

Keyword index

Acetylcholine-activated K^+ channel

Chelerythrine; Bisindolylmaleimide I; Protein kinase C; Atrial myocyte; Electrophysiology (Cho, H. (424) 173)

Acoustic startle response

Prepulse inhibition; Schizophrenia; Apomorphine; Amphetamine; Dizocilpine; (Mouse strain) (Varty, G.B. (424) 27)

ACPT-1 ((1S,3R,4S)-1-aminocyclopentane-1,2,4-tricarboxylic acid)

Anticonvulsant; Glutamate receptor, metabotropic; $mGlu_4$ receptor; $mGlu_8$ receptor; PPG (RS)-4-phosphonophenyl-glycine); MSOP (RS)- α -methylserine-O-phosphate); DBA/2 mouse; GEP (genetically epilepsy-prone) rat (Chapman, A.G. (424) 107)

ACTH (adrenocorticotrophin)

G-protein; Phospholipase A_2 ; Exocytosis; Anterior pituitary (Guild, S.B. (424) 163)

Adrenergic compound

Trigeminovascular; Migraine; Headache (Akerman, S. (424) 53)

α_{1D} -Adrenoceptor

Thoracic aorta, mouse; BMV 7378; Clonidine (Yamamoto, Y. (424) 131)

Airway epithelium

Neurotrophin; Asthma (Fox, A.J. (424) 159)

Alkylamino-1,4-benzoxazine

Antioxidant; Neuroprotection; Astrocyte; Leukomalacia; Cerebral palsy (Lageron, M. (424) 189)

Amphetamine

Acoustic startle response; Prepulse inhibition; Schizophrenia; Apomorphine; Dizocilpine; (Mouse strain) (Varty, G.B. (424) 27)

Tyrosine depletion; Dopamine; Cocaine (McTavish, S.F.B. (424) 115)

Analgesia

Ohmefentanyl isothiocyanate; Stereoisomer; Opioid receptor; Bioassay; Receptor binding (Chen, B.-Y. (424) 195)

Anandamide

Cannabinoid; Capsaicin; Mesenteric arterial bed; Sensory nerve; Vanilloid receptor (Ralevic, V. (424) 211)

Anterior pituitary

G-protein; Phospholipase A_2 ; Exocytosis; ACTH (adrenocorticotrophin) (Guild, S.B. (424) 163)

Anticholinergic drug

Striatum, ventral; Antipsychotic drug; Catalepsy; Receptor occupancy (Alcock, S.J. (424) 179)

Anticonvulsant

Glutamate receptor, metabotropic; $mGlu_4$ receptor; $mGlu_8$ receptor; ACPT-1 ((1S,3R,4S)-1-aminocyclopentane-1,2,4-tricarboxylic acid); PPG

(RS)-4-phosphonophenyl-glycine); MSOP (RS)- α -methylserine-O-phosphate); DBA/2 mouse; GEP (genetically epilepsy-prone) rat (Chapman, A.G. (424) 107)

Antinociception

5-HT (5-hydroxytryptamine, serotonin); 5-HT receptor subtype; Spinal cord; Formalin test; (Rat) (Sasaki, M. (424) 45)

Antioxidant

Neuroprotection; Astrocyte; Leukomalacia; Cerebral palsy; Alkylamino-1,4-benzoxazine (Lageron, M. (424) 189)

Antipsychotic drug

Striatum, ventral; Anticholinergic drug; Catalepsy; Receptor occupancy (Alcock, S.J. (424) 179)

Apolipoprotein-E

Atherosclerosis; Endothelial dysfunction; Hyperlipidemia; Nitric oxide (NO); LDL (low-density lipoproteins, oxidized) (Jiang, F. (424) 141)

Apomorphine

Acoustic startle response; Prepulse inhibition; Schizophrenia; Amphetamine; Dizocilpine; (Mouse strain) (Varty, G.B. (424) 27)

Arachidonic acid

Retinoic acid, *all-trans*; TNF- α (tumor necrosis factor- α); Fas; Lipoxygenase; Cyclooxygenase; PPAR (Peroxisome proliferator-activated receptor) (Vondráček, J. (424) 1)

