

Study design: ZuCo²St

Neuropsychology +
Psychophysiology +
Genetics

1. Baseline (cross-sectional)

73 recreational users
35 dependent users
96 stimulant-naïve controls
204 participants

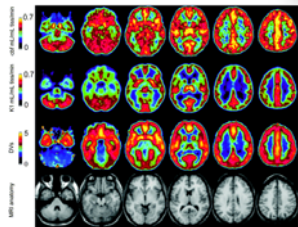
12 month

Neuropsychology +
Psychophysiology

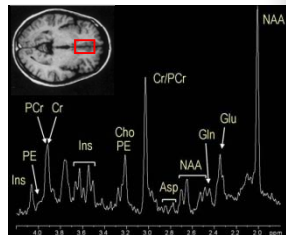
2. Follow-up (longitudinal)

64 recreational users
17 dependent users
51 stimulant-naïve controls
132 participants

PET + MRS + MRI



[¹¹C]-ABP688 PET



[¹H]NMR spectroscopy

PET + MRS (cross-sect.)

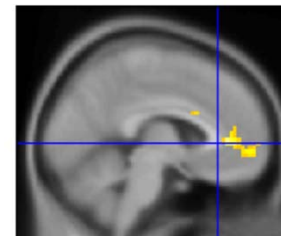
18 chronic users
18 stimulant-naïve controls
36 participants

fMRI + resting-state + ASL (cross-sect.)

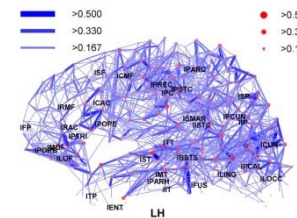
25 chronic users
25 stimulant-naïve controls
50 participants

Structural MRI + resting-state (longitud.)

Xx chronic users
Xx stimulant-naïve controls
Xx participants



Functional MRI



Resting-state connectivity

Early information
processing

Classical
neuropsychology

Social Cognition

Decision-making and
impulsivity

Social decision-making
and neuroeconomics

Genetics and
gene expression

Psychometrics