TIFR Centre for Interdisciplinary Sciences, Narsingi, Hyderabad 500075

Seminar

Molecular and synaptic architecture of vomeronasal sensory circuits

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Plasticity in synaptic connections between neurons is thought to be a major component underlying learning and memory. Molecular properties of synapses vary depending on the type of circuit, during development, with experience and in synaptopathies. Given their variability and plasticity, profiling synapse molecular organization in intact brain circuits presents a significant challenge. I will present nanoscopic imaging approaches that we have developed to study synapse structure-function relationships in the mouse olfactory sensory system. Our findings reveal major differences within the main and accessory olfactory systems with implications for innate and learned social behaviors.

Tuesday, Dec 10th 2013

11:30 AM (Tea/Coffee at 11:15 AM)

Seminar Hall, TCIS