Asthma

Airway epithelium; Neurotrophin (Fox, A.J. (424) 159)

Astrocyte

Antioxidant; Neuroprotection; Leukomalacia; Cerebral palsy; Alkylamino-1,4-benzoxazine (Lageron, M. (424) 189)

Atherosclerosis

Apolipoprotein-E; Endothelial dysfunction; Hyperlipidemia; Nitric oxide (NO); LDL (low-density lipoproteins, oxidized) (Jiang, F. (424) 141)

Atrial myocyte

Chelerythrine; Bisindolylmaleimide I; Protein kinase C; Acetylcholine-activated K^+ channel; Electrophysiology (Cho, H. (424) 173)

Atrial myocyte, human

Cl^- channel; cAMP-activated; Ventricular myocyte, Human; Endothelin-1; Voltage-clamp technique, Whole cell (Tsai, C.-S. (424) 97)

Automaticity

Taurine; Spontaneous action potential; Ionic current; Ca^{2+} overload; Sino-atrial nodal cell (Satoh, H. (424) 19)

Avoidance conditioning

GAT1 inhibitor; Tiagabine; Spatial learning; Carotid occlusion; CA1 cell death (O'Connell, A.W. (424) 37)

Behavior

Nicotine; L-DOPA (L-3,4-dihydroxyphenylalanine); Dopamine release; Electrical foot-shock; Stress; Nucleus accumbens; Microdialysis (Yamanashi, K. (424) 199)

Bioassay

Ohmefentanyl isothiocyanate; Stereoisomer; Opioid receptor; Analgesia; Receptor binding (Chen, B.-Y. (424) 195)

Bisindolylmaleimide I

Chelerythrine; Protein kinase C; Acetylcholine-activated K⁺ channel; Atrial myocyte; Electrophysiology (Cho, H. (424) 173)

BMY 7378

α_{1D}-Adrenoceptor; Thoracic aorta, mouse; Clonidine (Yamamoto, Y. (424) 131)

Bosentan

Endothelin; Ischaemia/reperfusion; Skeletal muscle; No-reflow; Neutrophil; Oedema; (Rat) (Herbert, K.J. (424) 59)

BP 897

Dopamine; Dopamine D3 receptor; Functional assay; Electrophysiology; Drug dependence (Wicke, K. (424) 85)

CA1 cell death

GAT1 inhibitor; Tiagabine; Avoidance conditioning; Spatial learning; Carotid occlusion (O'Connell, A.W. (424) 37)

cAMP-activated

Cl⁻ channel; Atrial myocyte, human; Ventricular myocyte, Human; Endothelin-1; Voltage-clamp technique, Whole cell (Tsai, C.-S. (424) 97)

Cannabinoid

Anandamide; Capsaicin; Mesenteric arterial bed; Sensory nerve; Vanilloid receptor (Ralevic, V. (424) 211)

Ca²⁺ overload

Taurine; Automaticity; Spontaneous action potential; Ionic current; Sinoatrial nodal cell (Satoh, H. (424) 19)

Ca²⁺ transient

Endothelin-1; Cell shortening; Chelerythrine; Genistein; Ventricular myocyte, rabbit (Wang, H. (424) 91)

Capsaicin

Anandamide; Cannabinoid; Mesenteric arterial bed; Sensory nerve; Vanilloid receptor (Ralevic, V. (424) 211)

Carotid occlusion

GAT1 inhibitor; Tiagabine; Avoidance conditioning; Spatial learning; CA1 cell death (O'Connell, A.W. (424) 37)

Catalepsy

Striatum, ventral; Anticholinergic drug; Antipsychotic drug; Receptor occupancy (Alcock, S.J. (424) 179)

Cell shortening

Endothelin-1; Ca²⁺ transient; Chelerythrine; Genistein; Ventricular myocyte, rabbit (Wang, H. (424) 91)

Cerebral palsy

Antioxidant; Neuroprotection; Astrocyte; Leukomalacia; Alkylamino-1,4-benzoxazine (Largerone, M. (424) 189)

cGMP

Nitric oxide (NO); Vasodilatation; Nitric oxide (NO) synthase; Guanylyl cyclase; Phosphodiesterase V; Endothelial signaling (Buvic, S. (424) 221)

