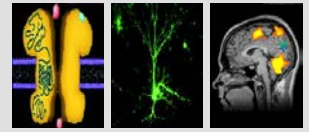## IGSN / SFB 1280 / BIOME
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EXTINCTION LEARNING:
THE NEURAL, BEHAVIOURAL, ONTOGENETIC, EDUCATIONAL, AND CLINICAL MECHANISMS

April 24 - 25, 2018   Veranstaltungszentrum, Ruhr University Bochum

Tuesday   April 24, 13:40 – 16:20

Session 2   **Extinction & Associative Learning – Foundations**

MARIE MONFILS

Department of Psychology, University of Texas at Austin, USA

Predicting extinction phenotype to optimize fear reduction

Fear conditioning is widely employed to examine the mechanisms that underlie dysregulations of the fear system. Various manipulations are often used following fear acquisition to attenuate fear memories. In rodent studies, freezing is often the main output measure to quantify 'fear'. Here, we developed data-driven criteria for defining a standard benchmark that indicates remission from conditioned fear and for identifying subgroups with differential treatment responses. These analyses will enable a better understanding of individual differences in treatment responding.

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