

Keyword index

Acetylcholinesterase inhibitor

EEG (electroencephalogram); Neocortex; Monoamine oxidase inhibitor; 5-HT receptor agonist; Scopolamine; Forebrain basal; (Rat) (Dringenberg, H.C. (447) 43)

Acute neuronal injury

p38 MAP Kinase; Cell culture; Neuroprotection; Ischemic cell death; Excitotoxicity (Legos, J.J. (447) 37)

Afferent fibres

Leptin; Vagus nerve; Cholecystokinin; Pancreatic secretion (Guilmeau, S. (447) 99)

Aging

Caffeine; Ryanodine; Thapsigargin; Excitotoxicity; Endoplasmic reticulum; Ca^{2+} imaging (Clodfelter, G.V. (447) 189)

Alcohol

Magnesium; Cerebral microcirculation; Cytochrome oxidase; Hemoglobin; Stroke; Optical spectroscopy (Barbour, R.L. (447) 79)

Allodynia

Neuropathic pain; Nociceptin/orphanin FQ; ORL1 receptor splice variant (Briscini, L. (447) 59)

Alzheimer's disease

Glutamate; Ca^{2+} ; Mitochondrion; Apoptosis; Necrosis; Motor neuron disease (Krieger, C. (447) 177)

Antioxidant

Apoptosis; Drug targeting; Mitochondrion (Dessolin, J. (447) 155)

Antipsychotic

Benzamide; Depression; Prolactin (Marchese, G. (447) 109)

Antipsychotic drugs

Dopamine; Feeding; Glucose; Insulin; Lateral hypothalamus; Leptin; Obesity (Baptista, T. (447) 91)

Anxiety

Nitric oxide (NO); Nitric oxide (NO) donor; Nitrous oxide (N_2O); Light/dark exploration test (Li, S. (447) 75)

Apoptosis

Antioxidant; Drug targeting; Mitochondrion (Dessolin, J. (447) 155)

Glutamate; Ca^{2+} ; Mitochondrion; Necrosis; Motor neuron disease; Alzheimer's disease (Krieger, C. (447) 177)

Astrocyte

Glia; Ca^{2+} ; ATP; Purinoreceptor; Oligodendrocyte; Microglia; Axon; Signalling (James, G. (447) 247)

ATP

Glia; Ca^{2+} ; Purinoreceptor; Astrocyte; Oligodendrocyte; Microglia; Axon; Signalling (James, G. (447) 247)

P2X7; Neurodegeneration; Interleukin-1 (Le Feuvre, R. (447) 261)

Axon

Glia; Ca^{2+} ; ATP; Purinoreceptor; Astrocyte; Oligodendrocyte; Microglia; Signalling (James, G. (447) 247)

Benzamide

Antipsychotic; Depression; Prolactin (Marchese, G. (447) 109)

BIBP3226

Neuropeptide Y; Neuropeptide Y Y_1 receptor antagonist; Neuropeptide Y Y_2 receptor antagonist; BIIE0246; Sympathetic; Vasoconstriction (Malmström, R.E. (447) 11)

BIIE0246

Neuropeptide Y; Neuropeptide Y Y_1 receptor antagonist; Neuropeptide Y Y_2 receptor antagonist; BIBP3226; Sympathetic; Vasoconstriction (Malmström, R.E. (447) 11)

Brain

Diabetes mellitus; Nerve; Neuron; Ca^{2+} ; Pathogenesis; Treatment; Encephalopathy; Neuropathy (Biessels, G.J. (447) 201)

Ca^{2+}

Ca^{2+} indicator; Fluorescence; Neocortex; Dendrite; Two-photon; In vivo; Olfactory bulb (Helmchen, F. (447) 119)

Transcription; cAMP response element binding protein (CREB); CREB binding protein (CBP); Serum response element (SRE) (Chawla, S. (447) 131)

Glutamate; Mitochondrion; Apoptosis; Necrosis; Motor neuron disease; Alzheimer's disease (Krieger, C. (447) 177)

Diabetes mellitus; Nerve; Brain; Neuron; Pathogenesis; Treatment; Encephalopathy; Neuropathy (Biessels, G.J. (447) 201)

