



Addiction Psychology

# Addiction Psychology Internships

## Internship Categories

**Contact +91-8977624748 for joining process**

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Browse Addiction Psychology internship programs at NTHRYS Biotech Labs — academic, professional, industrial and research tracks across the categories below.

## CATEGORIES

### Neuroimaging Brain Activity Addiction Patterns

Examine fMRI and PET scan data to identify neural correlates of substance craving and addiction severity in clinical populations.

### Genetic Risk Factors Addiction Susceptibility

Analyze genetic markers and polymorphisms associated with increased vulnerability to addiction development across different substance types.

### Cognitive Behavioral Therapy Efficacy Trials

Conduct randomized controlled trials measuring CBT intervention outcomes on relapse rates and psychological functioning in addiction treatment.

### Motivational Interviewing Treatment Engagement Research

Investigate how motivational interviewing techniques enhance patient engagement and readiness for change in addiction recovery programs.

### Neurotransmitter Dysregulation Addiction Mechanisms

Study dopamine, serotonin, and glutamate system dysfunction underlying compulsive substance-seeking behaviors and withdrawal symptoms.

### Stress Response Systems Addiction Relapse

Examine HPA axis dysfunction and stress reactivity as predictors of relapse vulnerability in individuals with addiction histories.

### Opioid Use Disorder Medication-Assisted Treatment

Evaluate methadone and buprenorphine treatment protocols, adherence patterns, and long-term recovery outcomes in longitudinal cohort studies.

### Alcohol Dependence Biomarker Identification Study

Identify and validate biochemical markers in blood and cerebrospinal fluid that predict alcohol addiction severity and treatment response.

### **Cannabis Use Disorder Adolescent Brain Development**

Investigate long-term neurocognitive effects of cannabis exposure on adolescent prefrontal cortex maturation and executive function outcomes.

### **Stimulant Addiction Neural Plasticity Changes**

Analyze synaptic remodeling and dendritic spine density alterations in cocaine and methamphetamine addiction using animal models.

### **Family Systems Addiction Treatment Outcomes**

Research how family therapy interventions and relationship dynamics affect individual recovery trajectories and maintained abstinence rates.

### **Comorbid Depression Addiction Treatment Response**

Examine how concurrent major depressive disorder affects addiction treatment engagement, retention, and long-term recovery success.

### **Trauma History Substance Use Etiology**

Investigate relationships between childhood trauma, PTSD, and pathways to addiction development in clinical and community samples.

### **Mindfulness-Based Relapse Prevention Mechanisms**

Evaluate mindfulness meditation interventions on craving response, emotion regulation, and relapse prevention in addiction recovery settings.

### **Environmental Cue-Induced Craving Laboratory**

Conduct cue-reactivity studies using substance-related stimuli to measure physiological and psychological craving responses in addiction samples.

### **Peer Support Group Efficacy Addiction Recovery**

Examine mechanisms of change and recovery support provided by peer-led programs including twelve-step and SMART Recovery approaches.

### **Impulsivity Executive Function Addiction Risk**

Assess relationships between impulsive personality traits, poor executive function, and increased vulnerability to substance misuse development.

### **Prescription Opioid Dependence Transition Research**

Track transitions from legitimate prescription use to dependence and illicit use in longitudinal patient cohort studies.

### **Virtual Reality Exposure Addiction Therapy**

Develop and test immersive VR environments for cue exposure therapy and relapse prevention skill practice in addiction treatment.

### **Sleep Disturbance Addiction Recovery Outcomes**

Investigate how insomnia and circadian rhythm disruption affect withdrawal severity, treatment engagement, and relapse vulnerability.

### **Decision-Making Deficits Addiction Neurobiology**

Examine altered reward processing and decision-making using behavioral economics tasks and neuroimaging in addicted populations.

### **Gender Differences Addiction Treatment Needs**

Analyze sex-based differences in addiction etiology, symptom presentation, treatment preferences, and recovery outcomes across genders.

### **Polydrug Use Interaction Addiction Severity**

Study synergistic effects of multiple substance use on addiction severity, treatment complexity, and health comorbidities.

### **Adolescent Brain Vulnerability Substance Onset**

Research developmental neurobiology explaining heightened addiction vulnerability during adolescent developmental periods.

