

IGSN - SYMPOSIUM

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Small-Fiber Neuropathy: Mechanisms, Diagnostics, and Therapeutic Frontiers

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TRP channelopathies in painful small fiber neuropathies

Several Transient Receptor Potential (TRP) ion channels expressed in sensory neurons serve as important sensors for noxious temperatures as well as to various irritants. Their role for physiological and pathophysiological nociception has been intensively studied in the past three decades, and they are still regarded as attractive target molecules for the development of novel analgesics. The capsaicin receptor TRPV1 may be the most prominent pain-relevant TRP channel, and we already employ TRPV1 in clinical practice by applying capsaicin for topical treatment of focal painful neuropathies. Meanwhile, a growing number of genetic variants of sensory TRP channels are being identified in patients suffering from chronic pain. This talk provides an overview about our current understanding how genetic variants of TRP channels can cause painful small fiber neuropathies.

Host:

BAFFOUR KYEI SARPONG

Department of Neurology, St. Josef's Hospital, Medical Faculty, Ruhr-University Bochum

Guests are welcome!

