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MAY 2021

Thursday

WEBINAR

via Webex*

45' (talk) + 30' (discussion)

3.00 - 4.15pm



Astrocyte subsets and connectivity in CNS inflammation

ABSTRACT

Astrocytes play important roles in the central nervous system (CNS) during health and disease. Thus, the identification of factors that regulate astrocyte activity may shed light on CNS physiology and guide new therapies for human neurologic disorders. In this presentation we will discuss mechanisms used by astrocytes to control CNS inflammation. In addition, we will discuss molecular pathways involved in the control of astrocyte function. For example, we recently found that microbial metabolites limit astrocyte pathogenic activities in the context of CNS inflammation, while environmental factors can boost these disease promoting activities. Finally, we will review ongoing efforts on the characterization of astrocyte heterogeneity in MS, and how specific astrocyte subsets interact with CNS-resident and peripheral cells on health and disease.



SPEAKER

Prof Francisco J. QUINTANA

Professor of Neurology, Harvard Medical School
Associate Member, Broad Institute of MIT and Harvard
Incoming President, International Society of Neuroimmunology

HOST:

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