

ABSTRACTS COLLECTION

ACNP 60th Annual Meeting: Keyword Index

Neuropsychopharmacology (2021) 46:554–569; <https://doi.org/10.1038/s41386-021-01240-x>

Keyword	Submission Number(s)
(2R,6R)-hydroxynorketamine	P87, P366
(2S,6S)-HNK	P60
(R,S)-ketamine	P50, P60
1H MRS	P526
1H-MRS	60.2, P579
22q11 deletion syndrome	38.2, P459, P495, P529
22q11.2 deletion syndrome	P570
2-AG	P40
2-photon techniques	P114
3-hydroxykynurenine	P577
5-HT2A receptor	2.2
5-HT2A receptors	P802
5-HT3 receptors	17.2, P574
5HT4R agonist	P239
7 Tesla fMRI	P483
7T fMRI	P789
A1 adenosine receptor	P400
a4b2 nicotinic acetylcholine receptors	P668
a4b2 receptors	P706
ABCD	P63
ABCD study	27.2, 28, 28.5, P164, P169
abdominal obesity	P335
abstinence	P598, P770
Abuse Liability	P584, P660
Abuse Potential Study	P315
accelerated aging	27.3, P354, P362
Acetylcholine	30.4, 56, P52
Active Avoidance	35, P33
Active Inference	P719
Acute and Chronic Stress	27.3
Acute Stress	P49, P87, P136, P251, P357, P437, P593, P698, P826, P829
Acute Traumatic Stress	P99
Adaptive Behavior	P348
addiction	1.4, 34, 46, 46.1, 46.2, 55.3, P90, P625, P697, P701, P764
addiction circuitry	P601
Addiction phenotypes	1, 1.2, P182, P199, P595, P687, P735, P778
Adenosine signaling	P117
ADHD	9, 9.1, P105, P122, P127, P146, P397, P398, P399, P797
Adiposity	P453
adjunctive treatment	P510
adjustment	P434
Adolescence	P13, P30, P109, P143, P145, P157, P162, P169, P196, P206, P316, P341, P653, P704, P739, P774
Adolescence- Critical Period	P119, P121, P162, P537
Adolescent	9.3, P249, P587, P817
Adolescent Alcohol	P161, P720, P747
Adolescent Alcohol Use	P691, P702, P774
Adolescent Anxiety	P159, P763
Adolescent binge drinking	P763
Adolescent Brain Cognitive Development Study	P801
Adolescent Depression	43.4, P282, P325
adolescent development	P148
Adolescent	PTSD P130, P167
adolescent schizophrenia	P160
adolescent stress	P578, P787
adult antisocial behavioral syndrome	P204
adult hippocampal neurogenesis	P217, P259
Adverse childhood events	14, P170
adverse childhood experiences (ACE)	P430
Adversity	P387
aerobic exercise	P108
affective behavior	42, 56.4
affective components of pain	42.2, P339
affective neuroscience	P172
Affective theory of mind	P143
African American	27.1
age effects	P104
Ageing	P15, P23, P24
agency	P503
aggression	39.2, 47, P127, P210, P238, P635
Aging	8.3, 33, P4, P26, P530
Air Pollution	44, 44.3, 44.4
Alcohol	17.4, 31.4, 46.1, 55.2, 55.3, 56.4, P249, P263, P604, P635, P664, P666, P672, P685, P686, P692, P700, P704, P707, P726, P771, P777, P778
Alcohol and substance use disorders	17.3, 42.1, P205, P595, P611, P671, P703, P711, P769
Alcohol consumption	34.2, P332, P632, P725, P778
Alcohol dependence	P184, P618, P681, P698, P762
alcohol drinking	P593
Alcohol epigenetic marks	31.2, P234
alcohol preference	P750
Alcohol Sensitivity	P332
alcohol use disorder	31.2, P285, P605, P610, P618, P648, P649, P680, P678, P741, P766, P767
Alcohol Use Disorder - Treatment	17.1, 17.2, 34, 34.2, 34.3, P630, P639, P734
Alcohol use disorder and drug addiction	25.3, 45.4, 46.3, P687, P704
alcohol withdrawal	P591, P644, P662, P683, P692
ALDH-2	P639
allopregnanolone	31, 31.3, 31.5

- allosteric modulatorP330
- alpha oscillationsP561
- alpha7 nicotinic acetylcholine receptor6, 6.5, P617
- AltitudeP281, P338
- Alzheimer's dementiaP791
- Alzheimer's Disease48, 56, 56.1, 56.2, 56.3, P2,
P6, P7, P8, P10, P16, P19,
P25, P306, P409, P782
- AmbiguityP826
- AmphetamineP446, P505, P576, P597
- Amygdala29.4, 39.3, 43.3, 45.2, 46.1,
P27, P41, P84, P89, P95,
P236, P267, P337, P387, P447,
P653, P747, P759, P793, P794
- amygdala-based networks43.4
- analgesiaP366, P408, P732
- AnalgesicP102
- Anandamide42.4
- AndrogenP12
- anhedonia51.1, P128, P247,
P282, P310, P324,
P341, P388, P789, P803
- Animal Models25.3, 46.2, 57, 57.2,
P338, P463, P661, P725, P730
- anorexia nervosa14, 14.1, 14.3,
P187, P189, P196
- Antagonist LigandsP590
- anterior cingulateP37.5
- Anterior Cingulate Cortex (ACC)35, 35.4, 42.2, 55.2,
P33, P175, P260, P331,
P339, P441, P528, P769
- Anterior insula35.2, P260, P578, P604
- anterior limb of the internal capsule35.5
- anthranilic acidP577
- anticholinergicP573
- Anticholinergic medication burdenP477, P573
- Antidepressant21.4, P12, P218, P297,
P315, P369, P390, P400
- Antidepressant Induced ManiaP302
- antidepressant pharmacotherapy8.4
- Antidepressant TreatmentP394
- Antidepressant Trials8.2
- Antidepressants8.1, P183, P333, P448
- anti-gliadin antibodies (AGA)P569
- Anti-inflammatoryP366
- anti-inflammatory cytokines34.3
- AntipsychoticP463, P493, P507, P547, P559
- Antipsychotic agentsP453
- Antipsychotic drugsP510
- Antipsychotic response60, P506
- Antipsychotic TreatmentP17, P373
- Antipsychotic-naïve first-episode schizophreniaP506, P542
- antipsychotic-naïve schizophreniaP526
- AntipsychoticsP458, P509, P563, P577
- antisocial personality disorderP204
- Anxiety9, 9.2, 22, 37.4, P7, P32, P37, P43,
P54, P58, P78, P90, P222, P239,
P433, P633, P747, P816, P828
- Anxiety & PTSD31, P42, P55, P64, P88, P89
- Anxiety and DepressionP80, P177, P234,
P309, P356, P786
- Anxiety and stressP11, P39, P41, P86, P140
- Anxiety circuitry22.4, P69, P331
- Anxiety Development26.2
- Anxiety DisorderP92
- anxiety disordersP28
- anxiolyticsP283
- ApoptosisP558
- appetiteP357
- Approach/AvoidanceP73, P745
- aromataseP656
- arousal46.4
- Arterial Spin LabelingP148
- Artificial transcription factorsP723
- artificial intelligence3, 3.1, P127
- associative learningP27, P655, P785
- AstrocyteP301, P637, P713, P813
- astrocyte-derived exosomes (ADE)P248
- astrocyte-neuron interactionP597
- astrocytesP117, P358, P717, P754
- astrogliosisP425
- AtomoxetineP208
- AttentionP26, P208, P693
- attentional biasP203
- Atypical antipsychoticsP480, P491
- auditoryP525
- Auditory cortexP467
- Auditory fear conditioningP33, P95
- Auditory hallucinationsP467, P473
- Auditory Mismatch NegativityP470, P562, P574
- Auditory perceptionP535
- auditory processingP460
- auditory steady-state responseP562, P574
- Auditory StriatumP535
- augmentation strategies8
- Autism11, 16.2, 38.4, P124,
P129, P137, P142
- autism spectrum disorder16.4, 36, P112, P120,
P126, P150, P154, P163, P418
- Autism spectrum disorder and
related syndromes16, P171, P512
- Automated Facial Affect RecognitionP495
- automated natural speech analysisP98
- avoidanceP292
- avoidance and escapeP41
- avolitionP821
- AXS-05P245
- ABP306
- baclofenP173
- balloon analogue risk taskP695
- Bariatric SurgeryP197
- Basal Ganglia35.3, P413, P823
- base excision DNA repairP381
- basolateral amygdala22.2, P36, P69, P665, P737
- BDNFP320
- BDNF Val66MetP30, P42
- bed nucleus of the stria terminalis39.2, P825
- behaviorP570
- behavior predictorP105
- behavioral activation systemP200
- behavioral economics20.3
- behavioral flexibility35, 57, P591
- behavioral geneticsP714
- behavioral inhibitionP313
- behavioral inhibition systemP200
- Behavioral Pharmacology34.2, P627
- Behavioral TasksP802
- behavioral variant frontotemporal dementiaP791
- BehaviorsP317
- Biased signaling42.3, P600
- big data37.3, P17
- big data analysis30.2, 49
- Binge alcohol useP645
- Binge eatingP188, P193
- binge-drinking34.4
- Binge-eating disorderP193