Chelerythrine

Endothelin-1; Cell shortening; Ca²⁺ transient; Genistein; Ventricular myocyte, rabbit (Wang, H. (424) 91)

Bisindolylmaleimide I; Protein kinase C; Acetylcholine-activated K⁺ channel; Atrial myocyte; Electrophysiology (Cho, H. (424) 173)

Cl⁻ channel

cAMP-activated; Atrial myocyte, human; Ventricular myocyte, Human; Endothelin-1; Voltage-clamp technique, Whole cell (Tsai, C.-S. (424) 97)

Clonidine

α_{1D}-Adrenoceptor; Thoracic aorta, mouse; BMY 7378 (Yamamoto, Y. (424) 131)

Cocaine

Tyrosine depletion; Dopamine; Amphetamine (McTavish, S.F.B. (424) 115)

Constipation

YM-31636; 5-HT₃ receptor agonist; Defecation; Emesis; Diarrhea (Ito, H. (424) 151)

Corticosterone

Forced swim test; Sex difference; Depression; Hypothalamic–pituitary–adrenal axis (Brotto, L.A. (424) 203)

Cyclooxygenase

Retinoic acid, *all-trans*; TNF-α (tumor necrosis factor-α); Fas; Arachidonic acid; Lipooxygenase; PPAR (Peroxisome proliferator-activated receptor) (Vondráček, J. (424) 1)

DBA/2 mouse

Anticonvulsant; Glutamate receptor, metabotropic; mGlu₄ receptor; mGlu₈ receptor; ACPT-1 ((1S,3R,4S)-1-aminocyclopentane-1,2,4-tricarboxylic acid); PPG (*RS*)-4-phosphonophenyl-glycine); MSOP (*RS*)-α-methylserine-*O*-phosphate); GEP (genetically epilepsy-prone) rat (Chapman, A.G. (424) 107)

Defecation

YM-31636; 5-HT₃ receptor agonist; Emesis; Constipation; Diarrhea (Ito, H. (424) 151)

Deoxycorticosterone–salt

α-Lipoic acid; Hypertension; Vascular hypertrophy; Renal injury; Endothelin-1 (Takaoka, M. (424) 121)

Depression

Corticosterone; Forced swim test; Sex difference; Hypothalamic–pituitary–adrenal axis (Brotto, L.A. (424) 203)

Diarrhea

YM-31636; 5-HT₃ receptor agonist; Defecation; Emesis; Constipation (Ito, H. (424) 151)

Dizocilpine

Acoustic startle response; Prepulse inhibition; Schizophrenia; Apomorphine; Amphetamine; (Mouse strain) (Varty, G.B. (424) 27)

L-DOPA (L-3,4-dihydroxyphenylalanine)

Nicotine; Dopamine release; Electrical foot-shock; Stress; Behavior; Nucleus accumbens; Microdialysis (Yamanashi, K. (424) 199)

Dopamine

BP 897; Dopamine D3 receptor; Functional assay; Electrophysiology; Drug dependence (Wicke, K. (424) 85)

Tyrosine depletion; Amphetamine; Cocaine (McTavish, S.F.B. (424) 115)

Dopamine D3 receptor

BP 897; Dopamine; Functional assay; Electrophysiology; Drug dependence (Wicke, K. (424) 85)

Dopamine release

Nicotine; L-DOPA (L-3,4-dihydroxyphenylalanine); Electrical foot-shock; Stress; Behavior; Nucleus accumbens; Microdialysis (Yamanashi, K. (424) 199)

Drug dependence

BP 897; Dopamine; Dopamine D3 receptor; Functional assay; Electrophysiology (Wicke, K. (424) 85)

Electrical foot-shock

Nicotine; L-DOPA (L-3,4-dihydroxyphenylalanine); Dopamine release; Stress; Behavior; Nucleus accumbens; Microdialysis (Yamanashi, K. (424) 199)

