



VOLUME 73, 2002 KEYWORD INDEX

- Abstinence, 491
Accuracy, 829
Acetylcholine, 679
Acetylcholinesterase, 893
AChacetylcholine, 511
Achievement tests, 491
(*1S,3R*)-ACPD, 439
ACTH, 209
Activity, 45
AD, 511
Addiction, 835
Adenosine, 573
Adenosine kinase, 573
Adjunctive behavior, 27
Adolescence, 713
Adolescent, 673
 α -Adrenoceptors, 941
 α_1 -Adrenoceptor agonist, 971
Affective state, 259
Affiliation, 61, 769
Ageing, 797
Age-related deficits, 233
Aggression, 7, 713, 769
Aging, 689, 863
Agonist, 545
AIDA, 439
Akinesia, 455
Alcohol, 491
Alcohol craving, 27
Alcohol-preference, 697
Allodynia, 401
Allopregnanolone, 77
Alternation, 723
Alternative reinforcer, 663
Alzheimer's disease, 565
Aminochrome, 843
4-Aminopyridine, 921
Amperozide, 769
Amphetamine, 333, 347
D-Amphetamine, 729
Amygdala, 147
Amyotrophic lateral sclerosis, 447
Anabolic-androgenic steroids, 713
Analgesia, 521, 573, 821, 863
Androgenic effects of levonorgestrel, 951
Animal cognition, 279
Animal model, 631
Antagonist, 611
Antidepressant, 147
Antidepressants, 247, 703
Antioxidant, 647
Antioxidants, 623, 797
Antisense oligonucleotide, 401
Anxiety, 209, 233, 359, 703, 851, 963
Anxiolytic, 359
Anxiolytics, 703
Ascorbic acid, 623
Ataxia, 673
Atypical antipsychotic, 769
Auditory startle response, 131
Bacopa monniera, 893
Balance, 673
Basal forebrain, 511
BD 1047, 779
Bed nucleus of the stria terminalis, 147
Behavior, 105, 159, 209, 247, 271, 877
Behavioral arousal, 259
Behavioral enrichment, 279
Behavioral syndrome, 647
BHK; baby hamster kidney, 439
“Binge” cocaine, 655
Biperiden, 829
Body temperature, 779, 805
Brain-derived neurotrophic factor, 167, 317
Brain electrical stimulation, 27
Brown adipose tissue (BAT), 639
Buspirone, 359
C57BL/6J mice, 655
Caffeine, 631
Calcium channel, 631
Cannabinoid agonist, 911
Cannabinoid antagonist, 911
Cannabis, 835
CB₁ receptor, 835
CBPG, 439
L-CCG-I, 347
CDP, 759
CEI; cholinesterase inhibitor, 511
Cell-mediated immune responses, 271
Channelopathy, 631
ChAT, 511
Cholecystokinin, 593
CHPG, 439
Chronic constriction injury, 411
Chronic sucrose feeding, 601
Chronic treatment, 877
Chronic treatments, 557
Circadian rhythm, 805
Clozapine, 769, 929
Cocaine, 663, 697, 769, 787, 877
Cocaine self-administration, 813
Cognition, 491, 893
Cognitive learning set, 723
Colchicine, 565
Conditioned place aversion, 941
Conditioned place preference, 655, 941
Conditioned taste aversion, 787
Conditioning, 611
Conflict, 359
Contraceptive progestins, 951
Cortical neurons, 287
Cortical slices, 327
Corticosteroid receptor, 147
Corticosterone, 7, 77, 95, 141, 193, 209, 689, 971
Corticotropin-releasing hormone, 147
Cortisol response, 259
CPCCOEt, 439
Cross-sensitization, 835
D₁ receptor, 7
D₂ antagonist, 505
D₃ receptors, 753
Defense, 769