- Bioenergetics P322, P338
 bioinformatics P355, P550, P611
 Biomarker Fingerprint P572
 Biomarker Prediction P140, P318
 biomarkers 21, 31.5, 36, 60.4, P19, P29,
 P163, P369, P375, P394, P496, P749
 biostatistics 3
 biotypes 60.4
 bipolar depression P305, P319, P373
 Bipolar Disorder 9.1, 42.4, P17, P228, P236,
 P238, P255, P270, P275, P284, P288,
 P302, P304, P307, P321, P332, P362,
 P363, P375, P381, P390, P397,
 P398, P399, P504, P575
 Bipolar I & II disorder P373
 Bisque P276
 Blood pressure P72
 Blood-Brain-Barrier 4.2, P504, P530
 BNST P86, P104, P290
 body dysmorphic disorder P439
 Body mass index P186
 body perception P187
 body self 2.4
 BOLD fMRI signal P286, P793, P796
 Borderline Personality Disorder P447, P448
 Brain 23, 23.4, P43, P93, P777
 Brain age P1, P20, P394
 Brain Anatomy P277
 brain circuitry P36, P489
 brain connectome P593
 Brain development 33, 54.1, P110, P117,
 P149, P168, P292, P416
 brain endophenotypes 7
 brain imaging 9.1, 27, 55, P551
 brain microvascular endothelial cells P329, P504, P530
 Brain Stimulation 50.5, 55
 Brain Structural Connectivity P565
 brain structure P675
 Brain Transcription 39.5, P220
 Brain-based Predictor P799
 Brain-enriched exosomes P38
 Brainstem 56.1, P698
 breast cancer chemotherapy P180
 bulimia nervosa 14, 14.2, 14.3, P193
 Buprenorphine P682
 CA1 P486
 calcium imaging P754, P823
 callous/unemotional P202
 Callous-unemotional traits P143
 cAMP signalling P413
 canabinoid receptors P755
 Cannabidiol P424, P616, P742, P805
 Cannabinoids P26, P620
 cannabis 13, 13.2, 13.3, 42.4, 55.4,
 P111, P481, P558, P606, P631, P633
 cannabis use P587, P615
 cannabis use disorder 13.5, 55, 55.5, P179,
 P502, P583, P587, P693, P695, P749
 Cardiolipin P297
 Cardiometabolic Risk P44, P226
 cardiovascular P29
 Cardiovascular Physiology P53, P530
 catalepsy P732
 catatonia P533
 causal discovery analyses P150
 CBT and antidepressants 21.3
 Cell- and Circuit-selectivity P177
 Cell Type Specific 29.2, P91, P468
 Cell-free DNA P375
 Cell-type diversity P4
 central amygdala P681, P711
 Central autonomic network P326
 Central Nervous System P509
 cerebellum 28.5, P97, P321, P503
 c-Fos P437, P607, P722, P747
 Chemobrain P5
 chemogenetics 44.4, P114, P212, P277,
 P594, P626, P676, P781, P808
 chemotherapy-induced peripheral neuropathy P420
 Child abuse and neglect P110
 child maltreatment P170
 child offspring P405
 Childhood Adversity 24, 54.4, P44, P149, P296, P825
 childhood anxiety P85
 childhood maltreatment P389
 Childhood maltreatment exposure P674
 Childhood Onset Bipolar Disorder P288
 Childhood trauma 14.4, P64, P110,
 P130, P164, P748
 Childhood-onset schizophrenia P160
 Children P111
 Children and Adolescents 9, 54.4, P131
 choice P602
 Choline analog P407
 cholinergic interneuron P207
 cholinergic system 56.3, P4, P256, P407
 CHRNA5 P686
 chromatin P80
 chromatin modifications P708
 Chronic corticosterone P340
 chronic pain P417, P608, P730
 chronic social defeat P221, P290
 chronic stress P212, P265, P300,
 P301, P344, P395
 Chronic unpredictable mild stress P320, P340, P343
 cingulo-opercular network P28
 circadian P409
 circadian rhythm P180, P383, P401, P532, P739
 circRNA P634
 Circuit Function in Humans 37.2
 circuit optogenetics 45, P814
 Circuit-function 54.1
 Circuitry-based approach 37.2
 circuits 39, P327, P672
 Circulating cell-free mitochondrial DNA 28.3, P211, P255
 Circulating mitochondrial DNA P275
 Claims database P541
 claustrum P751
 clinical assessment P516
 Clinical Development 3.3
 Clinical heterogeneity 38.4, P226, P288
 clinical high risk for psychosis 36
 Clinical interventions P206
 clinical outcome assessments 36
 Clinical predictors P494
 Clinical psychiatry P272
 clinical psychopharmacology P507
 Clinical trial 13, 37.3, P28, P328,
 P368, P386, P418, P630
 Clinical Trial Rating Methods P100
 clinical trials methodology P160
 clozapine 60.4, P568, P579
 clozapine response 60
 Cluster Analysis P428
 CNS Clinical Trials 3, 3.3, 36, P272,
 P525, P554, P572

- coactivation pattern analysisP389
- cocaine 10.2, 29.3, P175, P596, P622, P636, P637, P640, P643, P656, P713, P751, P761, P764, P813
- cocaine addictionP609, P613, P657, P659, P752, P759, P772, P780
- cocaine and opioid use disordersP693, P723
- cocaine seekingP770
- cocaine self-administrationP629, P714, P740, P743, P756, P768
- cocaine self-administration and reinstatementP607, P722
- cocaine sex differences 10, 10.4
- cocaine use disorderP583, P590, P671, P674, P675, P740, P743, P804
- cocaine-seeking behaviorP634, P740
- Cognition 1.4, 6.2, 13.2, 17.2, P5, P9, P13, P51, P374, P406, P455, P487, P539, P564, P572, P573, P617, P798, P813, P814
- cognitive and affective neuroscienceP670
- cognitive behavioral therapy51.3
- cognitive control9.2, 18, 57, 57.4, P143, P208, P209
- cognitive control network 26.4, P804
- Cognitive Decline P12, P664
- cognitive developmentP166
- Cognitive dysfunctionP814, P827
- cognitive flexibility 16.3, 57.2, P324, P346, P353, P710, P751
- cognitive functionP591
- Cognitive FunctioningP116, P477, P517, P537
- Cognitive impairment associated with schizophrenia P450, P462, P560, P562, P574
- Cognitive impairmentsP499
- cognitive neuroscienceP196
- Cognitive performance 6.3, P538
- cognitive skillsP139
- Cognitive symptomsP430
- Cognitive trainingP610
- Commercial insuranceP541
- communication 58
- Comorbidity 17, P440
- Complement component 4 52.4
- complement pathway52.4
- compulsionP604
- Compulsive behavior 1, 1.2, 1.4, 50.3, 50.4
- compulsive drug intakeP641
- compulsivity 1.1, 1.3, P194
- Computational Methods 22.5, P461, P829
- computational modelingP433, P652, P719
- computational models of decision-makingP310
- Computational Neuroscience 3.2, P807
- computational psychiatry 35.3, P324
- Computational Reinforcement Learning Model P55, P800
- Computer visionP421
- Computerized Cognitive TrainingP576
- COMT inhibitorP443
- conditioned fear memory P36, P69
- conditioned place preferenceP627, P642, P651, P656
- conduct disorderP204
- conflict monitoring22.5
- connectivity P22
- Connectivity gradientsP441
- consortiumP736
- ContextP748
- contextual fear P50
- contingency managementP179
- Convulsion-like modelP407
- copingP266, P728
- copy number variants P512
- corollary discharge P503
- Cortical atrophy P32
- cortical circuit developmentP543
- Cortical Development P138
- cortical excitabilityP431
- cortical excitation-inhibition balanceP232
- cortical interneuronsP471
- Cortical MyelinationP107
- cortical thicknessP186
- cortical thinning52.4
- corticolimbic 42, P766
- corticosteroneP180, P269
- Corticosterone response to stressP340
- Corticoatrial circuitP266
- Cortico-striatal connectivityP441
- Corticotropin-releasing factor (CRF)P252
- CortisolP58, P68, P251, P760
- Cortisol response to stressP357
- counting Stroop Functional MRI (fMRI)P203
- Court-involved youthP206
- COVID-19 6, 6.2, 23, 23.2, 23.3, 23.4, 23.5, 54, P11, P99, P140, P151, P178, P183, P253, P272, P434, P440, P544, P680, P700, P826
- craving 20.5, P588, P610, P639, P678
- c-reactive proteinP498
- creativityP824
- CRF P35
- CRHP387
- CRH+ neuronsP114
- CRISPRP756
- CRISPR/dCas929.3
- cross validationP511
- CSFP178
- CSF BiomarkersP411
- CSF sTREM2P306
- cueP780
- Cue ReactivityP636, P760
- cue reinstatementP624
- CultureP333
- CyberballP812
- cyclic AMPP369
- Cyclic peptideP553
- cytokines 52.3, P24, P38, P178
- cytoskeletonP536
- D1 dopamine receptors 57.5, P478, P535
- D2 dopamine antagonistsP507
- D2 dopamine receptor 22.2, P207, P534
- D2 ReceptorP547
- dACCP284
- Dallas Heart Study P1
- D-amino acid oxidaseP462
- D-amino acid oxidase inhibitorP560
- daridorexantP582
- DAT/NET inhibitionP619
- Data science 3.2
- DBSP759
- Decentralized Clinical Trials 3.3
- Decision Making 22, 22.3, 22.5, 35.3, 46.4, P196, P410, P587, P622, P635, P706, P787, P823, P826
- declarative memory P8
- DeconvolutionP276
- deconvolution microscopy 30
- Default mode network (DMN) 2.3, P74, P467, P475, P814
- defensive and motivated behaviors P89
- delay discounting 22.3, P198

