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Acetylcholine

Airway remodelling; Asthma; COPD; Airway smooth muscle; Anticholinergic (Gosens, R. (500) 193)

α -Adrenoceptor

Failing human heart; Aging human heart; β -Adrenoceptor; Muscarinic receptor; Sympathetic activity (Brodde, O.-E. (500) 167)

α_{1D} -Adrenoceptor

Receptor phosphorylation; Vascular tone; Hypertension (García-Sáinz, J.A. (500) 113)

β -Adrenoceptor

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Airway remodelling

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Airway smooth muscle

Airway remodelling; Asthma; COPD; Acetylcholine; Anticholinergic (Gosens, R. (500) 193)

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Proteomics; Neuroscience; Neuropharmacology; Human Proteome Organization; Schizophrenia (Vercauteren, F.G.G. (500) 385)

Amino terminal domain

N-Methyl-D-aspartate receptor; Modulation; Polyamine; Ifenprodil; Zinc (Herin, G.A. (500) 101)

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Angiotensin 1-converting enzyme

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Airway remodelling; Asthma; COPD; Acetylcholine; Airway smooth muscle (Gosens, R. (500) 193)

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GABA; Epilepsy; Transporter; Betaine transporter; Astrocyte; *exo*-THPO; Neuron; Astroglia; Seizure (Schousboe, A. (500) 281)

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Depression; Monoamine; Neurogenesis; SSRI; Tricyclic; Dopamine (Millan, M.J. (500) 371)

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BIBN4096BS; CGRP; Migraine (Arulmani, U. (500) 315)

Antinociception

K⁺ channels; G-protein-coupled receptor; Opioid; Nonsteroidal antiinflammatory drugs; Tricyclic antidepressant (Ocaña, M. (500) 203)

Anxiolytic

Benzodiazepine; γ -Aminobutyric acid_A (Basile, A.S. (500) 441)

Appetite

Benzodiazepine; Endocannabinoid; Obesity; Opioid; Palatability (Cooper, S.J. (500) 37)

ARF

PIP5K; PIP₂; Phosphoinositide metabolism; Rho (Oude Weernink, P.A. (500) 87)

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Histone acetylation/deacetylation; Glucocorticoid resistance; Nuclear factor- κ B (Hayashi, R. (500) 51)

Airway remodelling; COPD; Acetylcholine; Airway smooth muscle; Anticholinergic (Gosens, R. (500) 193)

Airways; Inflammation; Neurotrophin; NGF (nerve growth factor); Lung (Frossard, N. (500) 453)

Astrocyte

GABA; Epilepsy; Transporter; Betaine transporter; *exo*-THPO; Neuron; Astroglia; Anticonvulsant; Seizure (Schousboe, A. (500) 281)

Astroglia

GABA; Epilepsy; Transporter; Betaine transporter; Astrocyte; *exo*-THPO; Neuron; Anticonvulsant; Seizure (Schousboe, A. (500) 281)

ATP and purinergic mechanism

Sympathetic neurotransmission; Co-transmission; Noradrenaline and vasoconstriction; Neuropeptide Y modulation; Human vascular neuroeffector junction (Pablo Huidobro-Toro, J. (500) 27)

Bay K 8644

Ca²⁺ transient; Intracellular Ca²⁺ concentration; Cyclopiazonic acid; Force–frequency relationship (FFR); Forskolin; Gingerol; Intracellular Na⁺ concentration; L-type Ca²⁺ channel; Na⁺–Ca²⁺ exchanger; Ryanodine channel; SERCA2a; Thapsigargin; Trifluoperazine; W-7 (Endoh, M. (500) 73)

Behavior

Dopamine; Dopamine receptor; *C. elegans*; Genetics (Suo, S. (500) 159)

Benzodiazepine

Appetite; Endocannabinoid; Obesity; Opioid; Palatability (Cooper, S.J. (500) 37)

Anxiolytic; γ -Aminobutyric acid_A (Basile, A.S. (500) 441)

Betaine transporter

GABA; Epilepsy; Transporter; Astrocyte; *exo*-THPO; Neuron; Astroglia; Anticonvulsant; Seizure (Schousboe, A. (500) 281)

BIBN4096BS

Antimigraine drug; CGRP; Migraine (Arulmani, U. (500) 315)

Body temperature

3,4-Methylenedioxymethamphetamine; Ecstasy; Hyperthermia; Neurotoxicity; Serotonin (Green, A.R. (500) 3)

Bradykinin

Angiotensin 1-converting enzyme; Diabetes mellitus; Kinin B₁ receptor; Kinin B2 receptor; Oxidative stress (Couture, R. (500) 467)

Brain

Capsaicin; Primary sensory neuron; Viscera; Pain; Inflammation (Nagy, I. (500) 351)

Sickness behaviour; Cytokines; Inflammation; Afferent nerve; Pain; Sleep; Learning and memory (Dantzer, R. (500) 399)

Bronchial smooth muscle

Capsaicin; Sensory neurotransmitter; Visceral smooth muscle; Gastrointestinal tract; Genitourinary tract (Barthó, L. (500) 143)

C. elegans

Dopamine; Dopamine receptor; Behavior; Genetics (Suo, S. (500) 159)

Ca²⁺

Nicotine; Nonsynaptic; Transmitter release; Two-photon imaging (Sylvester Vizi, E. (500) 499)

Ca²⁺ transient

Bay K 8644; Intracellular Ca²⁺ concentration; Cyclopiazonic acid; Force–frequency relationship (FFR); Forskolin; Gingerol; Intracellular Na⁺ concentration; L-type Ca²⁺ channel; Na⁺–Ca²⁺ exchanger; Ryanodine channel; SERCA2a; Thapsigargin; Trifluoperazine; W-7 (Endoh, M. (500) 73)