Glia; ATP; Purinoreceptor; Astrocyte; Oligodendrocyte; Microglia; Axon; Signalling (James, G. (447) 247)

Ca^{2+} -sensing receptor; Polyvalent cation; Calcimimetic compound (McLarnon, S.J. (447) 271)

$Ca_v1.3$

Ca^{2+} channel, voltage-gated; L-type Ca^{2+} channel; Embryo, mouse; Heart; Dihydropyridine (Klugbauer, N. (447) 279)

Ca^{2+} binding protein

Endoplasmic reticulum; Ca^{2+} signalling; Unfolded protein response; Endoplasmic reticulum overload response; Neuronal survival; Chaperone (Verkhatsky, A. (447) 141)

Ca^{2+} channel, voltage-gated

$Ca_v1.3$; L-type Ca^{2+} channel; Embryo, mouse; Heart; Dihydropyridine (Klugbauer, N. (447) 279)

Ca²⁺ compartmentalisation

Dendritic spine; Mossy fibre synapse; CA3 pyramidal neuron (Reid, C.A. (447) 173)

Caffeine

Ryanodine; Thapsigargin; Aging; Excitotoxicity; Endoplasmic reticulum; Ca²⁺ imaging (Clodfelter, G.V. (447) 189)

Ca²⁺ imaging

Caffeine; Ryanodine; Thapsigargin; Aging; Excitotoxicity; Endoplasmic reticulum (Clodfelter, G.V. (447) 189)

Ca²⁺ indicator

Ca²⁺; Fluorescence; Neocortex; Dendrite; Two-photon; In vivo; Olfactory bulb (Helmchen, F. (447) 119)

Ca²⁺ influx

Synaptic transmission; Synaptic terminal; Neurotransmitter release (Fedulova, S.A. (447) 163)

Calcimimetic compound

Ca²⁺; Ca²⁺-sensing receptor; Polyvalent cation (McLarnon, S.J. (447) 271)

cAMP response element binding protein (CREB)

Ca²⁺; Transcription; CREB binding protein (CBP); Serum response element (SRE) (Chawla, S. (447) 131)

CA3 pyramidal neuron

Dendritic spine; Ca²⁺ compartmentalisation; Mossy fibre synapse (Reid, C.A. (447) 173)

Ca²⁺-sensing receptor

Ca²⁺; Polyvalent cation; Calcimimetic compound (McLarnon, S.J. (447) 271)

Ca²⁺ signalling

Endoplasmic reticulum; Ca²⁺ binding protein; Unfolded protein response; Endoplasmic reticulum overload response; Neuronal survival; Chaperone (Verkhatsky, A. (447) 141)

Cell culture

p38 MAP Kinase; Acute neuronal injury; Neuroprotection; Ischemic cell death; Excitotoxicity (Legos, J.J. (447) 37)

Cell death

Glutamate; Transporter; Receptor; Oligodendrocyte; Demyelination (Matute, C. (447) 239)

Cell proliferation

Noradrenaline; Nonselective cation channel (Kawanabe, Y. (447) 31)

Cerebral microcirculation

Magnesium; Alcohol; Cytochrome oxidase; Hemoglobin; Stroke; Optical spectroscopy (Barbour, R.L. (447) 79)

Chaperone

Endoplasmic reticulum; Ca²⁺ signalling; Ca²⁺ binding protein; Unfolded protein response; Endoplasmic reticulum overload response; Neuronal survival (Verkhatsky, A. (447) 141)

Cholecystokinin

Leptin; Vagus nerve; Afferent fibres; Pancreatic secretion (Guilmeau, S. (447) 99)

CREB binding protein (CBP)

Ca²⁺; Transcription; cAMP response element binding protein (CREB); Serum response element (SRE) (Chawla, S. (447) 131)

Cyclooxygenase

Non-steroidal anti-inflammatory drugs; Prostaglandins (Amann, R. (447) 1)

Cytochrome oxidase

Magnesium; Alcohol; Cerebral microcirculation; Hemoglobin; Stroke; Optical spectroscopy (Barbour, R.L. (447) 79)