- delta opioid receptor P665
delta9-tetrahydrocannabinol P589, P805
Dementia 37.3, 48, 48.2, 48.4
Dementia-related psychosis 48.3
Dendritic arborization P795
dendritic morphogenesis P536
dendritic remodeling P87, P598
Dendritic spines P622, P663
dentate gyrus P529
Depression 2.2, 2.5, 4, 4.2, 10.5, 16.3,
17.2, 21, 21.1, 21.4, 25.2, 37.3, 43,
43.3, 46.4, 51, 51.1, 51.3, 56, 56.2,
P11, P20, P48, P97, P176, P211,
P221, P229, P230, P233, P238, P239,
P240, P243, P244, P247, P252, P261,
P265, P268, P280, P291, P295, P299,
P306, P316, P324, P327, P333, P336,
P342, P343, P352, P368, P377,
P390, P404, P406, P606, P762
Depression and Anxiety 10, 37.2, P109,
P242, P338, P379, P382
depression and obesity P386
Depression Inflammation Cytokine 4.4, P297, P361, P370
depression recurrence risk P261
Depression-CVD comorbidity 25.4
depressive disorders P169
depressive symptoms 51.2, P298, P359
development 4.1, P640
Developmental 54, P172, P704
Developmental Psychopathology P43
Developmental trajectory P534
Developmental transcriptome 11.1
Diagnosis P575
Differential susceptibility P140
Diffusion Tensor Imaging (DTI) 27.1, P57, P85,
P197, P376, P586, P752
Diffusion Weighted Imaging P487, P565, P605
Digital phenotyping P214
digital psychiatry P228
Dimensional child psychopathology 26.4, 28.5
dimensional psychopathology P85
dimensions 38.3
dimethyltryptamine P365
Discrimination 27
Disease risk prediction 3.1
disinhibition 1, 1.2
disruptive behavior disorders P156
diverse populations 1.2
diversity 40, 49, P790
DLPFC P567, P760
DNA 48.1, P566, P575
DNA hydroxymethylation P61
DNA Methylation 27, 31, P61, P227,
P362, P377, P479, P778
DNMT P755
Dopamine 6.2, 22.4, 29.3, 30.4, 39.3,
44.4, 51.1, P6, P47, P109, P129, P153,
P165, P177, P191, P205, P268, P282,
P330, P340, P388, P413, P427, P446,
P535, P547, P597, P658, P679,
P689, P691, P709, P710, P823
Dopamine (D2, D3) receptors P699
dopamine D3 receptors P642, P770
Dopamine D4 Receptor P590
Dopamine function P668
dopamine receptor type 2-expressing
striatal medium spiny neuron P52
Dopamine receptors 45.3
dopamine transporter 42.4
Dopaminergic system P650
dorsal caudate P165
Dorsal Hippocampus P108, P269, P768
dorsal raphe 56.2, P194
Dorsal Root Ganglia P419
Dorsal striatum P662, P702
dorsal visual stream P439
dorsolateral prefrontal cortex 6.5, 37.5, P484, P502
dorsolateral striatum 10.4
Dorsomedial striatum 50.3
Doublecortin P217
DRD1 P679
DRD2 P679
DREADDs P109, P277
Drosophila P229
drug abuse P709, P720
Drug Development P225, P547
Drug Discovery - new approaches P355, P472, P563
drug discrimination P584
Drug metabolism P664, P694
Drug Relapse 45.3, P657, P661
drug repurposing P183
drug self-administration 34.4, 55.4, P623
D-serine P462, P514, P525
Dual orexin receptor antagonist 20.3, 20.4, 20.5,
P185, P581, P582,
P584, P764
duloxetine P367
dynamic causal modeling P260
Dynamic Functional Connectivity P92, P353
Dynorphin 45.2
early adolescence P471
early childhood P135
Early identification of risk P288
Early life adversity 25.3, 27.3, 54.2
Early life stress 10, 16.3, 25.2, 28, 29, 29.5,
44, 44.5, 54.1, 54.3, P44,
P132, P134, P254, P294,
P316, P675, P684, P700
early onset psychosis P512
early psychosis P454, P474, P538,
P555, P556, P565
early-life adversity 10.3, 25.4, 29.5, 54,
54.3, P108, P128, P157, P665, P737
early-life stress P48, P430
eating behavior P196
Eating disorders 11.4, 14.3, 14.4, P186
ecological momentary assessment P593, P738
EEG 9, 9.1, 13.2, 21.4, P313, P522
EEG biomarkers 9.2, 26.2, 57, 57.2, P314, P476
EEG connectivity P522
EEG electrophysiology P436
EEG/ERP electrophysiology 37.4, 57.4, P786
effectiveness 8, 8.3
Efficacy and Tolerability P283
effort based decision making task P122, P310, P498
Effort Discounting P324
ehmt2 P618
electric field modeling P232, P323, P810
electroconvulsive therapy P289, P374, P406, P810
electroencephalography P552
Electronic cigarette (e-cigarette) P589, P660, P716
electronic health record (EHR) P62
electrophysiology 11.2, 45, P182, P205, P216,
P472, P539, P702, P720, P751
EMA P632
embryo screening P540

- Emergency Department P65, P788
emotion P465
Emotion Circuitry 14.2
emotion processing P164
emotion regulation P820
Emotional dysregulation P72
Emotional empathy P528, P690
Emotional regulation 14, 25.3, 43.4, 53.2
Emotional stress P780
emulated target trial P312
endocannabinoid system P59, P111
Endocannabinoids P40, P49, P468, P696
endophenotypes 38, 38.5
Endothelial function P72
engram P7
environment P162
environmental risk factors P37
EphA2 Receptor P356
Ephrin P356
epidemiology 48.2, P120, P133, P544, P550
epigenetic age acceleration P362
Epigenetic biomarkers 25.1
Epigenetic Modification 16.2, P75
Epigenetics 2.2, 10.3, 16, 16.4, 16.5, 25,
29, 29.2, 29.5, 31.2, P3, P36, P80,
P113, P294, P375, P479, P629, P664,
P708, P715, P744, P756, P778
epigenomics P269
epilepsy P415, P423
equity 40
ERP P525
Error processing P436, P797
Escitalopram P305
Esketamine P83
estradiol 10.4, 53.3, P327, P351
estrogen receptor P327
estrogen therapy 53
ethanol P599, P644
ethanol intake P757
ethics 12, 32
eugenics P540
event-related potentials 9.3, P187, P470, P669, P811
evidence-based approach P773
EWAS P377
excessive sleepiness 56.1
excitability P75
excitation-inhibition balance P471
executive function 54.2, P8, P172, P195
Exercise P3
Experience dependent plasticity 54.1
experimental design 58
Experimental Therapeutics 47, P476
exploration P792
explore-exploit dilemma P719, P792
Exposure therapy P54
extended amygdala P39, P825
Externalizing behavior 54.4
externalizing disorders P822
Extinction P66, P657
Extinction and Reinstatement P596
Extinction learning P54
extracellular matrix P301, P628
Extracellular vesicles P248, P830
extrasynaptic GABA receptors P235
eye-blinks P679
F-18 PET Imaging P58
Facial emotion processing P304, P588, P670
factor analysis P289
familial risk P363, P397, P398, P399
familial risk of bipolar disorder P288
fast scan cyclic voltammetry P650, P658
Fast-acting Antidepressant P311
Fear P27, P41, P84, P239
Fear conditioning P52, P60, P89, P130, P347
Fear conditioning and extinction P31, P54, P55, P59,
P76, P209, P444
Fear extinction P87, P92
fear generalization P40
Fear learning 56.4, P30, P75, P96
Fear physiology P444
fear-potentiated startle P130, P185
Fecal microbiota transplant P334
Feedback negativity 57.2
Feeding 30, 30.3, P509
feeding behavior 11.3, P195
females P309
Fentanyl 20, P598, P647, P718
fetal alcohol spectrum disorder P138, P664
Fetal Brain Development 44.2
Fetal Origins 25.1
fiber photometry P90, P136, P347, P446, P534, P676
fibromyalgia P176
first episode 13.2
first episode psychosis 13.3, P455,
P474, P505, P515, P516, P531
first-episode schizophrenia P524
FKBP5 P45, P170
Flanker Task P670
fluoxetine 50.2, P292
FMR1 premutation P428
fMRI Biomarkers P304
fMRI Effective Connectivity P439
fMRI Functional Connectivity P593
fMRI resting state P148, P726
fNIRS P631
focused ultrasound P729, P793, P811
food craving P335
food deprivation P750
food intake P600
fragile X syndrome P173
Free water imaging P376, P457
Frontolimbic network P111
Frontoparietal Network P814
frontostriatal circuitry P565
frontotemporal dementia 48
Frustration P799
Frustrative Non-Reward 47, P403
functional brain network P455
functional connectivity P74, P112, P459,
P469, P568, P825, P828
functional disability P319
Functional imaging 30.3
functional impairment P275, P298
Functional MRI (fMRI) 2.5, 7, 9.1, 14.4, 26, 27.1,
37.2, 37.4, 51.1, 53, 55.3, 60.3,
P28, P59, P70, P76, P92, P137,
P168, P193, P241, P243, P253,
P277, P291, P307, P325, P326,
P353, P403, P418, P448, P511,
P570, P571, P625, P652, P690,
P769, P788, P797, P804, P822
functional near-infrared spectroscopy 26
functional neuroimaging 14.3, 53.3, P55,
P444, P456

