

Seminar

From alarm to addiction: Zebrafish models for human brain disorders

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We study the mechanisms underlying natural behaviours motivated by rewards and risks in vertebrates. Burgeoning evidence in recent years suggests that a malfunction in circuits regulating such behaviours directly, or indirectly impacts a number of disorders of the brain in humans. We combine genetic manipulation with novel behavioural assays developed in-house and optophysiological interrogation of brain circuits in the zebrafish to study the neurobiology of such dysfunction. In this talk, I will present our work illustrating the journey from studying predator avoidance behaviour in fish to our current interest in the neurogenetics of substance dependence.

Tuesday, July 5th 2022

04:00 PM

Auditorium