

IWR Colloquium

Winter Semester 2020 / 2021

January 20, 2021 • 16:30
Virtual Talk

Speaker:

Dr. Claudio Acuna

Group Leader - Laboratory of Neural Circuits and Behavior,
Institute of Anatomy and Cell Biology, Heidelberg University

Title:

“Linking neural circuits to behavior:
the need of quantitative approaches to assess naturalistic behaviors”

Abstract:

Our lab is interested in understanding the molecular, synaptic and circuit basis of innate social behaviors and its dysregulation in devastating neuropsychiatric diseases such as autism and schizophrenia. In this talk, I will discuss our recent progress in understanding how long-range cerebellar outputs promote and regulate social interactions, and how dysfunction of these circuits might contribute to autism pathogenesis. I will also discuss the value of using quantitative approaches to study naturalistic social interactions, our current attempts to implement these approaches in the lab, and the need of establishing multidisciplinary teams to tackle these challenging questions.

Website Dr. Acuna:

www.ana.uni-heidelberg.de/index.php?id=240

Website IWR-Colloquium:

www.iwr.uni-heidelberg.de/iwr-colloquium