

IGSN - SYMPOSIUM

Wednesday, October 26th 2022 • 15.00 (3 pm)

Beckmanns Hof

Mechanisms underlying brain plasticity, information encoding and memory

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New or Improved? Parsing the Mechanisms of 'Extinction within the Reconsolidation Window'

Targeting of memory reconsolidation has been proposed as a new form of treatment for numerous mental health disorders based upon maladaptive emotional memories, including post-traumatic stress disorder (PTSD) and drug addiction. The discovery that extinction training shortly after a memory reactivation session aiming to destabilise the original memory – 'extinction within the reconsolidation window' – led to long-term reductions in subsequent maladaptive behaviour led to great excitement within the reconsolidation field. However, the apparent fragility of this phenomenon, coupled with some key failures to replicate in the literature, led my group to investigate whether 'extinction within the reconsolidation window' relies upon reconsolidation mechanisms, or might instead reflect a facilitation of extinction. In my talk, I will present our research, using both pharmacological and non-pharmacological approaches, to address this question for fear and drug memories in rats.

Host:

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