Demyelination

Glutamate; Transporter; Receptor; Cell death; Oligodendrocyte (Matute, C. (447) 239)

Dendrite

Ca²⁺; Ca²⁺ indicator; Fluorescence; Neocortex; Two-photon; In vivo; Olfactory bulb (Helmchen, F. (447) 119)

Dendritic spine

Ca²⁺ compartmentalisation; Mossy fibre synapse; CA3 pyramidal neuron (Reid, C.A. (447) 173)

Depression

Antipsychotic; Benzamide; Prolactin (Marchese, G. (447) 109)

Diabetes mellitus

Nerve; Brain; Neuron; Ca²⁺; Pathogenesis; Treatment; Encephalopathy; Neuropathy (Biessels, G.J. (447) 201)

Dihydropyridine

Ca²⁺ channel, voltage-gated; Ca_v1.3; L-type Ca²⁺ channel; Embryo, mouse; Heart (Klugbauer, N. (447) 279)

Dopamine

Phendimetrazine; Phenmetrazine; Norepinephrine; Microdialysis (Rothman, R.B. (447) 51)

Antipsychotic drugs; Feeding; Glucose; Insulin; Lateral hypothalamus; Leptin; Obesity (Baptista, T. (447) 91)

Drug targeting

Apoptosis; Antioxidant; Mitochondrion (Dessolin, J. (447) 155)

EEG (electroencephalogram)

Neocortex; Acetylcholinesterase inhibitor; Monoamine oxidase inhibitor; 5-HT receptor agonist; Scopolamine; Forebrain basal; (Rat) (Dringenberg, H.C. (447) 43)

Embryo, mouse

Ca²⁺ channel, voltage-gated; Ca_v1.3; L-type Ca²⁺ channel; Heart; Dihydropyridine (Klugbauer, N. (447) 279)

Encephalopathy

Diabetes mellitus; Nerve; Brain; Neuron; Ca²⁺; Pathogenesis; Treatment; Neuropathy (Biessels, G.J. (447) 201)

Endoplasmic reticulum

Ca²⁺ signalling; Ca²⁺ binding protein; Unfolded protein response; Endoplasmic reticulum overload response; Neuronal survival; Chaperone (Verkhatsky, A. (447) 141)

Caffeine; Ryanodine; Thapsigargin; Aging; Excitotoxicity; Ca²⁺ imaging (Clodfelter, G.V. (447) 189)

Endoplasmic reticulum overload response

Endoplasmic reticulum; Ca²⁺ signalling; Ca²⁺ binding protein; Unfolded protein response; Neuronal survival; Chaperone (Verkhatsky, A. (447) 141)

Epilepsy

Glial cell; Hippocampus; Ion channel; Glutamate receptor (Steinhäuser, C. (447) 227)

Excitotoxicity

p38 MAP Kinase; Acute neuronal injury; Cell culture; Neuroprotection; Ischemic cell death (Legos, J.J. (447) 37)

Caffeine; Ryanodine; Thapsigargin; Aging; Endoplasmic reticulum; Ca^{2+} imaging (Clodfelter, G.V. (447) 189)

Feeding

Antipsychotic drugs; Dopamine; Glucose; Insulin; Lateral hypothalamus; Leptin; Obesity (Baptista, T. (447) 91)

Fluorescence

Ca^{2+} ; Ca^{2+} indicator; Neocortex; Dendrite; Two-photon; In vivo; Olfactory bulb (Helmchen, F. (447) 119)

Forebrain basal

EEG (electroencephalogram); Neocortex; Acetylcholinesterase inhibitor; Monoamine oxidase inhibitor; 5-HT receptor agonist; Scopolamine; (Rat) (Dringenberg, H.C. (447) 43)

GABA_A–benzodiazepine receptor

5-HT_{1A} receptor knockout mice; Pentylentetrazol; Positive righting reflex; Stress-induced hyperthermia; (In vivo) (Pattij, T. (447) 67)

Gastric acid secretion

PAR-2 (protease-activated receptor-2); Protease (proteinase); Gastric mucosal cytoprotection (Nishikawa, H. (447) 87)

