

- Adult 355
Aging 114, 169
Akt 437
Allosteric modulation 71
Alzheimer disease 184
Amino acid neurotransmitters 59
 β -Amyloid 184
Antioxidants 1
Apoptosis 125, 328, 405, 426, 437
Astrocyte(s) 14, 169, 300
Autofluorescent inclusion 169
Axons 255
Axotomy 14
- Bergmann glial cells 300
Bilirubin 161
Blood-brain barrier 99, 106
Brain 349, 382, 411
– iron metabolism 94
- Calcium channel 322
Cannabinoids 300
Carbonyl 114
Caspase-3 405
Caspases 396
Cell adhesion molecules 47
– cycle kinetics 467
– death 349, 426
– de-differentiation 214
– differentiation 1
Cerebral energy metabolism 367
– hypoxia-ischemia 418
– ischemia 418
– palsy 426
c-fos 294
c-jun 294
CNS remyelination 227
Compensation for dopamine depletion 531
Complex I 143
Computational model 467
Connectivity 255
Cortex 94
Cranial nerve 328
Creatine 382
Cysteamine 169
Cytokine(s) 352, 389, 396
Cytoskeletal proteins 242
- Deferoxamine 184
Degradation 114
Developing SD rat 94
Developmental changes 478
- Diazepam 71
Differentiation 47, 197
Dopamine 143, 531
- Embryogenesis 197
Energy reserves 411
Epilepsy 294, 355
Ethanol 328, 467
Excitotoxicity 418
Experimental allergic encephalomyelitis 177
External granule layer 14
- Febrile seizure 355
Ferritin 99, 161, 177, 184
– receptors 208
Ferroportin 1 protein 94
Fetal alcohol syndrome 328, 467
Fibroblast growth factor 35
Flurothyl 294
Fos expression 262
- GABA_A receptor 71
Ganglioside patterns 478
Gene 188
Glial fibrillary acidic protein 300
– lineage cells 197
– precursor cells 197
Glutamate 437
Glutamine synthase 300
Glycogen 411
Glycolipids 478
- Han-Wistar rat 262
Heat shock proteins 1, 114
– – protein 70, 389
Heme oxygenase 154, 161
Hemin 161
Hindbrain 328
Hippocampus 94, 262, 294, 355, 485, 512
Histochemistry 99
Histotypic cultures 59
Holoprosencephaly 14
Hox gene 24
5-HT_{1A} receptors 522
Hybridization, in situ 485
6-Hydroxydopamine 531
Hydroxyindole-O-methyltransferase 504
Hypoxia 352
Hypoxia-isch(a)emia 382, 389, 405, 411
– perinatal 396
Hypoxic-ischemic brain damage 367
- IGF-1 227, 396
Immature brain 355
– mice 294
Immaturity 411
Immunocytochemistry 313, 522
Immunocytology 495
Immunohistochemistry 272
IMR-32 neuroblastoma cells 125
In situ nick end labelling 396
– utero diazepam exposure 71
Inclusions 114
Inhibition 389
iNOS 389
Interneuron 283
Intracerebral hemorrhage 154
Intrauterine infection 352
Iron 99, 114, 169, 177, 184, 188, 208, 214
– deficiency 197
– homeostasis 134
– overload 143
– regulatory protein 2 114
– toxicity 125
– transport 106
Ischemia 352
- Kainate 262
- Lipid peroxidation 143
L-MAG 495
Long-Evans hooded rat 485
- Melatonin 504
Mesial temporal sclerosis 355
Metabolism 188
Metabotropic glutamate receptors 272
Methamphetamine 512
N-Methyl-D-aspartate 418
Microglia 14
Migration 47
Mitochondria 143, 169
Mitogen-activated protein kinase 405
Mitogen-activating protein kinase 14
Mitosis 14
MK-801 418
Mood disorder 255
Mossy fiber axons 485
Motoneuron 283
Motor neuron 24
Mouse 322
Multiple sclerosis 177, 208
Muscle afferents 283
Mutation 188

- Myelin 35, 197, 214, 242, 255
 – basic protein 214
 – proteins 47
 Myelination 208
 – in vitro 495
- Necrosis 426
 Neocortex 294, 467
 Neonatal brain injury 418
 – encephalopathy 352
 – mice, 6-hydroxydopamine administration 531
 – rat 382
 – – brain 389
 – seizures 367
 Neonate 349
 Nerve crush 14
 – growth factor 79
 – injury 283
 Neurite 79
 – outgrowth 14
 Neuroblast 14
 Neurodegeneration 114, 188, 405
 Neurogenesis 59, 467
 Neuronal pattern 1
 Neuroprotection 184, 355, 382, 405, 411
 Neuroteratogenicity 328
 Neurotoxicity 184
 Neurotrophin 437
 Nitric oxide 313
 [³H]Noradrenaline release 71
 nNOS 389
 Notch 79
- Oligodendrocyte(s) 14, 35, 197, 208, 227
 Oligodendroglial cells 47
 Oxidation 114, 184
 Oxidative and nitrosative damage 134
 – stress 125, 143, 161
- P₀ 214
 p38 405
 Parkinson disease 143
 Patterning 14, 24
 PC12 cells 79
 Perinatal hypoxia-ischaemia 396
 Phosphatidylinositol 3-kinase 437
 Photoreceptors 504
 Pig(s) 154, 396
 Plasticity 418, 512
 Pontine nuclei 478
 Porphyrin 169
 Postnatal development 106, 272, 283
 Precursor 197
 Prenatal cocaine 522
 Proliferation 14, 197, 313
 Proteasome 114
 Protein kinase C 485
 – oxidation 154
 Protein-folding disease 1
 Proteolipid protein 177
 Psychiatric disorders 255
- Rat 313, 355, 382, 389
 – brain 161, 272
 RBP-J 79
 Reactive oxygen species 184
 – synaptogenesis 262
 Rearing 512
 Regulation 495
 Remyelination 35
 Reperfusion injury 396
 Retina 313, 504
 Rotation culture 504
- Schwann cells 214
 Seizure 294
 Self-injurious behavior 322
 Senile plaque 184
- Sensorimotor deficit 418
 Sensory ganglia 328
 Serotonin 531
 Serotonin 322, 512, 522
 Sialidase 478
 Single nucleotide polymorphism 188
 SJL mice 177
 Spinal cord development 24
 – –, mouse 59
 Splice variant 14
 Stretch reflex 283
 Striatum 94
 Stroke 418, 426
 Substantia nigra 94, 143
 Subventricular zone 426
 Supplementation 382
 Synaptosomes 71
 α -Synuclein 143
- Δ^9 -THC 300
 Therapy 349
 Tissue specificity 222
 Transcription factor(s) 24, 222
 Transection injury 14
 Transfection 222
 Transferrin 47, 99, 184, 208, 214, 222, 227, 242
 – receptor(s) 99, 106, 208
 Transgenic mice 222, 242
 Trk receptor 437
- Western blot analysis 313
 White matter 154, 255
- Zinc deficiency 125