

# Aberrant Synaptic Plasticity in Cocaine Use Disorder: A 11C-UCB-J PET Study

NCT04721418

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**Status** RECRUITING  
**Sponsor** Yale University  
**Enrollment** 80 participants

## Key Eligibility Criteria

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### Inclusion (5)

- Age 21-60 years
- Physically healthy by medical history, physical, neurological, ECG and laboratory examinations
- For females, a negative serum pregnancy test
- For CUD: DSM-5 criteria for Cocaine Use Disorder and positive urine toxicology showing recent use
- For HC: Negative urine toxicology

### Exclusion (5)

- DSM-5 criteria for other substance use disorders (e.g., alcohol, opiates, sedative hypnotics), except for nicotine
- A primary DSM-5 Axis I major psychiatric disorder (e.g., schizophrenia, bipolar disorder, major depression, etc.) as determined by the Structured Clinical Interview for DSM-5 (SCID-5)
- A history of significant and/or uncontrolled medical or neurological illness
- Current use of psychotropic and/or potentially psychoactive prescription medications
- Medical contraindications to MRI procedure

## Locations (1 total)

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Connecticut Mental Health Center, New Haven, Connecticut, United States