Gastric mucosal cytoprotection

PAR-2 (protease-activated receptor-2); Protease (proteinase); Gastric acid secretion (Nishikawa, H. (447) 87)

Glia

Ca^{2+} ; ATP; Purinoreceptor; Astrocyte; Oligodendrocyte; Microglia; Axon; Signalling (James, G. (447) 247)

Glial cell

Epilepsy; Hippocampus; Ion channel; Glutamate receptor (Steinhäuser, C. (447) 227)

Glucose

Antipsychotic drugs; Dopamine; Feeding; Insulin; Lateral hypothalamus; Leptin; Obesity (Baptista, T. (447) 91)

Glutamate

Ca^{2+} ; Mitochondrion; Apoptosis; Necrosis; Motor neuron disease; Alzheimer's disease (Krieger, C. (447) 177)

Transporter; Receptor; Cell death; Oligodendrocyte; Demyelination (Matute, C. (447) 239)

Kynurenine; Quinolinic acid; Kynurenic acid; Neuroprotection; Neurodegeneration (Stone, T.W. (447) 285)

Glutamate receptor

Epilepsy; Glial cell; Hippocampus; Ion channel (Steinhäuser, C. (447) 227)

Heart

Ca^{2+} channel, voltage-gated; $\text{Ca}_v1.3$; L-type Ca^{2+} channel; Embryo, mouse; Dihydropyridine (Klugbauer, N. (447) 279)

Hemoglobin

Magnesium; Alcohol; Cerebral microcirculation; Cytochrome oxidase; Stroke; Optical spectroscopy (Barbour, R.L. (447) 79)

Hippocampus

Epilepsy; Glial cell; Ion channel; Glutamate receptor (Steinhäuser, C. (447) 227)

5-HT receptor agonist

EEG (electroencephalogram); Neocortex; Acetylcholinesterase inhibitor; Monoamine oxidase inhibitor; Scopolamine; Forebrain basal; (Rat) (Dringenberg, H.C. (447) 43)

5-HT_{1A} receptor knockout mice

GABA_A–benzodiazepine receptor; Pentylentetrazol; Positive righting reflex; Stress-induced hyperthermia; (In vivo) (Pattij, T. (447) 67)

Insulin

Antipsychotic drugs; Dopamine; Feeding; Glucose; Lateral hypothalamus; Leptin; Obesity (Baptista, T. (447) 91)

Interleukin-1

ATP; P2X7; Neurodegeneration (Le Feuvre, R. (447) 261)

In vivo

Ca^{2+} ; Ca^{2+} indicator; Fluorescence; Neocortex; Dendrite; Two-photon; Olfactory bulb (Helmchen, F. (447) 119)

Ion channel

Epilepsy; Glial cell; Hippocampus; Glutamate receptor (Steinhäuser, C. (447) 227)

Ischemic cell death

p38 MAP Kinase; Acute neuronal injury; Cell culture; Neuroprotection; Excitotoxicity (Legos, J.J. (447) 37)

Kynurenic acid

Kynurenine; Quinolinic acid; Glutamate; Neuroprotection; Neurodegeneration (Stone, T.W. (447) 285)

Kynurenine

Quinolinic acid; Kynurenic acid; Glutamate; Neuroprotection; Neurodegeneration (Stone, T.W. (447) 285)

Lateral hypothalamus

Antipsychotic drugs; Dopamine; Feeding; Glucose; Insulin; Leptin; Obesity (Baptista, T. (447) 91)

Leptin

Antipsychotic drugs; Dopamine; Feeding; Glucose; Insulin; Lateral hypothalamus; Obesity (Baptista, T. (447) 91)

Vagus nerve; Afferent fibres; Cholecystokinin; Pancreatic secretion (Guilmeau, S. (447) 99)

Light/dark exploration test

Nitric oxide (NO); Nitric oxide (NO) donor; Nitrous oxide (N_2O); Anxiety (Li, S. (447) 75)

L-type Ca^{2+} channel

Ca^{2+} channel, voltage-gated; $\text{Ca}_v1.3$; Embryo, mouse; Heart; Dihydropyridine (Klugbauer, N. (447) 279)

