

## **Recent and Current Psychedelic Research**

The World Health Organization's International Clinical Trials Registry Platform ([who.int/ictcp](http://who.int/ictcp)) provides details of clinical trials registered with a range of organisations around the globe. As tabulated below, the ICTRP currently lists 38 active or completed research studies involving psilocybin, 11 involving LSD, one ayahuasca, four ibogaine, four salvinorin A, and 55 mechanistic studies, psychological studies and/or clinical trials involving the empathogen, MDMA. There is also a comprehensive trial underway at Johns Hopkins University investigating the effects of a broad range of hallucinogens and other drugs on mood and performance.

Table 1. Psilocybin Research Projects and Clinical Trials

Site	Sponsor	Focus	Sample Size	Status
<b>Mechanism</b>				
University of Wisconsin	Site-sponsored	Pharmacokinetics	12	Completed
Yale	Heffter	Neuroplasticity in Major Depressive Disorder	18	Active, recruiting
Rigshospitalet Copenhagen	Site-sponsored	5HT2A receptor modulation	45	Active, recruiting
Czech National Institute of Mental Health	Czech Ministry of Health	Psilocybin as a model of psychotic illness	Not disclosed	Active
<b>Mental Health Intervention</b>				
Harbor-UCLA	Heffter	Cancer anxiety	12	Completed
Johns Hopkins	Heffter	Psychopharmacology in cancer patients	56	Completed
Imperial College London	UK Govt (MRC)	Depression	12	Completed
NYU	Site-sponsored	Cancer anxiety	32	Active, not recruiting
UCSF	Heffter River Styx Stupski Usona	Group therapy for AIDS survivors	36	Active, not recruiting
<b>NYU</b>	<b>Usona</b>	<b>Major Depressive Disorder</b>	<b>80</b>	<b>Active, recruiting</b>
<b>Johns Hopkins</b>	<b>Site-sponsored</b>	<b>Anorexia nervosa</b>	<b>18</b>	<b>Active, recruiting</b>
<b>University of Arizona</b>	<b>Site-sponsored</b>	<b>Obsessive-Compulsive Disorder</b>	<b>15</b>	<b>Active, recruiting</b>
<b>University of Zurich</b>	<b>Swiss National Funds</b>	<b>Depression</b>	<b>60</b>	<b>Active, recruiting</b>
<b>Yale</b>	<b>Site-sponsored</b>	<b>Post-traumatic headache</b>	<b>24</b>	<b>Active, recruiting</b>
<b>Multiple</b>	<b>Compass Pathways Ltd</b>	<b>Treatment-resistant Depression</b>	<b>216</b>	<b>Active, recruiting</b>
<b>Yale</b>	<b>Heffter</b>	<b>Neuroplasticity in Major Depressive Disorder</b>	<b>18</b>	<b>Active, recruiting</b>
Imperial College London	Alexander Mosely Trust	Major Depressive Disorder	50	Active, recruiting
Yale	Heffter	Obsessive-Compulsive Disorder	30	Active, recruiting

Johns Hopkins	Beckley, Heffter	Nicotine dependence	95	Active, recruiting
University of Alabama, Birmingham	Site- sponsored	Cocaine dependence	40	Active, recruiting
New York University	NYU, Heffter, UNM	Alcohol dependence	180	Active, recruiting
University of New Mexico	Heffter	Alcohol dependence	10	Active, not recruiting
Johns Hopkins	Site- sponsored	Major Depressive Disorder	24	Active, not recruiting
<b>Johns Hopkins</b>	<b>Site- sponsored</b>	<b>Depression associated with Mild Cognitive Impairment/Early Alzheimer's Disease</b>	<b>20</b>	<b>Not yet recruiting</b>
<b>University of Zurich</b>	<b>Swiss National Funds</b>	<b>Alcohol dependence</b>	<b>60</b>	<b>Not yet recruiting</b>
University of Helsinki	Site- sponsored	Depression	60	Not yet recruiting
<b>Physiological Intervention</b>				
Yale	Site- sponsored	Migraine	24	Active, recruiting
Yale	Heffter, CH-TAC	Cluster headache	24	Active, recruiting
<b>Psychological Study/Spirituality</b>				
Johns Hopkins	Fetzer SF Fund	Spiritual practice	75	Completed
Johns Hopkins	Site- sponsored	Pilot study in meditators	10	Completed
Johns Hopkins	US Govt (NIDA)	Persisting effects of psilocybin	12	Completed
Imperial College London	UK Govt (MRC)	Subjective intensity of psilocybin	12	Completed
Johns Hopkins	Site- sponsored	Behaviour, psychology and brain function in long-term meditators	100	Active, not recruiting
Johns Hopkins	Site- sponsored	Mood and performance	20	Active, not recruiting
University of Zurich	Site- sponsored	Dissolution of Self	140	Active, not recruiting
NYU	Site- sponsored	Religious professionals	12	Active, recruiting

