

IGSN - SYMPOSIUM

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From minibrains to thinking brains: studying cognition across levels of neural system complexity

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Social decision-making in rodents

Prosocial behaviours are actions that benefit others. They are thought to be evolutionary conserved across different mammal species however, the behavioural and neural mechanisms that explain this type of actions are yet poorly understood. In this talk we will focus on how animals perceive rewarding states from others and incorporate these into social decision-making. Using novel behavioural paradigms that allow for deep analysis of social behaviour, calcium imaging, closed-loop optogenetic experiments and computational modelling, we will explore how social hierarchy and the perception of the well-being of others guide the decision to help or not to help others.

Host:

CHRISTIAN KLAES

Department of Neurotechnology, University hospital Knappschaftskrankenhaus, Ruhr University Bochum