Electrophysiology

BP 897; Dopamine; Dopamine D3 receptor; Functional assay; Drug dependence (Wicke, K. (424) 85)

Chelerythrine; Bisindolylmaleimide I; Protein kinase C; Acetylcholine-activated K⁺ channel; Atrial myocyte (Cho, H. (424) 173)

Emesis

YM-31636; 5-HT₃ receptor agonist; Defecation; Constipation; Diarrhea (Ito, H. (424) 151)

Endothelial dysfunction

Apolipoprotein-E; Atherosclerosis; Hyperlipidemia; Nitric oxide (NO); LDL (low-density lipoproteins, oxidized) (Jiang, F. (424) 141)

Endothelial signaling

Nitric oxide (NO); cGMP; Vasodilatation; Nitric oxide (NO) synthase; Guanylyl cyclase; Phosphodiesterase V (Buvinic, S. (424) 221)

Endothelin

Ischaemia/reperfusion; Skeletal muscle; Bosentan; No-reflow; Neutrophil; Oedema; (Rat) (Herbert, K.J. (424) 59)

Endothelin-1

Cell shortening; Ca²⁺ transient; Chelerythrine; Genistein; Ventricular myocyte, rabbit (Wang, H. (424) 91)

Cl⁻ channel; cAMP-activated; Atrial myocyte, human; Ventricular myocyte, Human; Voltage-clamp technique, Whole cell (Tsai, C.-S. (424) 97)

α-Lipoic acid; Deoxycorticosterone–salt; Hypertension; Vascular hypertrophy; Renal injury (Takaoka, M. (424) 121)

Exocytosis

G-protein; Phospholipase A₂; ACTH (adrenocorticotrophin); Anterior pituitary (Guild, S.B. (424) 163)

Fas

Retinoic acid, *all-trans*; TNF-α (tumor necrosis factor-α); Arachidonic acid; Lipoxygenase; Cyclooxygenase; PPAR (Peroxisome proliferator-activated receptor) (Vondráček, J. (424) 1)

Forced swim test

Corticosterone; Sex difference; Depression; Hypothalamic–pituitary–adrenal axis (Brotto, L.A. (424) 203)

Formalin test

5-HT (5-hydroxytryptamine, serotonin); 5-HT receptor subtype; Antinociception; Spinal cord; (Rat) (Sasaki, M. (424) 45)

Functional assay

BP 897; Dopamine; Dopamine D3 receptor; Electrophysiology; Drug dependence (Wicke, K. (424) 85)

Gastric acid

Nitric oxide (NO); Ischemia–reperfusion; Polymorphonuclear leukocyte (Tanaka, J. (424) 69)

GAT1 inhibitor

Tiagabine; Avoidance conditioning; Spatial learning; Carotid occlusion; CA1 cell death (O'Connell, A.W. (424) 37)

Genistein

Endothelin-1; Cell shortening; Ca²⁺ transient; Chelerythrine; Ventricular myocyte, rabbit (Wang, H. (424) 91)

Gentamicin

Nitric oxide (NO); Peroxynitrite; Poly(ADP ribose)synthetase; Renal injury (Mazzon, E. (424) 75)

GEP (genetically epilepsy-prone) rat

Anticonvulsant; Glutamate receptor, metabotropic; mGlu₄ receptor; mGlu₈ receptor; ACPT-1 ((1S,3R,4S)-1-aminocyclopentane-1,2,4-tricarboxylic acid); PPG (*RS*)-4-phosphonophenyl-glycine); MSOP (*RS*)-α-methylserine-*O*-phosphate); DBA/2 mouse (Chapman, A.G. (424) 107)

Glibenclamide

Hypothalamus; Glucose (Zhang, Y. (424) R1)

Glucose

Hypothalamus; Glibenclamide (Zhang, Y. (424) R1)

Glutamate receptor, metabotropic

Anticonvulsant; mGlu₄ receptor; mGlu₈ receptor; ACPT-1 ((1S,3R,4S)-1-aminocyclopentane-1,2,4-tricarboxylic acid); PPG (*RS*)-4-phosphonophenyl-glycine); MSOP (*RS*)-α-methylserine-*O*-phosphate); DBA/2 mouse; GEP (genetically epilepsy-prone) rat (Chapman, A.G. (424) 107)

