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Think Different: The importance of individual differences in decision making

Vendredi 21 janvier 2022

12 h à 13 h

ID de réunion : 880 6617 3443

Mot de passe : 012955

[Lien zoom](#)

Research Interests:

Using touchscreen behavioral testing and a suite of molecular and genetic techniques in mouse models, we work to uncover the molecular mechanisms in mesocorticolimbic regions that permit mice, and us, to learn new goal-directed behaviors, make decisions and choices between options, maintain motivation, and exert control over impulsive and habitual actions.

Because these abilities are often altered in neuropsychiatric diseases, such as in neurodevelopmental disorders including autism and ADHD, understanding the molecular regulators of neuronal ensembles mediating these abilities may reveal what makes these brains unique and identify new therapeutic avenues. Critically, because neurodevelopmental disorders are significantly more prevalent in males, we are working to uncover potential molecular and circuit mechanisms of male vulnerability and/or female resilience to genotypes associated with these disorders.