Magnesium

Alcohol; Cerebral microcirculation; Cytochrome oxidase; Hemoglobin; Stroke; Optical spectroscopy (Barbour, R.L. (447) 79)

p38 MAP Kinase

Acute neuronal injury; Cell culture; Neuroprotection; Ischemic cell death; Excitotoxicity (Legos, J.J. (447) 37)

Microdialysis

Phendimetrazine; Phenmetrazine; Dopamine; Norepinephrine (Rothman, R.B. (447) 51)

Microglia

Glia; Ca^{2+} ; ATP; Purinoreceptor; Astrocyte; Oligodendrocyte; Axon; Signalling (James, G. (447) 247)

Mitochondrion

Apoptosis; Antioxidant; Drug targeting (Dessolin, J. (447) 155)

Glutamate; Ca^{2+} ; Apoptosis; Necrosis; Motor neuron disease; Alzheimer's disease (Krieger, C. (447) 177)

Molecular genetics

Pharmacology; Voltage-dependent calcium channel (Jones, O.T. (447) 211)

Monoamine oxidase inhibitor

EEG (electroencephalogram); Neocortex; Acetylcholinesterase inhibitor; 5-HT receptor agonist; Scopolamine; Forebrain basal; (Rat) (Dringenberg, H.C. (447) 43)

Mossy fibre synapse

Dendritic spine; Ca^{2+} compartmentalisation; CA3 pyramidal neuron (Reid, C.A. (447) 173)

Motor neuron disease

Glutamate; Ca^{2+} ; Mitochondrion; Apoptosis; Necrosis; Alzheimer's disease (Krieger, C. (447) 177)

Necrosis

Glutamate; Ca^{2+} ; Mitochondrion; Apoptosis; Motor neuron disease; Alzheimer's disease (Krieger, C. (447) 177)

Neocortex

EEG (electroencephalogram); Acetylcholinesterase inhibitor; Monoamine oxidase inhibitor; 5-HT receptor agonist; Scopolamine; Forebrain basal; (Rat) (Dringenberg, H.C. (447) 43)

Ca^{2+} ; Ca^{2+} indicator; Fluorescence; Dendrite; Two-photon; In vivo; Olfactory bulb (Helmchen, F. (447) 119)

Nerve

Diabetes mellitus; Brain; Neuron; Ca^{2+} ; Pathogenesis; Treatment; Encephalopathy; Neuropathy (Biessels, G.J. (447) 201)

Neurodegeneration

ATP; P2X7; Interleukin-1 (Le Feuvre, R. (447) 261)

Kynurenine; Quinolinic acid; Kynurenic acid; Glutamate; Neuroprotection (Stone, T.W. (447) 285)

Neuron

Diabetes mellitus; Nerve; Brain; Ca^{2+} ; Pathogenesis; Treatment; Encephalopathy; Neuropathy (Biessels, G.J. (447) 201)

Neuronal survival

Endoplasmic reticulum; Ca^{2+} signalling; Ca^{2+} binding protein; Unfolded protein response; Endoplasmic reticulum overload response; Chaperone (Verkhatsky, A. (447) 141)

Neuropathic pain

Allodynia; Nociceptin/orphanin FQ; ORL1 receptor splice variant (Briscini, L. (447) 59)

Neuropathy

Diabetes mellitus; Nerve; Brain; Neuron; Ca^{2+} ; Pathogenesis; Treatment; Encephalopathy (Biessels, G.J. (447) 201)

Neuropeptide Y

Neuropeptide Y Y_1 receptor antagonist; Neuropeptide Y Y_2 receptor antagonist; BIBP3226; BIIE0246; Sympathetic; Vasoconstriction (Malmström, R.E. (447) 11)

Neuropeptide Y Y_1 receptor antagonist

Neuropeptide Y; Neuropeptide Y Y_2 receptor antagonist; BIBP3226; BIIE0246; Sympathetic; Vasoconstriction (Malmström, R.E. (447) 11)

Neuropeptide Y Y_2 receptor antagonist

Neuropeptide Y; Neuropeptide Y Y_1 receptor antagonist; BIBP3226; BIIE0246; Sympathetic; Vasoconstriction (Malmström, R.E. (447) 11)

