



ID de Contribution: 8

Type: **Non spécifié**

Enhancing functional neuroimaging with meta-analytic approaches

lundi 30 juin 2014 11:20 (25 minutes)

Functional brain imaging offers a unique view on brain functional organization, which is broadly characterized by two features: the segregation of brain territories into functionally specialized regions, and the integration of these regions into networks of coherent activity. Among other observation modalities, magnetic resonance imaging yields a spatially resolved, yet noisy view of this organization. In this talk, I will discuss how the use of multiple datasets and machine learning tools can enhance the inference procedures that are necessary to go from data to knowledge on the brain.

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Classification de Session: Session 1