

# Keyword Index

5-HIAA .....S37, S88, S185  
 5-HT .....S36, S45, S47, S54, S58, S82, S86, S90, S93, S101, S104, S105  
     S134, S141, S142, S153, S157, S160, S174, S184, S205, S224, S231, S263, S269  
 5-HT1A .....S107, S157, S171, S184, S218, S223, S241, S269  
 5-HT2A .....S23, S36, S99, S113, S165, S196, S255  
 5-HT2C .....S188, S205, S252

## A

Acamprosate (CA) .....S89  
 Acetylcholine (Ach) .....S40, S43, S56, S82, S84, S88, S208  
 Adrenocorticotropin (ACTH) .....S130, S185, S212, S214  
 African-Americans .....S78, S155  
 Aggression .....S36, S42, S72, S88, S93, S126, S161, S165, S224  
 Aging .....S5, S6, S9, S16, S17, S42, S68, S77, S78, S79, S80, S81, S82  
     S83, S111, S131, S156, S203  
 Alcohol Abuse .....S30, S40, S55, S56, S63, S88, S89, S91, S93, S145  
     S147, S151, S153, S213, S215, S216, S218, S219, S240  
 Alcohol Withdrawal .....S40  
 Alcohol .....S29, S35, S40, S41, S88, S89, S90, S91, S96, S150, S151  
     S153, S211, S212, S214, S218  
 Amphetamine .....S7, S25, S26, S86, S90, S91, S146, S172, S211, S219  
     S253, S267  
 Amygdala .....S20, S21, S33, S72, S93, S136, S145, S158, S159, S161  
     S164, S189, S216, S222, S228, S243, S251  
 Amyloid-beta .....S16, S17, S39, S77, S80, S182, S223, S225  
 Anticholinergic .....S170, S255  
 Antidepressant .....S23, S52, S53, S56, S61, S95, S97, S106, S107, S109, S123  
     S134, S142, S170, S175, S176, S178, S179, S180, S182, S183  
     S184, S186, S197, S214, S234, S238, S242, S243, S246, S265  
 Anxiety .....S13, S20, S31, S44, S48, S60, S78, S83, S90, S95, S97, S99, S100  
     S101, S104, S135, S153, S167, S172, S175, S178, S179, S181  
     S182, S183, S220, S222, S229, S234, S235, S236, S238, S242

## B

Blood Oxygenation Level Dependent (BOLD) .....S120  
 Body Dysmorphic Disorder .....S232  
 Borderline Personality Disorder (BPD) .....S224  
 Bupropion .....S101, S148

## C

Circadian Cycle .....S62, S63, S64, S95, S140, S267  
 Clozapine .....S32, S44, S45, S49, S114, S122, S190, S193, S197, S200  
     S202, S251  
 Cocaine Abuse .....S35, S55, S63, S87, S88, S145, S182  
 Cocaine Dependence .....S1, S2, S56, S84, S85, S143, S144, S146, S148  
     S151, S210, S214  
 Cocaine .....S1, S2, S15, S34, S35, S67, S68, S84, S85, S86, S92, S93  
     S143, S144, S146, S148, S149, S152, S153, S210, S212, S214  
 Cognition Behavior Therapy (CBT) .....S20, S80, S106, S130  
 Cognition .....S5, S6, S9, S14, S16, S18, S28, S30, S31, S53, S54, S56, S57  
     S61, S65, S66, S71, S77, S78, S81, S84, S99, S111, S117, S119, S121, S122  
     S126, S127, S140, S141, S150, S155, S159, S161, S162, S173, S190, S192  
     S194, S195, S198, S203, S204, S208, S217, S220, S225, S232, S238, S239  
     S248, S249, S254, S255, S260, S261, S263

Contingency Management .....S148  
 Corticotropin Releasing Hormone (CRH) .....S44, S45, S61, S96, S152  
     S175, S234, S235, S242  
 Corticotropin-Releasing Factor (CRF) .....S19, S30, S44, S45, S77  
     S114, S154, S174, S181, S185, S234, S236, S245  
 CREB .....S15, S179, S264

## D

D1 dopamine receptor .....S10, S14, S51, S84, S181, S253, S260  
 D1 receptor .....S126  
 D2 receptors .....S39, S51, S86, S87, S138, S145, S168, S169, S196  
     S197, S212, S256, S258, S263, S268, S270  
 D-amphetamine .....S86, S132, S146, S173, S212, S216, S267  
 Depression .....S6, S7, S19, S22, S23, S63, S94, S97, S99, S102, S105  
     S106, S109, S110, S114, S122, S135, S140, S146, S155, S157, S159, S168  
     S170, S171, S172, S174, S175, S176, S178, S180, S181, S182, S183, S184  
     S185, S186, S188, S215, S222, S223, S224, S231, S232, S233, S234, S235  
     S237, S239, S242, S243, S244, S245, S246, S264, S266  
 Dopamine .....S1, S7, S12, S13, S14, S15, S18, S25, S26, S27, S28, S29, S30  
     S34, S36, S44, S47, S49, S51, S52, S69, S72, S80, S85, S87, S88, S90, S92  
     S102, S105, S115, S124, S132, S133, S138, S139, S143, S148, S149, S151  
     S157, S165, S187, S189, S196, S207, S208, S210, S212, S214, S219, S222  
     S223, S230, S249, S251, S256, S257, S258, S259, S262, S267, S268, S269  
 Dorsal raphe .....S104, S160, S171, S174, S241