Johns Hopkins	Site-sponsored	Leaders of Religion	12	Active, recruiting
University of Maastricht	Site-sponsored	Cognitive flexibility	60	Not recruiting

Table 2. LSD Research Projects and Clinical Trials

Site	Sponsor	Focus	Sample Size	Status
<b>Mechanism</b>				
University Hospital, Basel	Site-sponsored	Physiological & psychological effects	16	Completed
University Hospital, Basel	Site-sponsored	Neuronal correlates of Altered States of Consciousness	24	Completed
University Hospital, Basel	Site-sponsored	Role of dopamine, serotonin and 5-HT2A receptors in emotion processing	28	Completed
<b>University Hospital, Basel</b>	<b>Site-sponsored</b>	<b>Cluster Headache</b>	<b>30</b>	<b>Active, recruiting</b>
<b>University of Chicago</b>	<b>Site-sponsored</b>	<b>Mood effects of Serotonin Agonists</b>	<b>40</b>	<b>Active, recruiting</b>
University Hospital, Basel	Site-sponsored	Role of 5-HT2A receptor in Altered States of Consciousness	16	Active, recruiting
<b>Mental Health Intervention</b>				
Peter Gasser MD	MAPS	Illness-related anxiety	12	Completed
<b>University Hospital, Basel</b>	<b>Site-sponsored</b>	<b>Major Depression</b>	<b>60</b>	<b>Not yet recruiting</b>
University Hospital, Basel	Site-sponsored	Anxiety	40	Active, recruiting
<b>Psychological Study/Spirituality</b>				
University of Zurich	Site-sponsored	Role of 5-HT2A receptor in perception of self and personal meaning	25	Completed
<b>University Hospital, Basel</b>	<b>Site-sponsored</b>	<b>Altered States of Consciousness elicited by LSD &amp; psilocybin</b>	<b>40</b>	<b>Active, recruiting</b>

Table 3. Ayahuasca Research Projects and Clinical Trials

Site	Sponsor	Focus	Sample Size	Status
<b>Mental Health Intervention</b>				
Universidade Federal do Rio Grande do Norte	University of Sao Paulo	Antidepressant effects	35	Active, not recruiting

Table 4. Ibogaine Research Projects and Clinical Trials

Site	Sponsor	Focus	Sample Size	Status
<b>Mechanism</b>				
University of Otago		CYP2D6 pharmacokinetics	24	Completed
<b>Mental Health Intervention</b>				
Instituto Veracruz de Pesquisa e Tratamento de Dependencia Quimica, Brazil		Cardiac safety of ibogaine treatment of cocaine and crack addiction	70	Not yet recruiting
University of Sao Paulo		Alcohol dependence	12	Not yet recruiting

Table 5. Salvinorin A Research Projects and Clinical Trials

Site	Sponsor	Focus	Sample Size	Status
<b>Mechanism</b>				
Yale	National Alliance for Research on Schizophrenia & Depression	Effects in healthy controls	41	Active, not recruiting
California Pacific Medical Centre	Site-sponsored	Pharmacodynamic and tolerability study	8	Active, not recruiting
Johns Hopkins	Site-sponsored	Effect on brain function	20	Active, recruiting
<b>Psychological Study</b>				
Johns Hopkins	US Govt (NIDA)	Human psychopharmacology	14	Active, not recruiting

