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Cerebellar control of gaze orientation toward visual targets: studies in the non-human primate

Laurent Goffart

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Cerebellar control of gaze orientation toward visual targets: studies in the non-human primate

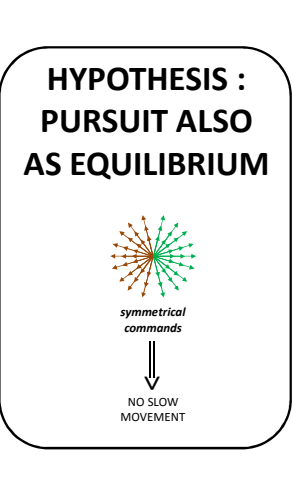
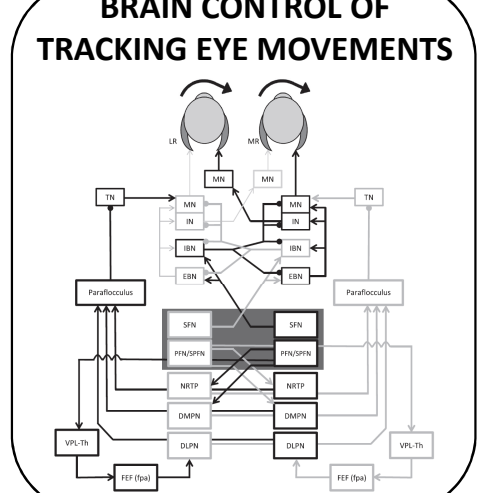
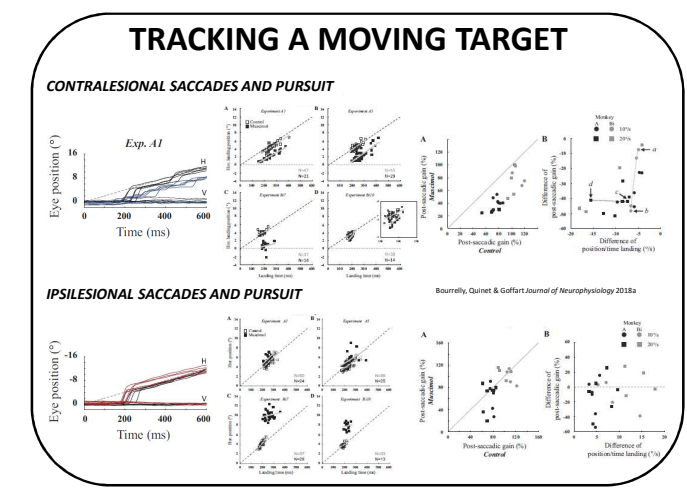
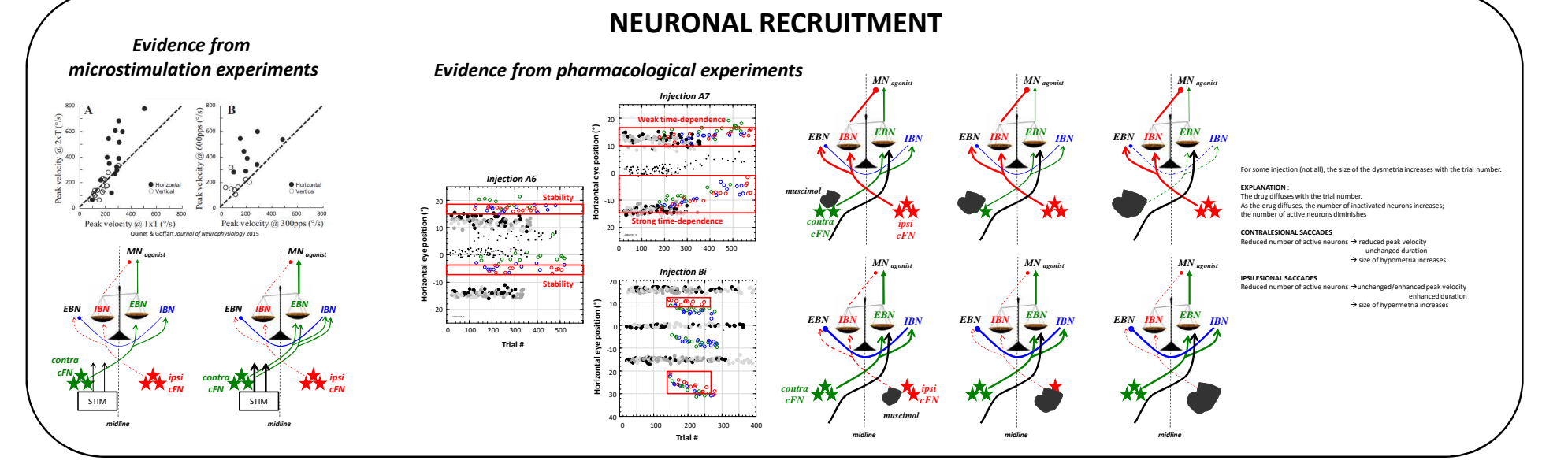
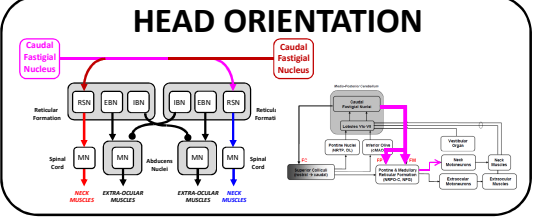
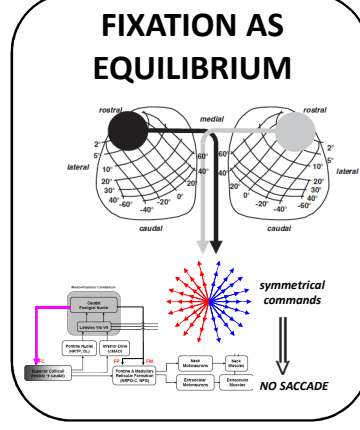
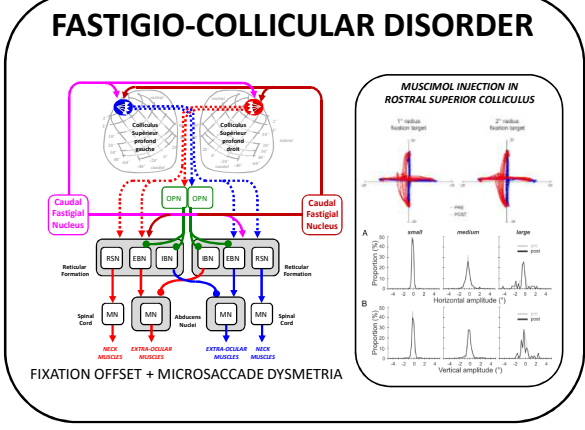