## E

ECT .....S99, S178, S188

## F

Fear .....S21, S61, S72, S73, S160, S172, S229, S267  
 FMRI .....S6, S21, S38, S60, S61, S73, S107, S123, S124, S125, S144  
     S159, S160, S161, S162, S163, S164, S167, S168, S169, S194, S195, S216  
     S220, S221, S222, S225, S228, S229, S233, S234, S249, S255, S262

## G

G Protein .....S4, S5, S24, S52, S107, S174, S188, S248, S269  
 GABA .....S2, S3, S4, S25, S54, S72, S112, S122, S128, S131, S136, S146  
     S148, S166, S211, S213, S219, S220, S225, S228, S235, S236, S247, S265  
 Gene expression .....S5, S9, S12, S15, S16, S31, S36, S43, S44, S47, S82  
     S104, S112, S113, S127, S128, S137, S139, S156, S159, S171, S186, S190  
     S191, S199, S202, S205, S209, S211, S213, S216, S245, S255, S260, S266  
 Glucocorticoids .....S45, S126, S130, S154, S164, S171, S238, S239, S243  
 Glutamate (GLU) .....S4, S24, S30, S31, S35, S40, S51, S53, S58, S59, S61  
     S70, S71, S84, S85, S94, S95, S115, S116, S118, S127, S138, S141, S148  
     S166, S170, S195, S196, S200, S207, S215, S216, S217, S230, S246, S247  
     S254, S257, S258, S266, S268

## H

Hippocampus .....S17, S37, S38, S47, S59, S60, S65, S67, S69, S156, S159  
     S172, S174, S186, S197, S219, S230, S238, S248, S264, S266, S267, S268  
 Hypothalamic-pituitary-adrenal axis .....S19, S60, S78, S83, S144  
     S150, S152, S154, S185, S212, S214, S238, S243, S244, S245, S263  
 Hypothalamic-pituitary-gonadal axis .....S15, S16

## I

Impulse Control .....S19, S57, S92, S138, S139, S146, S150, S157, S160  
S161, S168, S169, S173, S232, S235, S240

## L

Lamotrigine .....S103, S109  
Learned helplessness .....S171  
Learning and memory .....S9, S14, S27, S28, S37, S38, S53, S58  
S67, S72, S73, S80, S84, S93, S100, S121, S129, S135  
S146, S204, S213, S215, S239, S251, S264, S265, S267  
Lithium .....S39, S40, S52, S103, S108, S172, S180, S187, S227, S239  
S247, S268  
Locus Coeruleus .....S2

## M

Manic-depressive illness .....S19, S22, S23, S33, S34, S39, S40, S52  
S64, S75, S94, S96, S97, S100, S102, S103, S108, S111, S112, S123, S162  
S166, S172, S174, S176, S177, S180, S181, S182, S186, S187, S225, S234  
S236, S240, S245, S247  
Marijuana (THC) .....S64, S65, S68, S91, S117, S133, S199  
S217, S220, S257  
Menstrual cycle phase .....S75  
Microarray analyses .....S41, S76, S104, S113, S202, S211, S243, S253  
Mood disorders .....S19, S20, S22, S23, S27, S34, S37, S39, S48  
S60, S61, S70, S76, S79, S91, S94, S96, S97, S98, S99, S101, S109, S110  
S111, S112, S134, S140, S149, S159, S163, S176, S177, S180, S181, S182  
S184, S186, S188, S223, S232, S233, S235, S236, S238, S239, S240, S243  
S246, S247, S266, S268  
Mu opioid receptor binding .....S59, S74, S244

## N

N-acetyl-aspartate (NAA) .....S103, S118, S193, S206, S221, S222  
Neurodegenerative disorders .....S16, S17, S47, S65, S77, S78  
S79, S81, S83, S132, S135, S208, S225, S226  
Neuroendocrinology .....S15, S16, S62, S71, S74, S90, S94, S97, S131  
S150, S151, S156, S233, S235, S243, S244, S267  
Neurogenesis .....S2, S8, S9, S70, S179, S188, S253  
Neuroimaging .....S6, S7, S9, S10, S14, S17, S19, S20, S21, S22  
S25, S33, S34, S38, S48, S58, S60, S64, S68, S69, S73, S75, S79, S81  
S82, S84, S94, S98, S102, S123, S128, S136, S143, S148, S151, S154  
S156, S158, S159, S160, S162, S163, S164, S165, S166, S167, S168  
S169, S170, S174, S182, S184, S187, S190, S191, S193, S196, S204  
S206, S207, S210, S212, S218, S220, S221, S222, S223, S224, S225  
S226, S227, S228, S229, S230, S232, S234, S241, S249, S250, S257  
S262, S263, S270  
Neuronal plasticity .....S9, S10, S24, S34, S46, S47, S52, S58, S59, S68  
S70, S121, S142, S180, S183, S239, S261  
Neuronal survival .....S8, S9, S65, S131, S142, S266  
Neuropeptide .....S29, S35, S49, S50, S71, S77, S87, S96, S99, S151, S241  
Neurotrophic factor .....S24, S108, S137, S186, S231, S259, S264  
Nicotine .....S7, S43, S50, S55, S56, S68, S80, S91, S126, S147, S150  
S152, S191, S214, S219, S254  
Norepinephrine .....S1, S2, S4, S5, S14, S24, S28, S52, S66, S67, S78  
S98, S101, S106, S122, S134, S136, S157, S184, S186, S235, S238, S246  
Nucleus accumbens (NAcc) .....S26, S30, S145, S153, S163, S165  
S211, S217, S237