Oligodendrocyte; Kainate (Kelland, E.E. (424) R3)

Gonadotropin

Melatonin; Prolactin; Pregnancy; Puberty (Okatani, Y. (424) 229)

G-protein

MAPK (Mitogen-activated protein kinase); h5-HT_{1A} receptor; (–)-Pindolol; (+)-8-OH-DPAT ((+)-8-Hydroxy-dipropyl-amino-tetralin) (Millan, M.J. (424) 13)

Phospholipase A₂; Exocytosis; ACTH (adrenocorticotrophin); Anterior pituitary (Guild, S.B. (424) 163)

Guanylyl cyclase

Nitric oxide (NO); cGMP; Vasodilatation; Nitric oxide (NO) synthase; Phosphodiesterase V; Endothelial signaling (Buvinic, S. (424) 221)

Headache

Trigeminovascular; Migraine; Adrenergic compound (Akerman, S. (424) 53)

h5-HT_{1A} receptor

MAPK (Mitogen-activated protein kinase); (–)-Pindolol; G protein; (+)-8-OH-DPAT ((+)-8-Hydroxy-dipropyl-amino-tetralin) (Millan, M.J. (424) 13)

5-HT (5-hydroxytryptamine, serotonin)

5-HT receptor subtype; Antinociception; Spinal cord; Formalin test; (Rat) (Sasaki, M. (424) 45)

5-HT₃ receptor agonist

YM-31636; Defecation; Emesis; Constipation; Diarrhea (Ito, H. (424) 151)

5-HT receptor subtype

5-HT (5-hydroxytryptamine, serotonin); Antinociception; Spinal cord; Formalin test; (Rat) (Sasaki, M. (424) 45)

Hyperlipidemia

Apolipoprotein-E; Atherosclerosis; Endothelial dysfunction; Nitric oxide (NO); LDL (low-density lipoproteins, oxidized) (Jiang, F. (424) 141)

Hypertension

α-Lipoic acid; Deoxycorticosterone–salt; Vascular hypertrophy; Renal injury; Endothelin-1 (Takaoka, M. (424) 121)

Hypothalamic–pituitary–adrenal axis

Corticosterone; Forced swim test; Sex difference; Depression (Brotto, L.A. (424) 203)

Hypothalamus

Glibenclamide; Glucose (Zhang, Y. (424) R1)

Ionic current

Taurine; Automaticity; Spontaneous action potential; Ca²⁺ overload; Sino-atrial nodal cell (Satoh, H. (424) 19)

Ischaemia/reperfusion

Endothelin; Skeletal muscle; Bosentan; No-reflow; Neutrophil; Oedema; (Rat) (Herbert, K.J. (424) 59)

Ischemia–reperfusion

Nitric oxide (NO); Gastric acid; Polymorphonuclear leukocyte (Tanaka, J. (424) 69)

Kainate

Oligodendrocyte; Glutamate receptor, metabotropic (Kelland, E.E. (424) R3)

LDL (low-density lipoproteins, oxidized)

Apolipoprotein-E; Atherosclerosis; Endothelial dysfunction; Hyperlipidemia; Nitric oxide (NO) (Jiang, F. (424) 141)

Leukomalacia

Antioxidant; Neuroprotection; Astrocyte; Cerebral palsy; Alkylamino-1,4-benzoxazine (Largerone, M. (424) 189)

α-Lipoic acid

Deoxycorticosterone–salt; Hypertension; Vascular hypertrophy; Renal injury; Endothelin-1 (Takaoka, M. (424) 121)

Lipoxygenase

Retinoic acid, *all-trans*; TNF-α (tumor necrosis factor-α); Fas; Arachidonic acid; Cyclooxygenase; PPAR (Peroxisome proliferator-activated receptor) (Vondráček, J. (424) 1)

MAPK (Mitogen-activated protein kinase)

h5-HT_{1A} receptor; (–)-Pindolol; G protein; (+)-8-OH-DPAT ((+)-8-Hydroxy-dipropyl-amino-tetralin) (Millan, M.J. (424) 13)