- functional outcomes P450
functional variants P220
Functioning P359, P362
fusiform face area (FFA) P551
Future orientation P119
G9a P618
GABA P163, P222, P223, P271,
P423, P520, P579, P681
GABA neuron P117, P300
GABAA 31.2
GABAA receptor positive allosteric modulator P415
GABA-A, positive allosteric modulators 31.4, P235, P415
GABAergic interneurons P459, P464, P489
GABAergic system P407
gambling 46, 46.4
gambling disorder P804
gaming disorder 1.1
gamma oscillations P552
GDF-15 P354
Gender differences 58
Gene co-expression networks 4.4, P96
gene expression 10.2, 28.5, 51.4, P262,
P466, P482, P757
gene level analysis P381
gene priming P708
generalized anxiety disorder P32
genetic architecture P445
Genetic Disorder P105
genetic risk factor 28.4
Genetic variation P199, P302
Genetically encoded sensor 30.5, P207
genetics 38, 38.5, P91, P336, P499
Genetics of depression P220, P226
genome-wide association study 13.5, P753
Genomics 25, 25.4, 38.5, P94, P146,
P349, P566, P736, P798
geriatric P17, P368
geriatric depression 8, P271
Ghrelin P44, P251
Gliadin P569
gliosis P425
Globus Pallidus P754
GLP-1 receptor P726
GLT-1 P717
glucocorticoid P45, P49, P278
glucose metabolism P2
glutamate 60.2, P244, P254, P265,
P400, P427, P515, P813
glutamate GABA 52.5, P404, P526
Glutamate homeostasis P87
glutamate receptor P466
glutamate transporter (EAAT3) P343, P446, P619
glutamatergic synapses P697
glutamatergic transmission P343, P591
glutathione P567
gluten P569
Glycocalyx P542
glycosylation P451
goal-directed behaviors P754
Gonadal Hormones 10
GoNoGo P207
GPCR P369, P417, P553, P563
GPS P214
gray matter volumes P147
GRIN1 mutation P431
GRIN-related disorders P431
Gut Microbiome 44, 44.4, 53.2, P20,
P129, P316, P647, P795
Gut-Brain Axis P334, P740
GWAS P184, P226, P694, P746
gyrification P139
habenula 35.3, P380
habit 50.4, P754
hallucinogens 2.2
haplotype association mapping P735
harm avoidance 35.4
Harm reduction P616, P660
HDAC inhibitors P5
HDAC4 P234
head-to-head clinical trial 8.1
Health Disparities 59, P19, P206
health policy 59
Health services P99
healthy individuals P818
heart rate variability 53, 53.2, P126, P326
Hedonic Ingestion P190
hemodynamic effect P286
Hemoglobin A1C P1
Heroin 20, 20.2, P625, P628, P673
heroin self-administration 29.2, 45, 45.3, P615,
P650, P676, P717
heterogeneity P298
high fat diet P116, P192
High potency THC P616
Higher criticism P74
High-Throughput P829
hippocampal connectivity 21.2
Hippocampal subfields P32
Hippocampal-prefrontal P459
Hippocampus 11.4, 54.3, P3, P6, P7, P12,
P22, P41, P166, P264, P299,
P396, P456, P486, P528, P529,
P530, P748, P788, P807
Hispanic/Latinos P333
Histone acetylation P75, P461
histone deacetylase 16, 16.2, 16.4, 16.5
Histone methylation 16, 16.3, P221, P461
histone variants P708
historical loss 51.2
HIV P170, P430, P770
HIV associated neurocognitive disorder P815
Homer1 P634
Homosexuality 24
hormonal contraceptive use P81
HPA axis 10.5, P136, P783
Human Clinical trial 8.3
Human Genetics P147, P171, P746
Human Neuroimaging 41.3, P58, P79,
P162, P167, P201, P812
human postmortem brain P276, P765
human postmortem brain tissue 29.4
Human transmission 30.5
Hydroxynorketamine P233
hyperalgesia P676
hyperarousal 6.4, P39, P130
hyperthermia 4.4
Hypobaric hypoxia P338
hypochondriasis 1.1
Hypofrontality P712
hypothalamic circuit 30
hypothalamic-pituitary-adrenal axis P741
hypothalamus P136, P212, P559
Hypoxia 23.2
ibudilast 34.3
ICD-11 1.1
IL-6 P118

- imaging 54, P801
 Imaging-genetics P726
 immediate early gene P612, P635
 Immune P170
 Immune Biomarkers P38, P412, P674
 immune cells P482
 immune modulation P310
 Immune responses P230, P379
 immune system P352, P830
 Immunity 4
 Immunity & neurodevelopment by sex P345
 immunohistochemistry P188
 Implicit association test P144
 impulse control 1
 impulsive sensation seeking P270
 impulsivity 22, 46, 46.2, 46.3, 46.4, P90,
 P153, P156, P199, P203, P208,
 P304, P307, P588, P693, P761
 in vitro fertilization P540
 In vitro neuronal differentiation P303
 in vivo P47
 in vivo calcium imaging 11.3, P39, P40, P50,
 P67, P438, P597
 In vivo Imaging 30.2, 30.4, 41, P422
 In vivo microscopy 50.2
 incentive motivation P697
 inclusion and exclusion P790
 Independent Component Analysis P784
 Indirect Pathway P534
 individual differences P214
 individual variability P418, P497
 Individual vulnerability 46.1
 Induced pluripotent stem cells (iPSCs) P123, P401,
 P504, P539
 infant electroencephalography P141
 inflammation 44.2, 51, 51.1, 52, 52.2,
 52.3, 52.4, P241, P316, P352,
 P395, P412, P498, P569, P789
 Inflammatory Markers 51.3, 51.4, 52, P545
 Inhibition P79
 Inhibitory control P26, P287, P707, P801
 innate behavior P256
 insomnia 20.5, 51, 51.4, P99,
 P581, P606, P764
 insomnia disorder P582
 instrumental learning P663
 Insula 55.2, P145, P237, P456, P760
 insulin P191
 insulin resistance P22, P312
 intellectual disability P124
 interactions 44
 Interbrain Synochrony P809
 Intergenerational Transmission P149
 Intergenerational transmission of trauma P110
 Interleukin-8 P305
 Intermittent Access self-administration 20.3, P643, P659
 internalizing disorders 54.4, P822
 Interpersonal Violence P63
 inter-subject correlation P625
 intravenous drug self-administration P608, P624, P642
 intrinsic EEG activity 60.4
 intrinsic excitability 29.2
 intrinsic motivation P571
 ion channels P308, P431, P539
 irradiance P286
 irritability 47, 53, 53.1, 53.2, 53.3, P674
 Irritability/Aggression P200, P202
 IV- Ketamine P247
 juvenile critical period P108
 juvenile social isolation P787
 Kaplan-Meier Survival Curve P1
 kappa opioid receptor 45.2, P278, P379, P766, P779
 Kappa Opioid Receptor Antagonist P731
 Ketamine 25.2, 50.3, P66, P68,
 P102, P233, P293, P328,
 P400, P402, P405, P458
 Ketorolac P102
 kinase inhibitor P344
 kinome array P550, P559
 Kinomics P322
 kinship 11, 11.2
 kratom P667
 Kv3 channels P460
 Kynurenic acid 6.3, 6.4, 6.5, P557, P572
 Kynurenine pathway 6, 6.3, 6.4, 51.3
 L1000 P262
 Lactate P284
 Language P496, P654
 Late-life Depression 8.1, 8.2, P9, P11,
 P227, P248, P354
 latency of acoustic startle P545
 Latent class analysis P238, P289
 Lateral Habenula 42.1, P73, P194, P293, P752
 Lateral hypothalamus 30.3, 39.4, P194
 lateral septum 11, 11.2, 11.3, 11.4
 Latin America P736
 LC-NE P19
 Learning Health System P555
 Learning Rate P719
 lemborexant P585
 Leptin P22, P44
 Leptin Resistance P509
 leukocyte telomere length 4.3
 levomilnacipran P367
 LgDel P570
 Lifetime stress 44.3, P456
 linguistic markers P98
 lipid oxidation P567
 lipid rafts P369
 lipids P189, P361
 lithium P381, P390
 local field potentials 57.3
 Locus coeruleus (LC) P9, P10
 Long Access self-administration 20.2
 Long Term Potentiation P462
 Long-acting injectable antipsychotics 19, 60.3, P541
 longitudinal analysis 26.2, P135
 Longitudinal MRI P107, P810
 longitudinal study P85, P763
 Loss 39.5
 LQFM032 P407
 LSD P682, P796
 LSD microdosing P818, P824
 lumateperone P319
 M5 muscarinic receptor P330
 Macaque P165, P794
 machine learning 21.4, 39.4, P112,
 P318, P474, P496
 machine learning classification P198, P421, P473, P542
 Machine learning clustering 45.4
 Macrophage 52.2
 MADRS P223
 Magnetic Resonance Imaging (MRI) 16.5, 23, 27.2,
 37.3, P34, P115,
 P156, P261, P364, P392
 magnetic resonance spectroscopy 34.3, P163,

