

## **Project Summary**

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Imaging in Psychotherapy and Depression Research

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### **Neurofunctional and neurochemical mechanisms involved in the pathophysiology of depression and its psychotherapeutic treatment**

To date, critical gaps in the knowledge of the neurobiology of depression remain and the neurobiological mechanisms involved in its psychotherapeutic treatment are poorly understood. The aim of this research project is to use multimodal neuroimaging to identify depression related alterations and pre-post treatment changes in task-based and resting-state functional connectivity and metabolite concentrations in relevant brain areas. Further, the project tests if grey matter volume and functional connectivity of specific brain regions predict treatment response to psychotherapy. Insights from this project will increase the understanding of neurofunctional and neurochemical pathways involved in depression and its psychotherapeutic treatment.

Und hier ist der Link zur Webseite der Nachwuchsforschungsgruppe:

<https://www.dppp.uzh.ch/en/researchgroups/juniorresearchgroups/imaging-in-psychotherapy-and-depression-research.html>