Table 6. MDMA Research Projects and Clinical Trials

Site	Sponsor	Focus	Sample Size	Status
<b>Mechanism &amp; Physiology</b>				
University Hospital Basel	Site-sponsored	Effects of Methylphenidate, Modafinil, and MDMA on Emotion-processing in Humans: A PharmacofMRI Study	24	Completed
University of Auckland	Site-sponsored	MDMA and tinnitus	40	Completed
Parc de Salut Mar	National Institute on Drug Abuse	MDMA-Induced Changes in Drug Metabolism: Gender and Genetic Polymorphisms	27	Completed
California Pacific Medical Center Research Institute	Site-sponsored	Study of the Effects of MDMA/Ecstasy on Water Regulation, Sleep, and Cognition.	12	Completed
Dept. of Nuclear Medicine, Hadassah Hospital	Hadassah Medical Organization	Functional Brain Imaging in Recreational Users of Ecstasy	18	Completed
University Hospital Basel	Site-sponsored	Pharmacological Interaction Between Clonidine and MDMA	16	Completed
University Hospital Basel	Site-sponsored	Pharmacological Interaction Between Doxazosin and MDMA	16	Completed
University Hospital Basel	Site-sponsored	Interaction Between Duloxetine and MDMA	16	Completed
University Hospital Basel	Site-sponsored	Pharmacological Interaction Between Carvedilol and MDMA	16	Completed
University Hospital Basel	Heffter	Pharmacological Interaction Between Pindolol and MDMA	16	Completed
University Hospital Basel	Site-sponsored	Interaction Between Reboxetine and MDMA: Pharmacodynamics (PD) and Pharmacokinetics (PK)	16	Completed
University Hospital of	Site-sponsored	Investigation of Serotonin Neurotransmission in MDMA Users	50	Completed

Psychiatry, Zurich		Using Combined Dexfenfluramine Challenge and PET Imaging		
University Hospital Basel	Site- sponsored	Influence of Bupropion on the Effects of MDMA	16	Completed
<b>Yale</b>	<b>Site- sponsored</b>	<b>The Effects of MDMA on Prefrontal and Amygdala Activation in PTSD</b>	<b>20</b>	<b>Active, recruiting</b>
<b>University Hospital Basel</b>	<b>Site- sponsored</b>	<b>Effect of MDMA (Serotonin Release) on Fear Extinction</b>	<b>30</b>	<b>Active, recruiting</b>
University of Maastricht	Netherlands Organization for Scientific Research	MDMA en prosociaal gedrag: De rol van de 2a-serotonine receptor.	20	Active, recruiting
UCSF	MAPS	MDMA in Subjects with Moderate Hepatic Impairment and Subjects with Normal Hepatic Function	16	Not yet recruiting
<b>Mental Health Intervention</b>				
Michael Mithoefer MD	MAPS	MDMA-assisted and Cognitive- Behavioral Conjoint Therapy (CBCT) in Dyads with One Member with Chronic PTSD	12	Completed
Philip Wolfson MD	MAPS	MDMA-assisted Psychotherapy for Anxiety Associated with a Life- threatening Illness	18	Completed
Los Angeles Biomedical Research Institute	MAPS	MDMA-assisted Therapy for Social Anxiety in Autistic Adults	12	Completed
Dr Ingrid Pacey	MAPS	Randomized, Double-blind, Controlled of MDMA-assisted Psychotherapy in 12 Subjects With PTSD	6	Completed
Marcela Ot'alora	MAPS	Dose-Response Study of MDMA- assisted Psychotherapy in People With PTSD	27	Completed
Beer Yaakov Mental Health Center	MAPS	Randomized, Double-blind, Active- placebo Controlled Study of MDMA-assisted Psychotherapy in People with Chronic PTSD	10	Completed
Michael Mithoefer MD	MAPS	Additional MDMA-assisted Psychotherapy for People Who Relapsed After MDMA-assisted Psychotherapy Trial	3	Completed