- P176, P404, P520
 Magnetic seizure therapy P289
 magnetoencephalography P454, P531
 Major depression P215, P226, P396, P575
 Major Depressive Disorder P281, P314, P322,
 P350, P384, P389, P401
 Major Depressive Disorder (MDD) 21.2, 21.3, 31.5,
 P51, P66, P83, P94, P179, P218,
 P222, P223, P224, P235, P241,
 P245, P246, P251, P259, P264, P271,
 P301, P303, P305, P312, P326, P353,
 P357, P359, P371, P374, P415, P819, P392
 maladaptive feeding P190
 mania P270, P341, P505
 marijuana P616, P653
 Marijuana Policy P481
 marmoset P13
 mast cells 4.1
 MAT P701
 maternal brain P690
 Maternal Depression 26.4
 maternal immune activation P165, P405, P463
 maternal sensitivity P690
 maternal separation P134
 maternal stress P151
 Matrix Metalloproteinase-9 (MMP-9) P628
 MDMA 2.3, P682
 mechanism-based biomarkers 4, 4.2, 5
 mechanisms 37
 Medial Orbitofrontal Cortex 35.4, P332, P785
 Medial Prefrontal Cortex 22.4, 45, 45.2,
 50.3, P12, P89, P109, P195,
 P213, P300, P537, P599, P612,
 P659, P795, P802, P808, P830
 Medial septum P710
 Medical Marijuana P606, P633
 medication development 7
 medication-naïve first episode psychosis 60.2
 medications 17
 Medium Spiny Neuron 50.2, P67, P190, P655
 MEF2C P234
 Melanin-concentrating hormone P613
 melanocortin P195
 memantine P25
 membership P790
 Memory 4.3, P3, P49, P71, P406, P748
 Memory and Learning P15
 Memory Encoding and Retrieval P663
 Memory engram cell P75, P528
 memory reconsolidation P768
 menopause 4.3, 56.3, P18
 mental disorder 23.3
 Mental health disorders P181
 mental health service use P827
 mental illness 3.1
 mentoring 40
 mesolimbic reward circuitry P182, P190, P592,
 P617, P730
 meta-analysis P97, P133, P520, P742, P812
 metabolic function P53
 metabolism P648
 metabolites P740
 metabolomics P189, P349
 Methamphetamine 20.2, 34, 34.4, 34.5, P619,
 P624, P652, P705, P712
 methamphetamine seeking P641
 Methocinnamox P718
 methodologies 3
 methylphenidate P55, P505, P654, P679, P699
 mgluR5 P51
 mice P166, P815
 microbiome 28.2, 33, 53, P334
 microbiota P334
 Microbiota-gut-brain axis P334, P715
 Microdialysis P650
 microglia 28.2, 44.4, 52.2, P24,
 P114, P129, P278, P306, P360,
 P379, P416, P558, P624, P644
 microglia engulfment 54.1
 microPET P134
 MicroRNA P747
 midbrain P122
 mild cognitive impairment due to AD P314
 Mild Traumatic Brain Injury P88
 Mindfulness Meditation P145
 miRNA P217
 Mirror Neuron P528
 Mismatch Negativity P464, P514
 Mitochondria P23, P244, P255, P275, P416, P637
 Mitochondrial DNA 44.3
 mitochondrial dysfunction P254
 mitochondrial genetics 44
 Mitochondrial Respiration P23, P302
 Mitophagy P395
 MMN P525
 model systems P706
 Moderators 21.3
 modulator P493
 Molecular imaging 16.5
 molecular neuroscience P173, P293
 Molecular profiling 11.1
 monetary incentive delay task P193
 monkey P380
 monoamine oxidase B P425, P767
 Monoamine Transporters 21.1
 Monoiodoacetate Model of Osteoarthritis P432
 Mood P285, P391, P415, P738
 Mood and cognition P668
 mood disorders P121, P217, P237,
 P298, P345, P364, P373, P385
 morphine P592, P745
 Mortality P1
 motivated behavior 11, 11.4
 motivation P73, P122, P294, P534
 motivational P780
 motor activity P121
 mouse P13
 mouse genetics P735
 Mouse models 28, 34.4, P292, P295, P426, P596
 mPFC 39.4, P134
 MR spectroscopy P385, P483, P538
 MRSI P284
 mtDNA P395
 mTORC1 P273
 Multi-electrode arrays P47
 multimodal data P131
 Multimodal Neuroimaging 37.5
 Multi-omics P349
 multivariate P106
 multivariate analysis 38.3, P469, P703
 mu-opioid receptor agonist P667
 mu-opioid receptor binding potential P391
 mu-opioid receptors 42.2, P339, P600,
 P732, P819
 Muscarinic agonist P510
 muscarinic M4 P493, P500

- MVPAP473
 Myelin ImagingP107
 Myelination14.1
 N-acetylcysteineP628
 NACHOP617
 naloxoneP750
 Narcissistic traitsP202
 native americans 51.2, P287
 Natural CompoundP365
 natural language processing (NLP) P62, P465, P496
 naturalistic drug cuesP625
 NCANDAP763
 N-desmethylozapineP568
 near-infrared lightP280
 Negative affect 46.3, P730
 negative allosteric modulatorP623
 negative emotionalityP605
 negative reinforcementP408
 negative symptoms P480, P498, P546, P554, P821
 Negative urgency 46.3, P304
 negative valenceP442
 Negative Valence System 37.4, P385
 Neighborhood CrimeP168
 Neighborhood Poverty P65
 Network activity 30.2, P331
 Network Modeling 3.2
 network neuroscience 3.2, P791
 Network-Analysis 3.2
 Neural circuit and animal behaviorP683
 neural circuitryP128, P820
 neural circuits 30.3, P308, P346
 Neural connectivity 14.2, P184
 Neural coordinationP662
 Neural network connectivityP140
 Neural networks P63, P799
 neural oscillations 57.3, P198
 neural plasticityP459
 Neural PredictorsP494
 neural progenitor cellsP303
 neurite density14.1
 NeuroP253
 neuroactive steroid P222, P223, P224, P235, P271, P283
 neuroanatomyP201, P441, P570
 neurobiology38.3
 neurocircuitry 47
 neurocognitionP132, P341, P469
 Neurocognitive functioningP687
 neurodegenerationP427
 Neurodegenerative Disease56.4, P5
 neurodevelopment28.4, 38.2, 44.5, P107, P116,
 P151, P186, P486
 neurodevelopment & aging 4
 Neurodevelopmental Disorders5, 16, P105, P120, P124
 neuroeconomicsP342
 Neuroendocrine 10.2
 Neuroendocrine responsesP783
 neuroendocrinology53.3
 Neurofeedback43, 43.2, P447, P473
 Neurofibrillary tangleP782
 Neurogenesis 11.1, 52.2, P529
 Neurogenesis enhancers P56
 neurogenetics38.2
 NeuroimageP631
 neuroimaging 2, 7, 23.4
 neuroimaging biomarkers 21.2, P386, P506, P803
 neuroimmune 31, P329, P734
 neuroimmune activation6.2, P592, P611, P781
 neuroimmune interactionP674
 neuroimmune mechanisms 31.3, P178
 neuroimmune mechanisms: prenatal to aging 4
 NeuroimmunologyP411
 NeuroinfectionP411
 neuroinflammation4.1, 6, 23, 34, 52.5,
 P29, P161, P180, P305, P422,
 P530, P543, P624, P770, P815
 NeurokininP263
 neuromarkers 31.5, P749
 Neuromelanin-sensitive MRI P9, P10
 NeurometabolismP820
 NeurometricsP511
 neuromodulation9.1, 30.5, P280, P759
 neuromodulators 42
 NeuronP303
 neuronal ensemble45.4
 Neuronal Epigenome 41.2, P108
 Neuronal OscillationsP356, P464
 Neuronal stem cells (NSCs)P401
 neuron-derived exosomes (NDE)P248
 neuropathic painP420
 neuropathology 23.2, 48.3, 48.4
 neuropeptides 39.2, P212, P263, P764
 neuropharmacologyP209, P308
 neurophysiology P177, P215, P384, P724, P792
 Neuroplasticity 2.3, P320, P525, P811
 neuroprotectionP424
 Neuropsychiatric Disorders 56.1, 57.4, P428
 Neuropsychiatric Disorders [Schizophrenia,
 Parkinson's Disease, Major
 Depressive Disorder] 57.5, P461, P530
 Neuropsychiatric symptoms (NPS) 48.4, P791
 neuropsychiatryP328
 neuropsychopharmacologyP784
 Neurosteroid 10.5, 31.2, 31.3, 31.4
 NeurostimulationP198, P280
 neurosurgery for psychiatric disorders35.5
 NeurotensinP267, P596
 neurotransmitter co-releaseP380
 Neurotransmitters30.4
 Neurovascular couplingP148
 new drug developmentP742
 next generation sequencingP411
 NFIAP358
 nicotineP589, P623, P815
 nicotine addiction P617, P623, P660, P670, P716, P781
 nicotine dependenceP475, P706
 nicotine vaporP706
 nicotine withdrawalP660
 nicotine/substance use disorderP642
 nicotinic acetylcholine receptorsP617, P642, P658
 NIH 59
 NIH HEAL InitiativeP432
 nitric oxideP296
 NMDA AntagonistsP245
 NMDA glutamate receptorsP246, P311
 NMDA Receptor 6.5, P431, P471, P525, P574
 NMDAR antagonistP239
 NODDI14.1
 non pharmacological interventions55.4
 noncoding RNAP634, P744
 Nonhuman Primates 35.2, P78, P201
 non-invasive brain stimulation 55.3, P232
 Non-invasive NeuromodulationP384, P729
 Non-opioid, Non-addictive TherapeuticsP429, P432
 non-parametric item response theoryP516
 Non-Suicidal Self-injury (NSSI)P115
 noradrenergicP126

