

## **How to perform a neuroimaging meta-analysis**

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Neuroimaging studies can help us to gain knowledge about structure-function-relationships in the human brain. However, as in most scientific fields, research findings from individual studies are of limited value unless confirmed in independent studies. Thus, replication of research studies is a central feature of the scientific process. This talk will start with general problems individual fMRI studies face and how neuroimaging meta-analyses can help to solve some of these issues. Then, the different steps of performing a neuroimaging meta-analysis will be explained and best-practice recommendations presented that should help every researcher not only to perform a neuroimaging meta-analysis on their own but also to increase the transparency, traceability and replicability of neuroimaging meta-analytic results.