



**PhD position available starting July 1<sup>st</sup> 2023**

Project: **“Neuroendocrine and emotional consequences in orphaned rat mothers”**

Positive social relationships, e.g., between a mother and her young, are vital for mental and physical health. Conversely, sudden disruption of such an important relationship is often followed by emotional distress, triggering severe physical and psychological sequelae, including depression. Therefore, elucidating the neural systems underlying the offspring loss-induced depression is essential to understand and, consequently, develop strategies against the psychiatric consequences of these events. We aim to reach that goal by using lactating rat mothers, and by applying a variety of techniques from shRNA, intracerebral microdialysis, acute or chronic application of receptor (ant-)agonists, and epigenetic approaches to electrophysiology.

**Start of funding on July 1st 2023.** Position is funded for up to three years, according to the German pay scale TV-L E13 (65%). The project is part of the DFG graduate program “Neurobiology of Social and Emotional Dysfunctions” GRK 2174 (<https://www.uni-regensburg.de/research/grk-emotion/>).

Prof. Dr. Oliver Bosch  
AG Maternal  
Department of Behavioural and Molecular Neurobiology  
University of Regensburg

[oliver.bosch@ur.de](mailto:oliver.bosch@ur.de)

<https://www.go.uni-regensburg.de/maternal>