The Julius lab is interested in understanding how signals are received and transmitted by the nervous system. They have exploited the properties of natural products to discover a family of thermo- and chemo-sensitive ion channels that enable sensory nerve fibers to detect hot or cold temperatures, or chemical irritants. With the aid of genetic, electrophysiological, and behavioral methods, they have determined how these ion channels contribute to pain sensation.

Dr. Julius is a member of the US National Academy of Sciences, the National Academy of Medicine, the American Academy of Arts and Sciences, and the Hungarian Academy of Sciences (honorary). His awards include the Perl/UNC Prize, the Unilever Science Prize, the Passano Award, the Prince of Asturias Prize for Technical and Scientific Research, the Shaw Prize in Life Sciences and Medicine, the Paul Janssen Prize for Biomedical Research, and the Canada Gairdner International Award.

Dr. Julius will present two lectures in this series

Public Lecture:
Wednesday, October 10, 2018
“Natural Products as Probes of the Pain Pathway: From Physiology to Atomic Structure”
4:10 p.m.
ARC Ballroom

Scientific Lecture:
Thursday, October 11, 2018
“Electroreception in Sharks and Skates: Insights into Sensory Adaption”
4:10 p.m.
GBSF 1005

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Professor John Gray is the campus host. Please contact Professor Gray at john.gray@ucdavis.edu to arrange a meeting with the speaker.