- Noradrenergic System 56, P681
 norepinephrine P10, P437, P691
 novel antidepressant P56
 novel assessment tools for clinical trials P160
 Novel coronavirus (SARS-CoV-2) 23.2, P411, P419, P424
 novel object recognition 56.4
 Novel Targets P563
 novel therapeutics 15, P83, P283, P618, P753
 novelty response P641
 novelty seeking P641
 Nr1h1-alpha 4.1
 nuclear factor kappa B P48
 Nucleus Accumbens 29.2, 29.3, 29.4, 34.2, P128,
 P190, P207, P221, P230, P294, P342,
 P352, P387, P598, P621, P626, P629,
 P637, P655, P665, P743, P781, P823
 nucleus accumbens core P649, P713
 nucleus reuniens P268
 Nucleus tractus solitarius P698
 Obesity P191, P194, P197, P240
 Obesity and eating disorders 46.3
 Obsessive Compulsive Disorder (OCD) 1.3, 35.4, 35.5,
 50, 50.2, 50.4, 50.5, P433,
 P436, P437, P438, P440, P442, P443, P444
 Obsessive-Compulsive and Related Disorders 1.2
 Obsessive-compulsive personality traits P434
 obsessive-compulsive spectrum disorders (OCDS) 1.3
 Obsessive-compulsive symptoms 1.1
 obstructive sleep apnea P585
 OCD phenotypes P434
 older adults 8.4, P29, P231, P406
 ondansetron 17.2
 ontogeny 11
 Open neuroscience 49
 Operant behavior P608, P725, P743
 opiate addiction P765
 opiates P782
 Opioid abuse P601, P608, P612, P627,
 P650, P688, P732
 Opioid addiction 20, 20.3, 20.5, 42.3, 45.5,
 P429, P588, P592, P594, P601,
 P602, P665, P715, P738, P744, P746, P779
 Opioid antagonist treatment P16
 opioid dependence P730
 Opioid peptides 45, P779
 opioid side-effects P667
 Opioid system 42.3
 opioid use disorder 20.2, 20.4, P583,
 P621, P690, P694, P731, P735,
 P748, P753, P765, P819
 opioid withdrawal 20.5, P615, P676
 opioids 42, P16, P701, P727,
 P728, P765, P776
 OPRM1 P102
 Optimism P738
 optogenetics 11.3, 39, P39, P216,
 P337, P743, P768
 oral antipsychotics 19
 orbitofrontal cortex (OFC) 22.3, 50.4, P90,
 P622, P645, P663, P684,
 P702, P785, P821
 orexin 20.4, P659
 orexin receptor P659
 orexin receptor antagonist 20, 20.4, P188
 orexin/hypocretin 20.2, 20.3
 organic cation transporters P671
 outbred rats P677, P739
 ovarian hormones 53.1, P351
 oxidative DNA damage P381
 oxidative stress P211
 oxycodone 20, P694, P721
 oxytocin receptor P157
 p factor P135
 PACAP P35, P553, P649
 Pain 30, 30.3, 42, P176, P408,
 P606, P612, P633, P701
 Pain sensitivity P161, P366, P412
 Pain therapeutics P420, P805
 pair bond 39.5, P809
 pans P524
 paradigm 38.3
 parahippocampal place area (PPA) P551
 paraventricular nucleus P136
 paraventricular nucleus of the hypothalamus P683
 paraventricular nucleus of the thalamus P267, P621
 Parent - child dyads 26, 26.2, 26.3, P206
 parietal cortex P816
 Parkinson's disease P265, P426
 Parkinson's Disease and Dementia Psychosis P426
 partial agonist P667
 Partial Agonist Ligands P590
 Parvalbumin fast-spiking GABAergic interneurons P599, P609
 parvalbumin interneurons P712, P808
 Parvalbumin neurons P300, P460, P484, P673
 PASC 23.4
 Patient outcomes P240, P494, P555
 pattern separation P56
 Pavlovian conditioning P27, P626, P705
 Pediatric Bipolar Disorder P393
 pediatric irritability P37, P403, P797, P799
 Perceived stress P211, P586, P678, P700
 Perceptual decision-making P535
 periaqueductal grey (PAG) P607
 Perimenopause 10.5, 53.3
 Perinatal stress 44.2
 Perineuronal nets P609, P673, P712
 Peripheral Biomarker P355
 Peripheral blood marker P542
 periventricular thalamus 54
 personal space P816
 personality P682
 personalized medicine 21, 21.1, P595
 Pesticides 44.2
 PET Imaging P10, P19, P210, P391, P668, P716
 PET Imaging Study P51
 PET probe P422
 PFC P752
 pharmacOBOLD P209, P458
 Pharmacodynamics P514
 Pharmacoepidemiology P120
 pharmacogenetics P694
 Pharmacogenomics P371
 Pharmacokinetic and Pharmacodynamic P273
 Pharmacokinetics P159, P518, P716, P742, P805
 Pharmacology 17, P209
 pharmacotherapy 1.3, 17.1, P443, P630, P639, P730
 Phase II clinical trial P429
 Phase III trial P154
 phosphatase P782
 Phosphodiesterase-4 (PDE4) 34, 34.2, 34.4, 34.5
 photobiomodulation P286
 pimavanserin P518

