



Title: The vestibular contributions to the bodily self: behavioural, clinical and neuroanatomical evidence.

Bio: Christophe Lopez is research director at CNRS and head of the Multisense&Body team at the Center for Research in Psychology and Neuroscience in Marseille. He has investigated the vestibular contributions to cognition and self-perception during the last 20 years, showed relations between vestibular disorders and altered sense of self and own body representations, and contributed to identify the human cortical vestibular network using neuroimaging studies.

Abstract : I will review data showing that the vestibular system - at the origin of a mostly preconscious and silent sense - is crucial for several facts of the bodily self, including self-location, agency, perspective taking, body ownership and the perceptual body schema. We will present data from patients with peripheral vestibular disorders, patients with epilepsy, as well as results from experiments in healthy participants during artificial stimulation of the peripheral vestibular receptors.