Michael Mithoefer MD	MAPS	MDMA Along with Psychotherapy in Veterans with Posttraumatic Stress Disorder	26	Completed
Peter Oehen MD	MAPS	MDMA-assisted Psychotherapy in People with Posttraumatic Stress Disorder	14	Completed
Michael Mithoefer MD	MAPS	MDMA-Assisted Psychotherapy in People with Posttraumatic Stress Disorder	23	Completed
Instituto Plantando Consciência - Sao Paulo, SP, Brazil	MAPS	MDMA-assisted psychotherapy in the treatment of trauma	4	Active, not recruiting
Dr Simon Amar	MAPS	Study of Safety and Effects of MDMA-assisted Psychotherapy for Treatment of PTSD	5	Active, not recruiting
Imperial College London	Alexander Mosley Charitable Trust	Exploring MDMA in psychotherapy in detoxified patients with alcohol dependency syndrome	Not specified	Active, not recruiting
<b>Michael Mithoefer MD</b>	<b>MAPS</b>	<b>Psychological Effects of MDMA When Administered to Healthy Volunteers (MT-1)</b>	<b>100</b>	<b>Active, enrolling by invitation</b>
<b>Multiple sites</b>	<b>MAPS</b>	<b>A Multi-Site Phase 3 Study of MDMA-Assisted Psychotherapy for PTSD</b>	<b>100</b>	<b>Active, recruiting</b>
Multiple sites	MAPS	Open Label Multi-Site Study of Safety and Effects of MDMA-assisted Psychotherapy for Treatment of PTSD	60	Active, recruiting
<b>Multiple sites</b>	<b>MAPS</b>	<b>A Multi-Site Phase 3 Study of MDMA-Assisted Psychotherapy for PTSD (II)</b>	<b>100</b>	<b>Not yet recruiting</b>
<b>Michael Mithoefer MD</b>	<b>MAPS</b>	<b>Psychological Effects MDMA When Administered to Healthy Volunteers (MT-2)</b>	<b>150</b>	<b>Not yet recruiting</b>
<b>MAPS Europe</b>	<b>MAPS</b>	<b>Open Label Multi-Site Study of Safety and Effects of MDMA-assisted Psychotherapy for Treatment of PTSD With Optional fMRI Sub-Study</b>	<b>40</b>	<b>Not yet recruiting</b>
<b>University of Otago</b>	<b>Site-sponsored</b>	<b>Effect of MDMA-assisted therapy on Mood and Anxiety symptoms in advanced-stage Cancer</b>	<b>24</b>	<b>Not yet recruiting</b>



University of Maastricht	MAPS	Een studie naar de veiligheid en effecten van psychotherapie in combinatie met MDMA als behandeling voor zware post-traumatische stress stoornis	Not specified	Not yet recruiting
Beer Yaakov Mental Health Center	MAPS	Randomized Placebo-controlled Study of MDMA-assisted Psychotherapy in People with PTSD - Israel	12	Terminated
Brigham & Women's Hospital	Site-sponsored	MDMA-assisted Therapy in People with Anxiety Related to Advanced Stage Cancer	2	Terminated
<b>Psychological Study</b>				
University of Chicago	National Institute on Drug Abuse	Effects of MDMA on Social and Emotional Processing	65	Completed
University Hospital Basel	Site-sponsored	Effects of MDMA and Methylphenidate on Social Cognition	30	Completed
University Hospital Basel	Site-sponsored	Emotional Effects of Methylphenidate and MDMA in Healthy Subjects	16	Completed
University Hospital Basel	Site-sponsored	Role of Dopamine, Serotonin and 5-HT2A Receptors in Emotion Processing	28	Completed
Michael Mithoefer MD	MAPS	Exploring Mechanisms of Action in MDMA-assisted Psychotherapy for PTSD	10	Completed
California Pacific Medical Center Research Institute	Site-sponsored	Role of Serotonin in Acute and Subacute MDMA Effects	13	Completed
University of Chicago	Site-sponsored	Effects of MDMA on Emotional and Social Memories	60	Active, not recruiting
University of Maastricht	Site-sponsored	MDMA and memory	16	Active, not recruiting
<b>University of Chicago</b>	<b>Site-sponsored</b>	<b>Effect of Stimulant Drugs on Social Perception</b>	<b>40</b>	<b>Active, recruiting</b>
<b>University of Chicago</b>	<b>Site-sponsored</b>	<b>Effects of Drugs on Responses to Brain and Emotional Processes</b>	<b>45</b>	<b>Active, recruiting</b>
<b>Emory University</b>	<b>MAPS</b>	<b>Evaluation of MDMA on Startle Response</b>	<b>30</b>	<b>Active, recruiting</b>

<b>University of Maastricht</b>	<b>Site-sponsored</b>	<b>Effects of MDMA on memory when witnessing or committing a simulated crime</b>	<b>64</b>	<b>Active, recruiting</b>
Michael Mithoefer MD	MAPS	Psychological Effects of MDMA When Administered to Healthy Volunteers	100	Active, recruiting
University of Maastricht	Netherlands Organization for Scientific Research	MDMA, Cortisol and Memory	60	Active, recruiting
University Hospital Basel	Site-sponsored	Effect of MDMA (Serotonin Release) on Fear Extinction	30	Not yet recruiting
University of Maastricht	Netherlands Organization for Scientific Research	MDMA and prosocial behavior	18	Not yet recruiting