Melatonin

Gonadotropin; Prolactin; Pregnancy; Puberty (Okatani, Y. (424) 229)

Mesenteric arterial bed

Anandamide; Cannabinoid; Capsaicin; Sensory nerve; Vanilloid receptor (Ralevic, V. (424) 211)

mGlu₄ receptor

Anticonvulsant; Glutamate receptor, metabotropic; mGlu₈ receptor; ACPT-1 ((1S,3R,4S)-1-aminocyclopentane-1,2,4-tricarboxylic acid); PPG (RS)-4-phosphonophenyl-glycine); MSOP (RS)-α-methylserine-O-phosphate); DBA/2 mouse; GEP (genetically epilepsy-prone) rat (Chapman, A.G. (424) 107)

mGlu₈ receptor

Anticonvulsant; Glutamate receptor, metabotropic; mGlu₄ receptor; ACPT-1 ((1S,3R,4S)-1-aminocyclopentane-1,2,4-tricarboxylic acid); PPG (RS)-4-phosphonophenyl-glycine); MSOP (RS)-α-methylserine-O-phosphate); DBA/2 mouse; GEP (genetically epilepsy-prone) rat (Chapman, A.G. (424) 107)

Microdialysis

Nicotine; L-DOPA (L-3,4-dihydroxyphenylalanine); Dopamine release; Electrical foot-shock; Stress; Behavior; Nucleus accumbens (Yamanashi, K. (424) 199)

Migraine

Trigeminovascular; Headache; Adrenergic compound (Akerman, S. (424) 53)

MSOP (RS)-α-methylserine-O-phosphate)

Anticonvulsant; Glutamate receptor, metabotropic; mGlu₄ receptor; mGlu₈ receptor; ACPT-1 ((1S,3R,4S)-1-aminocyclopentane-1,2,4-tricarboxylic acid); PPG (RS)-4-phosphonophenyl-glycine); DBA/2 mouse; GEP (genetically epilepsy-prone) rat (Chapman, A.G. (424) 107)

Neuroprotection

Antioxidant; Astrocyte; Leukomalacia; Cerebral palsy; Alkylamino-1,4-benzoxazine (Largerone, M. (424) 189)

Neurotrophin

Airway epithelium; Asthma (Fox, A.J. (424) 159)

Neutrophil

Endothelin; Ischaemia/reperfusion; Skeletal muscle; Bosentan; No-reflow; Oedema; (Rat) (Herbert, K.J. (424) 59)

Nicotine

L-DOPA (L-3,4-dihydroxyphenylalanine); Dopamine release; Electrical foot-shock; Stress; Behavior; Nucleus accumbens; Microdialysis (Yamanashi, K. (424) 199)

Nitric oxide (NO)

Ischemia–reperfusion; Gastric acid; Polymorphonuclear leukocyte (Tanaka, J. (424) 69)

Peroxynitrite; Poly(ADP ribose)synthetase; Gentamicin; Renal injury (Mazzon, E. (424) 75)

Apolipoprotein-E; Atherosclerosis; Endothelial dysfunction; Hyperlipidemia; LDL (low-density lipoproteins, oxidized) (Jiang, F. (424) 141)

cGMP; Vasodilatation; Nitric oxide (NO) synthase; Guanylyl cyclase; Phosphodiesterase V; Endothelial signaling (Buvinic, S. (424) 221)

Nitric oxide (NO) synthase

Nitric oxide (NO); cGMP; Vasodilatation; Guanylyl cyclase; Phosphodiesterase V; Endothelial signaling (Buvinic, S. (424) 221)

No-reflow

Endothelin; Ischaemia/reperfusion; Skeletal muscle; Bosentan; Neutrophil; Oedema; (Rat) (Herbert, K.J. (424) 59)

Nucleus accumbens

Nicotine; L-DOPA (L-3,4-dihydroxyphenylalanine); Dopamine release; Electrical foot-shock; Stress; Behavior; Microdialysis (Yamanashi, K. (424) 199)