- PKCdeltaP86, P711
 placebo-controlled trial 32, P824
 placenta 28.4, 44.2, P118
 Polydrug UseP587
 Polygenetic Risk Score P242, P383, P450, P477, P695
 polygenic risk score 38.3, P132, P363, P540, P819
 polygenic risk scores 25, 28.5, 52.3, P299, P575
 Polygenic scores 13.5
 PolypharmacyP390
 polysomnographyP402, P557
 polysubstance abuseP776
 Poor clinical outcomeP275
 Population genetics 38.4
 Positive Affect26.3
 Positive symptomsP554
 positive valenceP442
 positron emission tomography (PET) 7, 13.4, 16.4, 41.1,
 P165, P291, P425, P500, P526,
 P729, P766, P767, P819
 Post Traumatic Stress Disorder (PTSD) 2.3, 17.1, 31.4,
 31.5, 39.2, 41, 41.1, 41.2, 43,
 43.2, P31, P38, P48, P49, P51, P53,
 P57, P59, P61, P65, P66, P67, P70,
 P79, P83, P91, P93, P94, P97,
 P98, P99, P100, P167, P247, P382
 Posterior Cingulate CortexP145
 PostmortemP532, P549, P567
 post-mortem brainP521
 Postmortem Brain Tissue P94, P264, P468
 postoperative cognitive dysfunction P16
 postpartumP578
 postpartum depressionP351
 postpartum moodP141
 posttraumatic stressP29
 potential mechanism 13
 pragmatic analysis 8.2
 prairie volesP142, P809
 prazosinP777
 Precision Medicine for DepressionP810
 Precision Medicine for Mood and Anxiety DisordersP159
 Precision Medicine for Mood DisordersP310, P355
 Preclinical pharmacologyP563
 Preclinical Screening Platform for PainP420, P432
 precuneusP284
 Predictive Biomarker P70
 predictive coding 2.4
 Predictive ModelsP250
 prefrontal circuit maturation P13
 prefrontal cortex 35.3, 45.5, 57.2, P78, P295,
 P342, P344, P448, P464,
 P543, P594, P635
 PregabalinP727
 pregnancy 23.4, 53.1, P151, P168, P178
 prelimbic cortex P33, P36, P40, P578,
 P649, P666, P713, P724, P745
 premenstrual dysphoric disorderP335
 premenstrual syndromeP335
 Prenatal alcohol exposureP138
 Prenatal Drug ExposureP164
 Prenatal exposure 4.3, 28, P142
 Prenatal immune exposuresP106, P543
 prenatal stress 28.2, 28.3, P118, P139, P234
 Prepulse Inhibition P25
 pre-school children 9.2
 Prescription OpioidsP182, P408, P746
 prevention 26.4, 38.3, P434, P774, P808
 probabilistic reversal learningP771, P800
 Processing speed P487
 prodromal schizophreniaP545
 prodrome9.1
 Prodynorphin 11.4, P731
 progesteroneP351, P820
 Progressive ratio testingP643
 Pro-inflammatory cytokines31.3, 34.3, 52.2, P411
 projection targetsP489
 prophylacticP50
 propranololP126
 prostaglandinP211
 protein aggregationP449
 protein kinase activityP550
 Proteomics41.1, P93, P318, P322, P355,
 P549, P591, P688, P765
 ProteostasisP449
 proton magnetic resonance spectroscopyP307
 provider perspectives 8.4
 Psilocybin 22.4, P181, P229, P350,
 P353, P654, P784, P796
 Psychedelic medicine 2.5, P229
 Psychedelics2, 2.4, 15, P181, P225,
 P348, P365, P382, P627,
 P654, P796, P800, P818
 Psychiatric Comorbidity 37.4, P177, P307, P703
 psychiatric geneticsP428
 psychiatric measurementP100
 psychological distress P81
 Psychological Wellbeing 8.3, P231
 Psychopathology 37, P542, P798
 psychophysiology P42
 psychosis 6.2, 13, 13.2, 13.4, 38, 38.2,
 52, 52.3, 60.4, P6, P473, P476,
 P478, P481, P482, P483, P495,
 P520, P532, P564, P572, P573
 psychosis riskP571
 psychosocial interventionP156
 psychosocial stressP325, P329, P607
 PsychostimulantP505, P677, P782
 Psychotherapy 2, P448
 Psychotic DisordersP373, P457, P557
 psychotic-like experiencesP511
 PTSD depression 15, P18, P72
 Pubertal stressP113
 PubertyP147, P186
 punishment 22.3, P640, P643
 pupillometryP792
 qEEGP144
 QTLP714
 qualitative research 8.4, P333
 Quality of LifeP633
 Quantitative Electroencephalography (qEEG) 26, P384
 R(-)-ketamineP405
 Race disparities 23.5, 27.2
 racial differences 27, P741
 racial ethnic minority 12
 Racism 27.1, 27.3, 59
 Racism and discrimination stress 28.3, P169
 Randomized-Controlled Trial 55.5, P350, P502
 raphe nucleusP426
 Rapid AntidepressantP235, P283
 Rapid Antidepressant EffectsP246
 Rapid CyclingP375
 Rapid depression treatment 15
 Rare genetic variants 38.2, 48.1
 Rare genetic variationP445
 Rare Neurodevelopmental DisordersP105, P123

- Rat models P584
 Rating scales P516
 rats P192
 RCT 2, 17.4
 real-time fMRI neurofeedback 43, 43.2, 43.3, 43.4, P122, P145, P467
 recognition memory P166, P641
 recordings P745
 Reinforcement learning P403, P721, P815
 reinstatement P717
 REL-1017 P315
 relapse 13.3, 19, P602, P613, P673
 relapse and treatment outcome P605
 relapse biomarkers 60.3
 Relevance for Outcomes P555
 REM sleep 6.4, P35, P613
 remifentanyl P608
 remote assessment solution P228
 Repeated treatment P718
 repetitive transcranial magnetic stimulation (rTMS) 55.4, 55.5, P215, P232, P384, P418, P497, P502, P533
 reproducibility P106
 reproduction 10.3, P410
 Research domain criteria (RDoC) 37, 37.2, P200, P595, P783, P786, P817, P828
 resilience 41, 41.2, 41.3, P98, P715
 Respiration P727
 respiratory safety P585
 response inhibition P702, P797
 Resting and task fMRI P88
 resting state brain dynamics P389
 Resting State Connectivity P104, P631
 Resting State Functional Connectivity 21.2, 35.2, 60.2, P64, P76, P110, P112, P137, P169, P214, P251, P285, P323, P358, P475, P503, P511, P527, P699, P796
 Resting state intrinsic connectivity P261, P282
 Resting-state fMRI P74, P218, P506, P784
 Resveratrol P715
 Retest Reliability P511
 retrograde tracing 35.2
 reversal learning P438
 Reward 1.4, 14, 14.4, 22.5, 29.4, 42.4, P213, P308, P357, P387, P699, P704, P772, P780
 reward and aversion P651
 Reward Anticipation P270
 reward circuitry 29
 reward deficit P128
 reward devaluation P724
 Reward functioning P241, P783
 reward neural circuitry P216
 reward prediction error P403
 Reward processing P393, P561, P648
 Reward Sensitivity P771
 reward system P597
 Reward-based decision-making 25.2
 reward-seeking behavior P745
 Rhesus monkeys P645, P691, P718
 RiboTag P644
 right temporo-parietal junction P527
 Risk 1.4
 Risk and Resilience P113, P119
 Risk Calculator P363
 Risk Evaluation and Mitigation Strategy (REMS) P225
 Risk factors 10.5
 risk taking behaviors P684
 risk-taking P695
 Risky decision-making P640
 RNA binding protein P15
 RNA Sequencing P300, P723
 RNAscope fluorescence in situ hybridization P45, P484
 RNAseq P78, P236, P276, P351, P598, P644, P772, P794
 rodent P617
 Rodent models 41.1, P410
 rsfMRI functional connectivity P368
 rubber hand illusion P454
 rumination 21.3, P389
 Safety P224
 Salience P112
 salience network 55.4, P201
 SAPAP3 KO mice P442
 scanner harmonization P487
 Schizophrenia (SCZ) 6, 6.4, 13.5, 19, 28.4, 32, 33, 38.4, 38.5, 48, 48.1, 48.2, 52, 52.4, 60.2, P423, P449, P451, P456, P457, P458, P460, P463, P465, P467, P470, P475, P478, P479, P484, P486, P487, P491, P493, P494, P495, P496, P497, P498, P499, P500, P502, P504, P510, P512, P514, P517, P518, P521, P532, P533, P536, P537, P539, P541, P543, P546, P549, P550, P551, P552, P554, P561, P563, P566, P567, P568, P569, P575, P576, P577, P755
 schizophrenia and bipolar disorders P477, P544, P803
 schizophrenia negative symptoms P491, P560
 Schizophrenia novel treatment 55.5, P472, P507, P553, P579
 schizophrenia spectrum disorders P453, P469, P509
 Schizophrenia subtypes 52.5
 Schizophrenia-like Behavior P405, P471
 selective attention P551
 Selective Serotonin Reuptake Inhibitors (SSRIs) 2.5, P159, P259, P262, P367
 Self-Administration 25, 34.5, 45.4, P584, P596, P623, P647, P656, P701, P705, P718, P721
 Self-esteem P391
 self-injury P817
 Self-medication with psychedelics P181
 self-other processing 43.4
 self-referential P817
 self-referential processing 2.4, P243
 Sensitive Period 28, 54.2, P446
 Sensitivity P686
 Sensory Processing P419
 Septal area 11.1
 sequencing 48.1, P566, P575
 serious mental illness P773
 Serotonin 30.4, 56, 56.2, P45, P47, P192, P229, P345, P645, P691, P751
 serotonin 1A receptors P192, P259, P317, P645
 Serotonin 5-HT2A Receptor P800
 Serotonin 5-HT2C Receptor 42.1, P192
 serotonin and norepinephrine reuptake inhibitor P262, P367
 Serotonin Transporter P210
 Sertraline P371