### **Workplace Substance Abuse Prevention Programs**

Evaluate efficacy of occupational health interventions, drug screening, and employee assistance programs in reducing workplace substance misuse.

### **Animal Models Addiction Drug Self-Administration**

Conduct preclinical research using self-administration models to understand reinforcement mechanisms and test novel addiction pharmacotherapies.

### **Withdrawal Symptom Severity Assessment Methods**

Develop and validate standardized instruments measuring withdrawal syndrome characteristics and predicting detoxification outcomes.

### **Socioeconomic Status Addiction Vulnerability Pathways**

Examine how poverty, limited healthcare access, and social disadvantage increase addiction risk and reduce treatment availability.

### **Dual Diagnosis Treatment Program Effectiveness**

Evaluate integrated addiction and mental health treatment approaches for individuals with concurrent substance use and psychiatric disorders.

### **Reward Processing Deficit Measurement Addiction**

Quantify blunted reward sensitivity and anhedonia using reward-based tasks in individuals with addiction histories.

### **Medication Development Addiction Pharmacotherapy**

Test novel pharmaceutical compounds targeting neurobiological mechanisms of addiction in clinical and preclinical trial frameworks.

### **Relapse Prevention Skill Training Components**

Identify which specific coping skills and relapse prevention strategies most effectively prevent return to substance use.

### **Social Network Influence Addiction Maintenance**

Analyze how peer relationships, social isolation, and network composition affect addiction perpetuation and recovery prospects.

### **Chronic Pain Opioid Misuse Co-occurrence**

Investigate overlap between chronic pain management, opioid prescribing, and development of opioid use disorder in pain patient populations.

### **Cognitive Remediation Addiction Rehabilitation**

Develop and test interventions targeting neurocognitive impairments in memory, attention, and planning during addiction recovery.

### **Internet Gaming Addiction Behavioral Mechanisms**

Research psychological and neurobiological processes underlying internet and gaming addiction in adolescent and adult populations.

### **Ethnic Disparities Addiction Treatment Access**

Examine cultural factors, healthcare barriers, and disparities affecting addiction treatment engagement across racial and ethnic groups.

### **Conditional Place Preference Addiction Research**

Employ CPP paradigm in animal models to assess learned associations between environmental contexts and substance-induced reward.

### **Community-Based Addiction Recovery Interventions**

Evaluate effectiveness of community coalitions, harm reduction programs, and grassroots recovery initiatives in diverse populations.

### **Neuroinflammation Addiction Chronic Disease**

Study chronic brain inflammation markers and neuroimmune activation as contributors to addiction chronicity and relapse vulnerability.

### **Smoking Cessation Intervention Behavior Change**

Investigate behavioral and pharmacological smoking cessation interventions and mechanisms of sustained tobacco abstinence.

### **Impaired Metacognition Addiction Decision-Making**

Assess metacognitive distortions and poor self-awareness in addiction affecting treatment engagement and lifestyle changes.

### **Epigenetic Changes Addiction Gene Expression**

Examine DNA methylation and histone modifications altering gene expression in addiction-related neural circuits and behavior.

### **Exercise Intervention Addiction Recovery Support**

Test physical activity and exercise programs as adjunctive interventions reducing craving, depression, and relapse risk.

### **Medication Adherence Addiction Treatment Outcomes**

Study predictors and interventions improving medication adherence in pharmacological addiction treatment and recovery maintenance.

### **Incentive Motivation Addiction Therapeutic Alliance**

Investigate contingency management approaches using tangible incentives and the therapeutic relationship in addiction treatment engagement.

### **Cultural Adaptation Addiction Treatment Protocols**

Develop culturally-sensitive addiction interventions and research effectiveness across diverse racial, ethnic, and cultural communities.

### **Mobile App Technology Addiction Recovery Support**

Design and evaluate digital health applications providing remote monitoring, skills coaching, and recovery support for addiction treatment.

### **Peer Recovery Specialist Training Effectiveness**

Assess impact of peer specialists with lived recovery experience on treatment outcomes, engagement, and recovery capital development.

### **Prefrontal Cortex Dysfunction Addiction Control**

Examine impaired executive function and self-control mechanisms in the prefrontal cortex contributing to compulsive substance use.