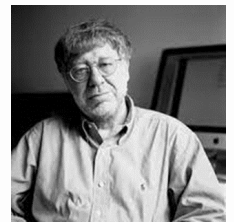




NEUROSCIENCE CONFERENCE SERIES



Dr. Carlo Semenza
Università degli Studi di Padova

"The right hemisphere and calculation"

Abstract:

The talk will review the right hemisphere's contribution to calculation, starting from recent findings opposing traditional wisdom. Re-reading traditional literature leads to posing precise questions that have been empirically addressed mostly in the past decade.

Most of the cited data resulted from investigations on brain-damaged individuals, either as single case or group studies. Crucial findings will be presented from awake surgery. Converging evidence will be reported from techniques such as TMS, MRI and, more recently, MEG.

The resulting picture suggests how the right hemisphere does not have a minor role in calculation. Its functions are not limited, as previously thought, to providing generic sources or to generic spatial processing. The right hemisphere rather supports specific functions, sometimes, but not always, acting in parallel to the left hemisphere to the same aim.

Date: Wednesday 29th June 2022

Hour: 11:00pm

Venue: Aula 2101, Facultat de Psicologia, Campus Mundet



Institut de Neurociències
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