Oedema

Endothelin; Ischaemia/reperfusion; Skeletal muscle; Bosentan; No-reflow; Neutrophil; (Rat) (Herbert, K.J. (424) 59)

Ohmefentanyl isothiocyanate

Stereoisomer; Opioid receptor; Analgesia; Bioassay; Receptor binding (Chen, B.-Y. (424) 195)

Oligodendrocyte

Kainate; Glutamate receptor, metabotropic (Kelland, E.E. (424) R3)

Opioid receptor

Ohmefentanyl isothiocyanate; Stereoisomer; Analgesia; Bioassay; Receptor binding (Chen, B.-Y. (424) 195)

Peroxynitrite

Nitric oxide (NO); Poly(ADP ribose)synthetase; Gentamicin; Renal injury (Mazzon, E. (424) 75)

Phosphodiesterase V

Nitric oxide (NO); cGMP; Vasodilatation; Nitric oxide (NO) synthase; Guanylyl cyclase; Endothelial signaling (Buvinic, S. (424) 221)

Phospholipase A₂

G-protein; Exocytosis; ACTH (adrenocorticotrophin); Anterior pituitary (Guild, S.B. (424) 163)

(-)-Pindolol

MAPK (Mitogen-activated protein kinase); h5-HT_{1A} receptor; G protein; (+) 8-OH-DPAT ((+) 8-Hydroxy-dipropyl-amino-tetralin) (Millan, M.J. (424) 13)

Poly(ADP ribose)synthetase

Nitric oxide (NO); Peroxynitrite; Gentamicin; Renal injury (Mazzon, E. (424) 75)

Polymorphonuclear leukocyte

Nitric oxide (NO); Ischemia-reperfusion; Gastric acid (Tanaka, J. (424) 69)

PPAR (Peroxisome proliferator-activated receptor)

Retinoic acid, *all-trans*; TNF- α (tumor necrosis factor- α); Fas; Arachidonic acid; Lipoxygenase; Cyclooxygenase (Vondráček, J. (424) 1)

PPG (RS)-4-phosphonophenyl-glycine

Anticonvulsant; Glutamate receptor, metabotropic; mGlu₄ receptor; mGlu₈ receptor; ACPT-1 ((1S,3R,4S)-1-aminocyclopentane-1,2,4-tricarboxylic acid); MSOP (RS)- α -methylserine-O-phosphate; DBA/2 mouse; GEP (genetically epilepsy-prone) rat (Chapman, A.G. (424) 107)

Pregnancy

Melatonin; Gonadotropin; Prolactin; Puberty (Okatani, Y. (424) 229)

Prepulse inhibition

Acoustic startle response; Schizophrenia; Apomorphine; Amphetamine; Dizocilpine; (Mouse strain) (Varty, G.B. (424) 27)

Prolactin

Melatonin; Gonadotropin; Pregnancy; Puberty (Okatani, Y. (424) 229)

Protein kinase C

Chelerythrine; Bisindolylmaleimide I; Acetylcholine-activated K⁺ channel; Atrial myocyte; Electrophysiology (Cho, H. (424) 173)

Puberty

Melatonin; Gonadotropin; Prolactin; Pregnancy (Okatani, Y. (424) 229)

Receptor binding

Ohmefentanyl isothiocyanate; Stereoisomer; Opioid receptor; Analgesia; Bioassay (Chen, B.-Y. (424) 195)

Receptor occupancy

Striatum, ventral; Anticholinergic drug; Antipsychotic drug; Catalepsy (Alcock, S.J. (424) 179)

Renal injury

Nitric oxide (NO); Peroxynitrite; Poly(ADP ribose)synthetase; Gentamicin (Mazzon, E. (424) 75)

α -Lipoic acid; Deoxycorticosterone-salt; Hypertension; Vascular hyperthy; Endothelin-1 (Takaoka, M. (424) 121)

Retinoic acid, *all-trans*

TNF- α (tumor necrosis factor- α); Fas; Arachidonic acid; Lipoxygenase; Cyclooxygenase; PPAR (Peroxisome proliferator-activated receptor) (Vondráček, J. (424) 1)