- Delta, 611
 Dementia, 511, 893
 Descending inhibition, 429
 Desensitization, 299
 Development, 61, 141, 447, 713
 Dexamethasone, 971
 DHPG, 347
 3,5-DHPG, 439
 Diazepam, 359
 Diet preference, 529
 DIV, 439
 DOI, 537
 DOI ((\pm)1-(2,5-dimethoxy-4-iodo-phenyl)-2-aminopropane), 327
 Donepezil, 511
 Donepezil (Aricept), 511
 Dopachrome, 843
 Dopamine, 7, 347, 679, 729, 843
 Dopamine antagonist, 869
 Dose-response, 901
 Drug abuse, 835
 Drug discrimination, 753, 759
 Drug use, 491
 DTG, 779
- Early deprivation, 259
 Early experience, 233
 Early handling, 87
 Early weaning, 45
 EEG, 467
 Electroconvulsive treatment, 159
 Elevated plus-maze, 123, 963
 Elevated plus-maze test, 131
 Emotionality, 115
 Enriched, 193
 Enriched environment, 167
 Environment, 193
 Environmental changes, 159
 Environmental enrichment, 209, 225, 233, 271, 279
 Episodic ataxia Type 2, 631
 Essential fatty acid, 545
 Estradiol, 729
 Estrogen, 729
 Ethanol, 45, 551, 631, 689, 787, 963
 Event-related potentials, 593
 Excitotoxicity, 287
 Exercise, 663
 Experimental antinociception, 863
 Exploration, 209
- Familial hemiplegic migraine, 631
 Fat, 545
 Fawn hooded rat, 185
 Fear and anxiety, 131
 Fear conditioning, 367, 391
- Fear expression, 367
 Fear-potentiated startle, 359
 Feeding, 529
 Female offspring, 105
 Fenfluramine, 639
 Fertility, 95
 Fetal alcohol syndrome, 45
 FFT, 467
 FK960, 511
 Flaxseed, 545
 Fluid balance, 475
 Fluoxetine, 703, 713
 Food intake, 545
 Formalin pain, 601
 Free radicals, 647
 Freezing, 7
 Frontal and occipital cortices, 557
 β -Funaltrexamine, 611
- Geller-Seifter, 359
 Gender, 729
 Genetically modified mice, 19
 Genetic background, 19
 Genotype, 821
Ginkgo biloba, 893
 Global ischemia, 439
 Glucocorticoid receptor, 95
 Glucocorticoid receptors, 105
 Glucose, 485
 Glutamate receptor, 287
 Glutamate receptors, 185
 Glutamate, 299, 317, 455, 467
 Group rearing, 7
- Habituation, 679
 Hallucinogenic drugs, 317
 Haloperidol, 505, 929
 Handling, 7
 Head trauma, 287
 Head twitches, 327
 Hippocampus, 233, 247, 689
 24 h maternal separation, 141
 Horizontal activity, 743
 HPA axis, 247
 HPRT, hypoxanthinephosphoribosyl transferase, 583
 5-HT₂ receptors, 327
 5-HT_{2A} receptor, 317
 5-HT_{2C}, 545
 Human, 447, 491, 729
 5-Hydroxytryptamine, 979
 5-Hydroxytryptamine_{2A} receptor, 317
 6-Hydroxydopamine, 455
 6-Hydroxydopamine, 697
 Hyperalgesia, 401, 573, 821
- Hyperosmotic, 475
 Hypothalamic–pituitary–adrenal axis, 53
 Hypothermia, 779
- Imipramine, 557, 941
 Impoverished, 193
 Inbred strains, 821
 Individual differences, 729
 Individuality, 679
 Infarct volume, 901
 Inflammation, 401
 Ingestive behavior, 545
 In situ hybridization, 185
 Interaction, 787
 Intranasal administration, 593
 Intravenous, 663
 IP, 439
 Iron deficiency, 813
 Isolation, 7, 689
 Isolation rearing, 177, 185
 129/J mice, 655
- Kappa, 611
 Kinase, 299
 Kindling, 851
- Latent inhibition, 87
 Lateral hypothalamic area, 27
 LDH, 439
 Learning and memory, 307, 375, 565
 Learning, 193, 209, 233
 Learning processes, 723
 Levonorgestrel, 951
 Levonorgestrel metabolites, 951
 Limit, 901
 Linoleic acid, 545
 Linolenic acid, 545
 Locomotion, 77
 Locomotor activity, 333, 347, 551, 611, 655, 877, 883
 Locomotor sensitization, 551
 Long-Evans rats, 53
 Lorazepam, 703
 Lordosis, 53
 LPC, 593
 LTP, 299, 307, 375
 LY354740, 419
 LY354740 ((+)-2-aminobicyclo [3.1.0] hexane-2,6-dicarboxylic acid), 327
 LY367385, 439
 LY379268, 333, 339, 419, 455
 LY379268 ((–)-2-oxa-4-aminobicyclo [3.1.0] hexane-2,6-dicarboxylic acid), 327

