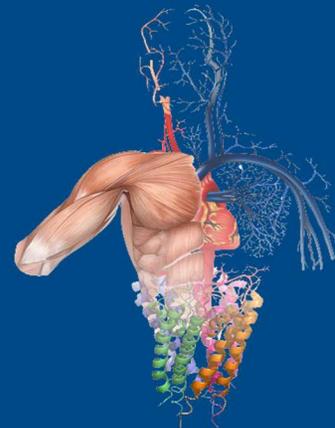
In her seminar Swetha Murthy will discuss the role of the mechanosensitive channel PIEZO2 in mechanical allodynia, which is when gentle touch evokes pain. This phenomenon is one of the leading clinical symptoms of neuropathy-induced pain in humans. Her research suggests that PIEZO2 is the mechanosensor that mediates allodynia and raises the possibility that PIEZO2 could be a viable clinical target to treat neuropathic pain. Dr. Murthy will also discuss some of the current efforts in her lab to delineate functional properties and underlying gating mechanisms of a recently discovered large mechanosensitive ion channel family, OSCA/TMEM63.

Thursday, May 16, 2024
GBSF and Zoom
12 p.m.

May
16



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