Neuroprotection

p38 MAP Kinase; Acute neuronal injury; Cell culture; Ischemic cell death; Excitotoxicity (Legos, J.J. (447) 37)

Kynurenine; Quinolinic acid; Kynurenic acid; Glutamate; Neurodegeneration (Stone, T.W. (447) 285)

Neurotransmitter release

Synaptic transmission; Synaptic terminal; Ca^{2+} influx (Fedulova, S.A. (447) 163)

Nitric oxide (NO)

Nitric oxide (NO) donor; Nitrous oxide (N_2O); Light/dark exploration test; Anxiety (Li, S. (447) 75)

Nitric oxide (NO) donor

Nitric oxide (NO); Nitrous oxide (N_2O); Light/dark exploration test; Anxiety (Li, S. (447) 75)

Nitrous oxide (N_2O)

Nitric oxide (NO); Nitric oxide (NO) donor; Light/dark exploration test; Anxiety (Li, S. (447) 75)

Nociceptin/orphanin FQ

Allodynia; Neuropathic pain; ORL1 receptor splice variant (Briscini, L. (447) 59)

Nonselective cation channel

Noradrenaline; Cell proliferation (Kawanabe, Y. (447) 31)

Non-steroidal anti-inflammatory drugs

Cyclooxygenase; Prostaglandins (Amann, R. (447) 1)

Noradrenaline

Nonselective cation channel; Cell proliferation (Kawanabe, Y. (447) 31)

Norepinephrine

Phendimetrazine; Phenmetrazine; Dopamine; Microdialysis (Rothman, R.B. (447) 51)

Obesity

Antipsychotic drugs; Dopamine; Feeding; Glucose; Insulin; Lateral hypothalamus; Leptin (Baptista, T. (447) 91)

Olfactory bulb

Ca²⁺; Ca²⁺ indicator; Fluorescence; Neocortex; Dendrite; Two-photon; In vivo (Helmchen, F. (447) 119)

Oligodendrocyte

Glutamate; Transporter; Receptor; Cell death; Demyelination (Matute, C. (447) 239)

Glia; Ca²⁺; ATP; Purinoreceptor; Astrocyte; Microglia; Axon; Signalling (James, G. (447) 247)

Optical spectroscopy

Magnesium; Alcohol; Cerebral microcirculation; Cytochrome oxidase; Hemoglobin; Stroke (Barbour, R.L. (447) 79)

ORL1 receptor splice variant

Allodynia; Neuropathic pain; Nociceptin/orphanin FQ (Briscini, L. (447) 59)

Pancreatic secretion

Leptin; Vagus nerve; Afferent fibres; Cholecystokinin (Guilmeau, S. (447) 99)

PAR-2 (protease-activated receptor-2)

Protease (proteinase); Gastric acid secretion; Gastric mucosal cytoprotection (Nishikawa, H. (447) 87)

Pathogenesis

Diabetes mellitus; Nerve; Brain; Neuron; Ca²⁺; Treatment; Encephalopathy; Neuropathy (Biessels, G.J. (447) 201)

Pentylentetrazol

5-HT_{1A} receptor knockout mice; GABA_A-benzodiazepine receptor; Positive righting reflex; Stress-induced hyperthermia; (In vivo) (Pattij, T. (447) 67)

Pharmacology

Molecular genetics; Voltage-dependent calcium channel (Jones, O.T. (447) 211)

Phendimetrazine

Phenmetrazine; Dopamine; Norepinephrine; Microdialysis (Rothman, R.B. (447) 51)

Phenmetrazine

Phendimetrazine; Dopamine; Norepinephrine; Microdialysis (Rothman, R.B. (447) 51)

Polyvalent cation

Ca²⁺; Ca²⁺-sensing receptor; Calcimimetic compound (McLarnon, S.J. (447) 271)

Positive righting reflex

5-HT_{1A} receptor knockout mice; GABA_A-benzodiazepine receptor; Pentylentetrazol; Stress-induced hyperthermia; (In vivo) (Pattij, T. (447) 67)

Prolactin

Antipsychotic; Benzamide; Depression (Marchese, G. (447) 109)

