

Invitation to a

Guest lecture

Thursday, December 3rd, 4 pm (s.t.)

Join the video conference here: <https://meeting.uol.de/b/chr-59l-9dv-d3t>

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Dendritic processing in the retina

Dendritic information processing has been recognized as an important factor in neuronal computation. In fact, it has been proposed that the extent of dendritic processing is closely related to the number of computationally relevant degrees of freedom in the brain. Remarkably, Santiago Ramón y Cajal may have already sensed that dendrites are much more than simple input receiving structures. More than 100 years ago he wrote: "... Besides, it appeared to me that certain facts were definitely contrary to the supposed exclusively cellulipetal conduction of the dendrites and cellulifugal of the axons... In such cases it was necessary to admit contact between dendrites of diverse origins and hence conduction indifferently cellulipetal or cellulifugal.". In my talk, I will discuss the role of dendritic processing for retinal computations.

Hosted by Dr. Christian Puller (Visual Neuroscience Lab, Department of Neuroscience)

Members of all institutes are cordially invited to join the lecture.