## O

Obesity ....S4, S29, S54, S121, S130, S134, S138, S139, S154, S173, S193, S203  
S205, S213, S230, S233, S261, S264

Obsessive-compulsive disorder .....S36, S47, S95, S98, S108, S153  
S157, S160, S170, S232, S235, S237, S270  
Olanzapine .....S121, S130, S139, S177, S189, S190, S201, S202, S203  
S249, S250, S251, S259

Opioid abuse .....S2, S56, S74, S89, S149, S218  
Opioids .....S5, S29, S30, S35, S74, S75, S102  
Other .....S5, S10, S11, S12, S20, S32, S44, S46, S47, S85, S87, S89  
S100, S104, S110, S118, S120, S122, S123, S131, S133, S134, S140, S149  
S153, S155, S177, S204, S206, S208, S209, S210, S218, S230, S232, S240  
S245, S249, S263, S264  
Oxytocin .....S71, S155

## P

Panic Disorder .....S20, S21, S44, S107, S108, S179  
Parkinson's Disease .....S51, S106, S138  
Placebo .....S20, S113, S114, S115, S137, S138  
S140, S189, S239 S252, S259  
Polydrug abuse .....S90, S147, S148  
Postmortem .....S38, S43, S71, S79, S107, S116, S156, S191  
Prefrontal cortex .....S3, S6, S12, S13, S18, S33, S43, S49, S51, S52, S57, S60  
S61, S69, S73, S81, S84, S93, S116, S120, S130, S131, S136, S137, S143  
S144, S150, S156, S159, S162, S163, S165, S168, S170, S172, S189, S191  
S194, S195, S199, S200, S204, S210, S221, S227, S228, S230, S247, S248  
S253, S257, S258, S262, S263  
Psychosis .....S1, S8, S13, S18, S42, S43, S65, S108, S113, S114, S118  
S119, S122, S124, S125, S127, S128, S135, S177, S192, S196, S198, S199  
S200, S201, S203, S205, S226, S250, S254, S255, S262

## Q

Quetiapine (Seroquel) .....S94, S115, S197, S201, S240

## R

Regional cerebral blood flow .....S162  
REM .....S95, S146, S216  
Repetitive transcranial magnetic stimulation (rTMS) .....S131, S178

## S

Schizoaffective disorder .....S127, S194  
Schizophrenia .....S2, S3, S4, S8, S9, S12, S13, S14, S18, S23, S26, S30  
S32, S38, S39, S43, S44, S45, S49, S50, S52, S54, S56, S57, S58, S61, S62  
S69, S70, S71, S75, S76, S112, S113, S114, S115, S116, S117, S118, S119  
S120, S121, S122, S123, S124, S125, S126, S127, S128, S129, S132, S138  
S139, S141, S145, S161, S163, S168, S169, S170, S188, S189, S190, S191  
S192, S193, S194, S195, S196, S197, S198, S199, S200, S201, S202, S203  
S204, S205, S206, S207, S228, S247, S248, S249, S250, S251, S252, S253  
S254, S255, S256, S257, S258, S259, S260, S261, S262, S263, S264, S265  
S266, S269, S270  
Selective norepinephrine reuptake inhibitors (sNRI) .....S109, S137  
S157, S214, S217, S242  
Selective serotonin reuptake inhibitor .....S90, S98, S99, S106, S108  
S111, S142, S173, S177, S183, S184, S187, S224, S237, S239, S243, S244  
Serotonin .....S18, S26, S36, S37, S53, S54, S72, S98, S102, S106, S111, S131  
S132, S138, S141, S157, S158, S165, S171, S172, S185, S215, S244, S245  
Social phobia .....S164, S178, S179, S241  
SPECT .....S65  
Spines .....S231  
Suprachiasmatic nucleus (SCN) .....S62, S63, S267  
Synaptic plasticity .....S3, S24, S26, S46, S47, S52, S53, S59, S67, S71  
S103, S121, S135, S156, S266, S268

**T**

Tic disorders .....S47, S48, S270  
Tobacco .....S55, S56, S91, S147, S261  
Tolerance .....S74, S87

**U**

Unipolar depression .....S7, S95, S110, S111, S173, S175, S176, S180  
S187, S227, S238

**V**

Valproic acid .....S125, S268

**W**

Working-memory .....S13, S82, S117, S120, S124, S140, S197, S228