Prostaglandins

Non-steroidal anti-inflammatory drugs; Cyclooxygenase (Amann, R. (447) 1)

Protease (proteinase)

PAR-2 (protease-activated receptor-2); Gastric acid secretion; Gastric mucosal cytoprotection (Nishikawa, H. (447) 87)

Purinoreceptor

Glia; Ca²⁺; ATP; Astrocyte; Oligodendrocyte; Microglia; Axon; Signalling (James, G. (447) 247)

P2X7

ATP; Neurodegeneration; Interleukin-1 (Le Feuvre, R. (447) 261)

Quinolinic acid

Kynurenine; Kynurenic acid; Glutamate; Neuroprotection; Neurodegeneration (Stone, T.W. (447) 285)

Receptor

Glutamate; Transporter; Cell death; Oligodendrocyte; Demyelination (Matute, C. (447) 239)

Ryanodine

Caffeine; Thapsigargin; Aging; Excitotoxicity; Endoplasmic reticulum; Ca²⁺ imaging (Clodfelter, G.V. (447) 189)

Scopolamine

EEG (electroencephalogram); Neocortex; Acetylcholinesterase inhibitor; Monoamine oxidase inhibitor; 5-HT receptor agonist; Forebrain basal; (Rat) (Dringenberg, H.C. (447) 43)

Serum response element (SRE)

Ca²⁺; Transcription; cAMP response element binding protein (CREB); CREB binding protein (CBP) (Chawla, S. (447) 131)

Signalling

Glia; Ca²⁺; ATP; Purinoreceptor; Astrocyte; Oligodendrocyte; Microglia; Axon (James, G. (447) 247)

Stress-induced hyperthermia

5-HT_{1A} receptor knockout mice; GABA_A-benzodiazepine receptor; Pentylentetrazol; Positive righting reflex; (In vivo) (Pattij, T. (447) 67)

Stroke

Magnesium; Alcohol; Cerebral microcirculation; Cytochrome oxidase; Hemoglobin; Optical spectroscopy (Barbour, R.L. (447) 79)

Sympathetic

Neuropeptide Y; Neuropeptide Y Y₁ receptor antagonist; Neuropeptide Y Y₂ receptor antagonist; BIBP3226; BIIIE0246; Vasoconstriction (Malmström, R.E. (447) 11)

Synaptic terminal

Synaptic transmission; Ca²⁺ influx; Neurotransmitter release (Fedulova, S.A. (447) 163)

Synaptic transmission

Synaptic terminal; Ca²⁺ influx; Neurotransmitter release (Fedulova, S.A. (447) 163)

Thapsigargin

Caffeine; Ryanodine; Aging; Excitotoxicity; Endoplasmic reticulum; Ca²⁺ imaging (Clodfelter, G.V. (447) 189)

Transcription

Ca²⁺; cAMP response element binding protein (CREB); CREB binding protein (CBP); Serum response element (SRE) (Chawla, S. (447) 131)

Transporter

Glutamate; Receptor; Cell death; Oligodendrocyte; Demyelination (Matute, C. (447) 239)

Treatment

Diabetes mellitus; Nerve; Brain; Neuron; Ca^{2+} ; Pathogenesis; Encephalopathy; Neuropathy (Biessels, G.J. (447) 201)

Two-photon

Ca^{2+} ; Ca^{2+} indicator; Fluorescence; Neocortex; Dendrite; In vivo; Olfactory bulb (Helmchen, F. (447) 119)

Unfolded protein response

Endoplasmic reticulum; Ca^{2+} signalling; Ca^{2+} binding protein; Endoplasmic reticulum overload response; Neuronal survival; Chaperone (Verkhatsky, A. (447) 141)

Vagus nerve

Leptin; Afferent fibres; Cholecystokinin; Pancreatic secretion (Guilmeau, S. (447) 99)

Vasoconstriction

Neuropeptide Y; Neuropeptide Y Y_1 receptor antagonist; Neuropeptide Y Y_2 receptor antagonist; BIBP3226; BIIIE0246; Sympathetic (Malmström, R.E. (447) 11)

Voltage-dependent calcium channel

Molecular genetics; Pharmacology (Jones, O.T. (447) 211)