- LY389795, 419
 Lymphocyte, 797
Macaca mulatta, 271
 Macrophage, 797
 Male, 115
 Male sexual behavior, 951
 Marijuana, 835
 Marmoset, 259
 Maternal behavior, 61, 869
 Maternal corticosterone, 105
 Maternal deprivation, 177
 Maternal retention, 869
 Maternal separation, 77, 95, 115, 123, 131
 Mechanical and cold hypersensitivity, 411
 Mechanoreceptor, 475
 Medial prefrontal cortex, 317
 Melatonin, 805
 Meloxicam, 521
 Memory, 193, 209, 233, 391, 491, 511
 Menstrual cycle phase, 729
 Metabotropic glutamate receptor, 333, 339, 381, 401, 447, 455
 Metabotropic glutamate receptors, 327, 347, 359, 367, 375, 411, 429, 439
 Metabotropic glutamate receptors (mGluRs), 391
 Metabotropic glutamate2/3 receptors, 317
 Metabotropic, 299, 467
 mGlu receptor, 339, 439
 mGlu2 receptors, 317
 mGlu2,3 receptors, 419
 mGlu5, 359
 mGluR, 411
 mGluR5, 359, 375
 Mice, 7, 327, 551, 883, 941
 Microdialysis, 77
 Milnacipran, 557
 Modafinil, 723, 971
 Monkeys, 61
 Monoamine receptors, 247
 Monoamines, 851
 Morphine, 611, 697, 821, 883, 941
 Morphine-3-glucuronide, 883
 Morphine-6-glucuronide, 883
 Morris maze, 45
 Mother–infant interactions, 61
 Motion sickness, 979
 Motor activity, 339, 971
 Motor coordination, 673
 Motor neurons, 447
 Mouse model, 583
 MPEP, 359, 375, 439
 MS-377, 505
 Mu, 611
 Muscimol, 929
N-Acetylcysteine, 797
 Naloxone, 611
 Naltrindole, 611
 NBM, 511
 Nefazodone, 689
 Neonatal, 95
 Neonatal handling, 123, 233
 Nerve growth factor, 167
 Neural plasticity, 167, 233
 Neurodegeneration, 843
 Neurodevelopment, 19
 Neuroendocrine, 475
 Neuroleptics, 929
 Neurological deficit, 901
 Neuronal–glial interaction, 287
 Neuronal networks, 307
 Neuropathic pain, 411, 419
 Neuropeptide Y, 147
 Neuroprotection, 439, 455
 Neurotrophin, 159
 Neurotrophin-3, 167
 NGF, 159
 Nicotinamide, 901
 Nicotine, 679
 Nitriles, 647
 NMDA, 185, 921, 439
 Nociceptin/orphanin FQ, 123, 529
 Nociception, 573, 863
 Nonopiod, 521
 Nootropic, 391
 Nor-binaltorphimine, 611
 Norepinephrine, 639
 Nose–brain pathway, 593
 Novelty, 209, 679
 Novelty/sensation seeking, 225
 Nucleus accumbens, 347
 OGD, 439
 7-OH-DPAT, 753
 Olanzapine, 769
 Olfactory bulbectomized rat, 703
 One-trial tolerance, 963
 Open field, 703
 Open-field, 115, 911
 Open-field behaviour, 193
 Operant behavior, 829
 Operant response, 115
 Osmoreceptor, 475
 Oxidative stress, 565
 Oxygen–glucose deprivation, 439
 P300, 593
 Pacing, 53
 Pain, 429, 521
 Pain threshold, 601
 Paracetamol, 521
 Paraventricular nucleus, 147
 Parkinsonism, 843
 Parkinson’s disease, 455
 Paroxetine, 557
 Paroxysmal dyskinesia, 631
 Parturition, 869
 Passive avoidance, 511
 PD 152255, 753
 Pentylenetetrazol, 851, 921
 Peripheral benzodiazepine receptor, 87
 Persistent pain, 419
 Pharmacokinetics, 883
 Phencyclidine, 339
 Phenethylamine hallucinogens, 317
 Phenobarbital, 963
 Phosphatase, 299
 PI; propidium iodide, 439
 Picrotoxin, 921
 Pituitary–adrenal, 141
 PNU-99194A, 753
 Prenatal alcohol exposure, 45
 Prenatal stress, 53
 Prepulse inhibition, 177, 929
 Prior test experience, 963
 Progesterone, 729
 Progestin, 53
 Propionic acid, 623
 Propionic acidemia, 623
 Protein malnutrition, 759
 Puberty, 95
 Random effects models, 703
 Rat, 115, 359, 375, 381, 391, 447, 565, 611, 663, 963
 Rats, 61, 87, 209, 429, 557, 753, 759, 779, 787, 813, 851, 911
 Receptivity, 53
 σ receptor, 505
 REM, 467
 REM sleep, 557
 Reproduction, 95
 Reserpine, 455
 Responsiveness to change, 485
 Restraint, 77
 Review, 583
 Reward, 115
 Reward seeking, 225
 RHA–RLA/Verh rats, 225
 Rhesus monkeys, 829
 Rostroventral medulla, 429
 Rotational behaviour, 697