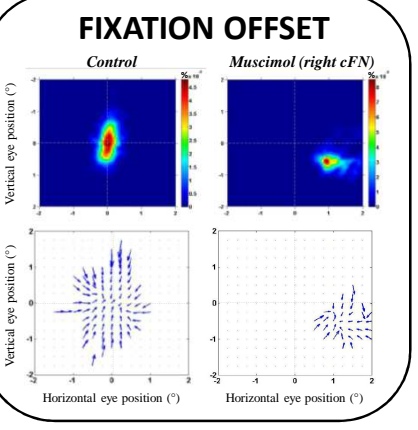
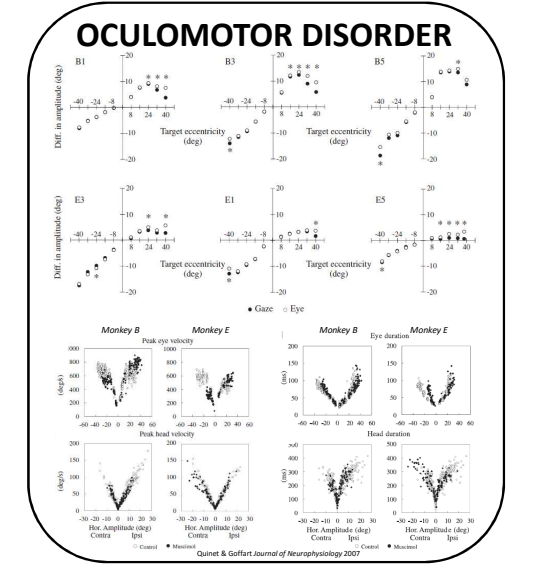
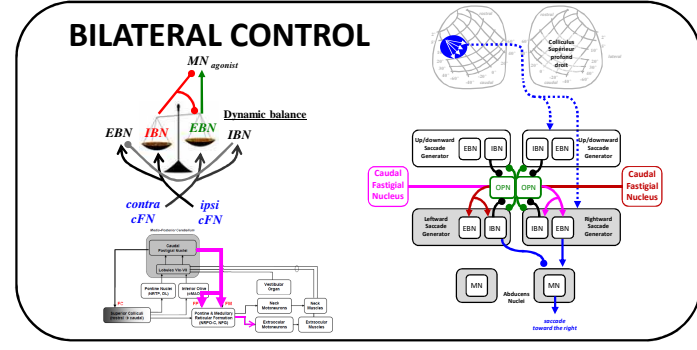
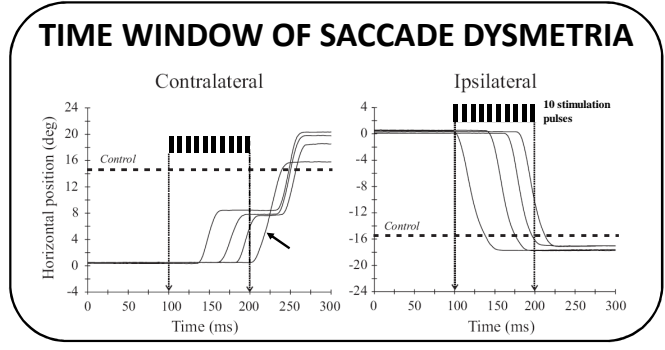
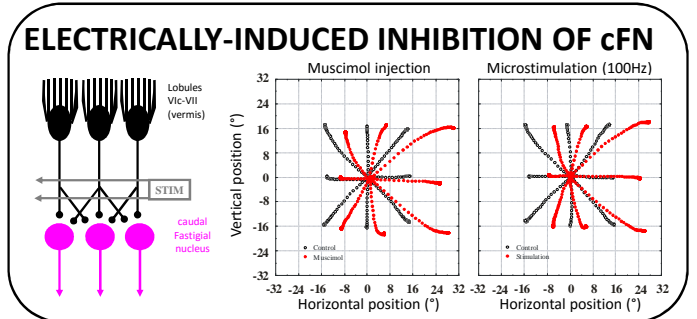
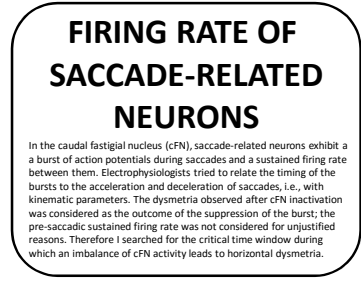
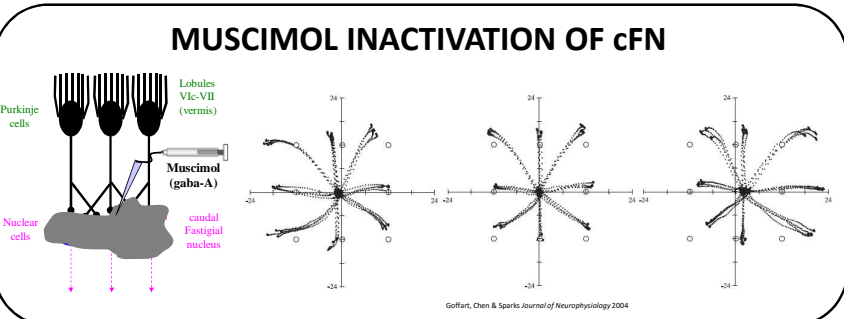
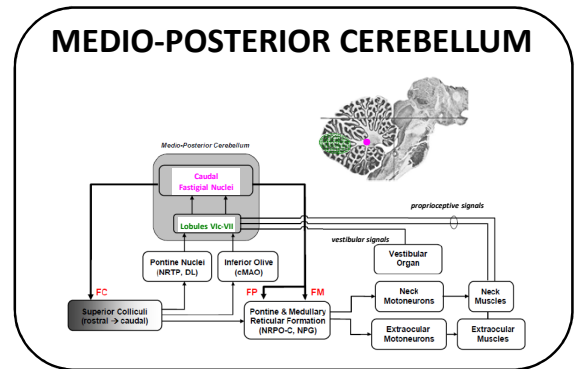
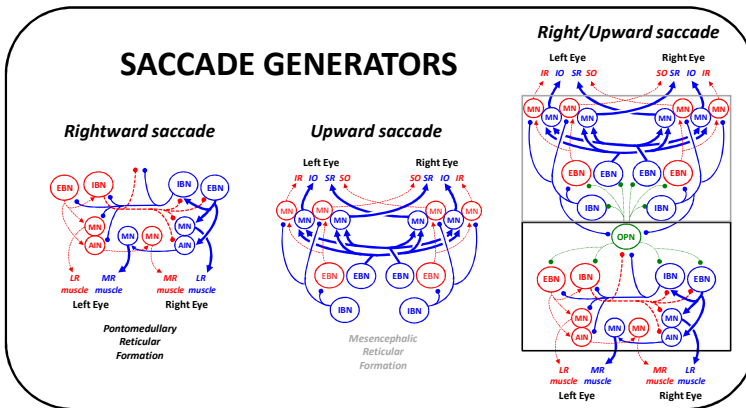
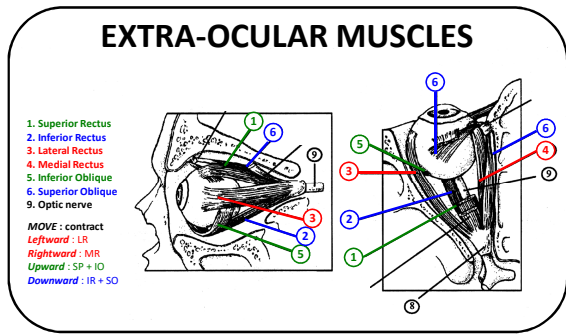
Laurent Goffart



80 years of building new worlds through knowledge

Institut de Neurosciences de la Timone, CNRS – Aix-Marseille Université, Marseille, France

Contact: laurent.goffart@univ-amu.fr



- ### STRENGTH and NOVELTY
- Theory of neural control of movement which is strictly neurophysiological and does not embed kinematic notions (position, amplitude, velocity etc.) within the inner functioning of the brain.
- ### LIMITS and PERSPECTIVES
- Extension to binocular eye movements
 - Connections with reticulo- and vestibulo-spinal tracts (eye-head coupling)
 - Extension to spatial cognition and the neural correlates of loci
 - Inclusion of the climbing fiber input from cMAO
 - Extension to basal ganglia and DA neurons
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