Prefrontal-hippocampal interactions for goal-directed spatial navigation

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Amphitheater, 102-108 rue de la santé - 75014 Paris

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Dr ITO received an ERC grant. His group focuses on brain computation underlying spatial navigation, such as self-localization in space, estimation of a goal’s location, as well as planning for the shortest route to a destination. While this ability is thought to require functional coordination across multiple brain areas, it has mainly been investigated in isolation, especially in the hippocampus or the entorhinal cortex. The aim is to better understand wider neural circuits that play a key role for goal-directed navigation.