

# Neuroscience Colloquium

Summer Semester 2019

Lectures are held Thursdays, **5 p.m.**

Venue: Paul-Ehrlich Lecturehall, Virchowweg 4, next to CCO

## Nadine Gogolla

MAX PLANCK INSTITUTE, MUNICH, GERMANY

### Aversive state processing in insular cortical circuits

Triggering behavioral adaptation upon the detection of adversity is crucial for survival. The insular cortex has been suggested to process emotions and homeostatic signals, but how the insular cortex detects internal states and mediates behavioral adaptation is poorly understood. In my talk I will present recent data from my lab uncovering a role for the posterior insula in processing aversive sensory stimuli, emotional and bodily states, and in exerting prominent top-down modulation of ongoing behaviors in mice.

I will further present a novel technique we developed to track mouse facial expressions and use them to correlate neuronal activity to subjective experiences. Together, our work aims at a detailed understanding of how insular circuits contribute to the processing and regulation of emotion.

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**Location:** Paul Ehrlich-Hörsaal,  
Charité – Universitätsmedizin Berlin, Campus Mitte  
Virchowweg 4, next to CCO

**Date:** Thursday, **May 9<sup>th</sup>**, **5 p.m.**

**Host:** James Poulet

Neuroscience Colloquium is supported by:

DZNE e.V. German Center for Neurodegenerative Diseases;

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