Schizophrenia

Acoustic startle response; Prepulse inhibition; Apomorphine; Amphetamine; Dizocilpine; (Mouse strain) (Varty, G.B. (424) 27)

Sensory nerve

Anandamide; Cannabinoid; Capsaicin; Mesenteric arterial bed; Vanilloid receptor (Ralevic, V. (424) 211)

Sex difference

Corticosterone; Forced swim test; Depression; Hypothalamic-pituitary-adrenal axis (Brotto, L.A. (424) 203)

Sino-atrial nodal cell

Taurine; Automaticity; Spontaneous action potential; Ionic current; Ca²⁺ overload (Satoh, H. (424) 19)

Skeletal muscle

Endothelin; Ischaemia/reperfusion; Bosentan; No-reflow; Neutrophil; Oedema; (Rat) (Herbert, K.J. (424) 59)

Spatial learning

GAT1 inhibitor; Tiagabine; Avoidance conditioning; Carotid occlusion; CA1 cell death (O'Connell, A.W. (424) 37)

Spinal cord

5-HT (5-hydroxytryptamine, serotonin); 5-HT receptor subtype; Antinociception; Formalin test; (Rat) (Sasaki, M. (424) 45)

Spontaneous action potential

Taurine; Automaticity; Ionic current; Ca²⁺ overload; Sino-atrial nodal cell (Satoh, H. (424) 19)

Stereoisomer

Ohmefentanyl isothiocyanate; Opioid receptor; Analgesia; Bioassay; Receptor binding (Chen, B.-Y. (424) 195)

Stress

Nicotine; L-DOPA (L-3,4-dihydroxyphenylalanine); Dopamine release; Electrical foot-shock; Behavior; Nucleus accumbens; Microdialysis (Yamanashi, K. (424) 199)

Striatum, ventral

Anticholinergic drug; Antipsychotic drug; Catalepsy; Receptor occupancy (Alcock, S.J. (424) 179)

Taurine

Automaticity; Spontaneous action potential; Ionic current; Ca^{2+} overload; Sino-atrial nodal cell (Satoh, H. (424) 19)

Thoracic aorta, mouse

α_{1D} -Adrenoceptor; BMJ 7378; Clonidine (Yamamoto, Y. (424) 131)

Tiagabine

GAT1 inhibitor; Avoidance conditioning; Spatial learning; Carotid occlusion; CA1 cell death (O'Connell, A.W. (424) 37)

TNF- α (tumor necrosis factor- α)

Retinoic acid, *all-trans*; Fas; Arachidonic acid; Lipoxygenase; Cyclooxygenase; PPAR (Peroxisome proliferator-activated receptor) (Vondráček, J. (424) 1)

Trigeminovascular

Migraine; Headache; Adrenergic compound (Akerman, S. (424) 53)

Tyrosine depletion

Dopamine; Amphetamine; Cocaine (McTavish, S.F.B. (424) 115)

Vanilloid receptor

Anandamide; Cannabinoid; Capsaicin; Mesenteric arterial bed; Sensory nerve (Ralevic, V. (424) 211)

Vascular hypertrophy

α -Lipoic acid; Deoxycorticosterone-salt; Hypertension; Renal injury; Endothelin-1 (Takaoka, M. (424) 121)

Vasodilatation

Nitric oxide (NO); cGMP; Nitric oxide (NO) synthase; Guanylyl cyclase; Phosphodiesterase V; Endothelial signaling (Buvinc, S. (424) 221)

Ventricular myocyte, Human

Cl^- channel; cAMP-activated; Atrial myocyte, human; Endothelin-1; Voltage-clamp technique, Whole cell (Tsai, C.-S. (424) 97)

Ventricular myocyte, rabbit

Endothelin-1; Cell shortening; Ca^{2+} transient; Chelerythrine; Genistein (Wang, H. (424) 91)

Voltage-clamp technique, Whole cell

Cl^- channel; cAMP-activated; Atrial myocyte, human; Ventricular myocyte, Human; Endothelin-1 (Tsai, C.-S. (424) 97)

YM-31636

5-HT₃ receptor agonist; Defecation; Emesis; Constipation; Diarrhea (Ito, H. (424) 151)