- severe mental illnessP383
- sexP361
- sex differences4, 4.3, 10.2, 22.2, 25.1,
41, 58, P7, P8, P23, P70, P73,
P80, P81, P148, P150, P220, P269,
P285, P294, P301, P317, P340, P360,
P370, P466, P583, P615, P621, P640,
P643, P651, P658, P684, P685,
P692, P710, P766, P781, P809
- Sex HormonesP80, P416, P762
- sex pairingP757
- sex-specificP417
- Sexual Dimorphism4.2, P2
- Shank3-deficient mice16.2
- Sigma2, 5 HT2, Alpha receptorsP546
- sign-trackingP626, P705
- Simultaneous PET-MRP388, P699, P709
- Single cellP91
- single cell omicsP94, P611
- Single-cell RNA sequencing11.1, 29, 42.2,
P95, P138, P290,
P339, P688, P689
- single-cell sequencing29.4
- single-nucleus RNA-seqP264, P276
- Skin conductance responsesP31
- SLC39A8P451
- SLC6A1/GAT1P423
- sleepP11, P285, P402, P409, P586
- sleep architectureP581, P582
- Sleep disturbancesP72, P583
- Sleep inconsistencyP632
- sleep spindlesP472, P522, P557
- slow oscillationP522
- slow wave sleepP35
- smartphoneP214
- SmellP680
- smoking17.4, 55.2
- Smoking Cessation17.3, 55, P668, P670
- SNPP220
- SNP variationP445
- sociabilityP808
- social anhedoniaP515
- social anxietyP71
- Social Behavior11.2, 11.3, 26, P33, P129,
P212, P309, P331, P395,
P661, P662, P795, P830
- social cognitionP469, P578, P807
- social defeatP607
- Social defeat stressP249, P352
- Social Deficits16.2, P154
- social determinants of health12, 23.5
- social dominanceP309
- Social Factors and FunctioningP57
- Social hierarchy39.4
- Social Interactions14.3, P126, P757, P802
- social isolation39, 39.3, P672
- social isolation stress39.2, P594, P787
- social motivation39, 39.3
- Social rejectionP71, P325, P391
- social statusP317
- social stressP252, P309
- Social support51.2
- SomatostatinP484, P666
- spatial memoryP529
- spatial transcriptomicsP96, P264, P611
- speech developmentP141
- Spinal CordP419
- splice variantsP396
- StartleP242, P786
- statistical methodsP250
- stem cellsP303
- StimulantsP198, P728, P776
- stimulus enhancementP750
- stimulus inhibitionP750
- stop-signalP203
- StressP68, P168, P213, P336, P370, P388, P396
- Stress abnormalitiesP268
- Stress and anxiety behaviorP344, P683
- Stress and DepressionP263
- Stress and Trauma28.3, P57, P62, P153, P696
- Stress CopingP632, P683
- stress hormonesP622
- Stress models4.2
- Stress reactivityP722, P825
- stress resilience10.3, P68, P266,
P295, P320, P346
- stress resilience and susceptibilityP290, P342, P347
- Striatal Dopamine signaling13.4, P526
- striatal functional connectivity60
- striatum50.2, P27, P191,
P282, P330, P532, P617
- Structural ConnectivityP197
- Structural MRI44.5, P42, P70, P162, P474
- structural racism12
- Subcortical Shape AnalysisP486
- Subcutaneous FatP453
- subgenual anterior cingulateP430
- Subjective ResponseP685, P734
- subliminal emotionP115
- Substance abuseP556, P760
- Substance abuse disorders10.3, P652, P719
- Substance PP52
- substance use disorder23.3, 29, P610, P627,
P669, P696, P714,
P728, P737, P739, P773
- Substance-related disordersP677
- Subtypes of substance use disorderP595
- SUD risk23
- SUD-like phenotypesP761
- Suicidal behavior21.3, P296
- suicidal ideationP237, P247, P364
- Suicidality9, P240, P287
- suicide9.3, P34, P133, P144, P313, P402
- Suicide attemptP184, P349, P358, P364, P376
- Suicide predictionP131, P364
- Suicide risk factorsP281
- Superresolution and deconvolution microscopy30.5
- supplementary motor cortexP533
- suprachiasmatic nucleusP180
- sustained threat of shockP185
- switching strategies8
- symptomatologyP564
- synapsesP23, P265
- Synaptic Plasticity2, 2.2, 45.5, P3,
P52, P67, P182, P311,
P462, P609, P621
- synaptic pruningP114
- Synchrony26.3
- synspsisP396
- systemic inflammationP64
- systems neurobiologyP494
- systems neuroscience25
- TAAR1P491, P517
- tactile mismatch2.4

- tandem repeat variation P521
 Target engagement P507
 targeted cognitive training P562, P827
 task fMRI P455
 Taste P680
 tau 56.1, 56.2, P409
 Technology P555
 telemedicine P556
 temperament 44.3
 temperature P409
 Test-Retest Reliability P476
 thalamo-cortical connectivity P564
 Thalamo-cortical Interactions P537
 Thalamus 45.2, 54.3, P24,
 P260, P393, P784
 Thalamus - Reticular nucleus P522
 THC P589, P620, P631, P651, P682, P755
 the COVID-19 pandemic 37.5, P81, P272, P678, P816
 theory of mind P527
 therapeutic target P93
 theta P503
 theta band oscillatory measures P470
 Theta-burst stimulation 50, 50.4, P232
 Threat of Shock P260, P786
 thyroid hormone 10
 tianeptine P292
 Tic disorders P421
 time-frequency P436, P470, P669
 Tissue Transcriptomics P419
 TMS EEG P321
 Tolerability P224
 tolerance P348
 Toll-Like receptors (TLRs) 31.3, P16, P592
 top-down control P710
 total energy P286
 Tourette syndrome P421, P423, P437
 Trace amines-associated receptor 1 P705
 T-RAD Study P20
 training P525
 transcranial direct current stimulation P652
 transcranial magnetic stimulation (TMS) 50, 50.5, 55.2,
 P250, P323, P392
 transcranial photobiomodulation P280
 Transcriptome 28.4, P91, P636, P698
 Transcriptomics 29.3, 39, P123, P134, P360,
 P657, P730, P794
 transcutaneous auricular vagus
 nerve stimulation (taVNS) P326
 Transdiagnostic P433, P791, P804, P827
 Transgender 24
 Transgenic rats 45.3, P711
 translational 37, P62
 Translational approaches to drug development 5, P311
 Translational biomarker approaches
 to drug development P235
 translational imaging P137
 Translational Neuroscience 57, 57.3
 transsynaptic P713
 TRAP2 mice P69
 Trauma P84
 Trauma exposure 27.1, 41.3, P34, P788
 Traumatic Brain Injury (TBI) P5, P24, P45, P425
 Traumatic stress 51, P783
 Treatment Prediction P749
 treatment refractory P480
 treatment resistance 8
 Treatment Resistant Depression 8.2, 8.3, 21.2, P231,
 P273, P392
 treatment targets P669
 Treatment-resistance P350
 Treatment-resistant depression 8.4, P245, P376
 treatment-resistant late life depression 8.4, P328
 treatment-resistant schizophrenia 48.1, P566
 Treatment-Response P215, P227, P457
 tricyclics P262
 T-type Calcium channel P472
 Two-photon P337
 Two-photon calcium imaging 45.4, P785
 Type-2 Diabetes P53
 Ubiquitin Proteasome System P449
 ubiquitination P449
 ultrasonic vocalization P157
 Uncinate Fasciculus 54.3
 Unconditioned responses P31
 underrepresented 59
 unpredictability 54.2
 valence P267, P337, P655
 validity P524
 Value-based Decision-Making P738, P787, P792
 Vapor P651
 Varenicline 17.3
 variability in brain activity pattern P497
 vascular 23.2
 Vasopressin 1a receptor antagonist P154
 ventral attention P28
 ventral hippocampus P50, P269, P489, P626
 Ventral Pallidum P73, P256, P615, P673
 Ventral Striatum P408, P571
 Ventral tegmental area (VTA) 29.5, 57.5, P594, P689
 ventral visual stream P439
 ventrolateral prefrontal cortex 35, P270
 ventromedial prefrontal cortex P788
 veterans 17.1, P34, P477
 VGLuT2 neurons P427
 VIP neurons P331
 virtual reality P562, P816
 Visceral Fat P453
 visual cortex P464
 visual modulation P439
 visual perception P483
 visuospatial working memory P531
 vIPFC P201
 vole 39.5
 voltage indicator 30, 30.2
 Voxel-Based Morphometry (VBM) 48.3, P156
 VPAC2 receptor antagonist P553
 vulnerability and resilience 37.5
 Vulnerability traits P153
 waist circumference P335
 White Matter 14.1, 27.2, P111
 White Matter Development P107
 white matter integrity P586
 white matter microstructure P85
 WHO risk levels P610
 Whole exome sequencing 48, P146
 whole genome sequence P521
 whole-genome 48.1, P566, P575
 williams syndrome P147
 withdrawal P730, P759
 Within-pair concordance 26.2
 Wnt signaling P236
 women P48

women's health	P76, P707	young adults	P332
Women's Mental Health	P18, P820	youth	P133
working memory	6.5, P568, P620, P712	zebrafish	P171
working memory fMRI	P497	Zinc	P175
World Trade Center responders	P98	zuranolone	P222, P223, P224, P271
Worry	P74		