- S-14297, 753
Safflower, 545
Salicylate, 647
Salt arousal of drinking, 27
Schedule-induced drinking, 27
Schizophrenia, 159, 177, 929
Scopolamine, 829
SDAT, 511
Seizure susceptibility, 921
Seizures, 851
Selective breeding, 7
Self-administration, 663
Sensitization, 333, 339
Sensorimotor gating, 929
Serial probe recognition (SPR), 829
Serotonin, 317, 537, 545, 713
Sex, 663
Sex differences, 131, 485, 729
Sexual behavior, 95
Short-term memory, 829
SIB, self-injurious behavior, 583
Sigma receptors, 779
Sigma sites, 779
Single housing, 271
Sleep, 247, 467
Slow-wave sleep, 557
Social behavior, 7, 769
Social housing, 271
Social isolation, 209
Social reunion, 259
Social separation/novelty, 259
Social stress, 689
Somatostatin, 511

Spatial alternation, 375
Spatial learning, 381
Spatial navigation, 45
Specific pathogen-free, 271
Spectacled bear, 279
Spinal cord, 447
Spontaneous activity, 971
Spontaneous EPSP, 327
SR-141716, 911
Standardization, 209
Startle, 929
Stereotypic behavior, 583
Stimulants, 491, 729
Stimulus control, 759
Stress, 95, 123, 159, 177, 193, 209,
 233, 537, 631, 703, 971
Stress hyporesponsive period, 141
Stress maternal deprivation, 45
Stress reactivity, 141
Stress response, 105
Stretch injury, 287
Subjective effects, 729
Substitution, 663
Sucrose preference, 115
Sulトpride, 505
Suncus murinus, 979
Sympathetic nervous system, 247
Synaptic plasticity, 307, 375

Tacrine, 511
Tail flick latency, 601
Tail pinch, 537
Taste, 27

Taurine, 863
Testis, 95
 Δ^9 -THC, 911
Thermoregulation, 639, 779
Theta, 307
THIP, 759
Tilting plane, 673
Time course, 901
Tolerance, 821
Toluene, 921
Tottering mice, 631
Touch screen response, 829
TTX, 929
Two-way active avoidance, 87

Ultrasonic, 359
Ultrasonic vocalization, 131
Urinalysis, 247

Vaginocervical stimulation, 743
Vasopressin, 147
Ventral and dorsal hippocampus, 929
Vertical activity, 743
VMH, 601

Wakefulness, 557
Water maze, 623
Wheel-running, 663
Wheel-running activity, 805
WIN 55,212-2, 835

Zoo behavior, 279