Cannabinoid

CB1 receptor; Endocannabinoid-CB receptor system; Development; Failure-to-thrive; Implantation (Fride, E. (500) 289)

Capsaicin

Sensory neurotransmitter; Visceral smooth muscle; Gastrointestinal tract; Bronchial smooth muscle; Genitourinary tract (Barthó, L. (500) 143)

Primary sensory neuron; Brain; Viscera; Pain; Inflammation (Nagy, I. (500) 351)

Caspase-1

Interleukin-18; Interleukin-1 β ; Interleukin-18 binding protein; Inflammation (Mühl, H. (500) 63)

Catechin

Green tea; Tea polyphenol; (–)-Epigallocatechin gallate; Gastrointestinal tract (Koo, M.W.L. (500) 177)

CB₁ receptor

Cannabinoid; Endocannabinoid-CB receptor system; Development; Failure-to-thrive; Implantation (Fride, E. (500) 289)

Cell culture

Neurosteroid; Ethanol; GABA_A receptor; Gene expression; Pregnancy (Follesa, P. (500) 413)

CGRP

Antimigraine drug; BIBN4096BS; Migraine (Arulmani, U. (500) 315)

Chocolate

Polyphenol; Wine; Tea; Vascular protection (Stoclet, J.-C. (500) 299)

(–)-Clausenamide

Natural product; Huperzine A; *s*-(–)-3-*n*-butylphthalide; *Ginkgo biloba* extract (Zhu, X.Z. (500) 221)

COPD

Airway remodelling; Asthma; Acetylcholine; Airway smooth muscle; Anticholinergic (Gosens, R. (500) 193)

Co-transmission

Sympathetic neurotransmission; ATP and purinergic mechanism; Noradrenaline and vasoconstriction; Neuropeptide Y modulation; Human vascular neuroeffector junction (Pablo Huidobro-Toro, J. (500) 27)

COX (Cyclo-oxygenase)

NSAID; COX-2 inhibitor; Coxib; Enteropathy; Intestinal permeability; Enteral bacteria; Neutrophil; Nitric oxide; iNOS; Peroxynitrite (Whittle, B.J.R. (500) 427)

COX-2 inhibitor

NSAID; COX (Cyclo-oxygenase); Coxib; Enteropathy; Intestinal permeability; Enteral bacteria; Neutrophil; Nitric oxide; iNOS; Peroxynitrite (Whittle, B.J.R. (500) 427)

Coxib

NSAID; COX (Cyclo-oxygenase); COX-2 inhibitor; Enteropathy; Intestinal permeability; Enteral bacteria; Neutrophil; Nitric oxide; iNOS; Peroxynitrite (Whittle, B.J.R. (500) 427)

Cyclopiazonic acid

Bay K 8644; Ca²⁺ transient; Intracellular Ca²⁺ concentration; Force–frequency relationship (FFR); Forskolin; Gingerol; Intracellular Na⁺ concentration; L-type Ca²⁺ channel; Na⁺–Ca²⁺ exchanger; Ryanodine channel; SERCA2a; Thapsigargin; Trifluoperazine; W-7 (Endoh, M. (500) 73)

Cytokines

Sickness behaviour; Inflammation; Brain; Afferent nerve; Pain; Sleep; Learning and memory (Dantzer, R. (500) 399)

Depression

Antidepressant; Monoamine; Neurogenesis; SSRI; Tricyclic; Dopamine (Millan, M.J. (500) 371)

Development

Cannabinoid; CB₁ receptor; Endocannabinoid-CB receptor system; Failure-to-thrive; Implantation (Fride, E. (500) 289)

Diabetes mellitus

Angiotensin 1-converting enzyme; Bradykinin; Kinin B₁ receptor; Kinin B₂ receptor; Oxidative stress (Couture, R. (500) 467)

Dopamine

Dopamine receptor; *C. elegans*; Behavior; Genetics (Suo, S. (500) 159)

Depression; Antidepressant; Monoamine; Neurogenesis; SSRI; Tricyclic (Millan, M.J. (500) 371)

Dopamine D2 receptor

Positron emission tomography; Pain; Striatum (Hagelberg, N. (500) 187)

Dopamine receptor

Dopamine; *C. elegans*; Behavior; Genetics (Suo, S. (500) 159)

Drug discovery

Long QT syndrome; Iatrogenic disease; HERG protein; Torsades de Pointes; High-throughput screening (Finlayson, K. (500) 129)

Drug therapy

Pharmacogenomics; Gene (Nebert, D.W. (500) 267)

Ecstasy

3,4-Methylenedioxymethamphetamine; Hyperthermia; Neurotoxicity; Serotonin; Body temperature (Green, A.R. (500) 3)

Endocannabinoid

Appetite; Benzodiazepine; Obesity; Opioid; Palatability (Cooper, S.J. (500) 37)

Endocannabinoid-CB receptor system

Cannabinoid; CB₁ receptor; Development; Failure-to-thrive; Implantation (Fride, E. (500) 289)

Enteral bacteria

NSAID; COX (Cyclo-oxygenase); COX-2 inhibitor; Coxib; Enteropathy; Intestinal permeability; Neutrophil; Nitric oxide; iNOS; Peroxynitrite (Whittle, B.J.R. (500) 427)

Enteropathy

NSAID; COX (Cyclo-oxygenase); COX-2 inhibitor; Coxib; Intestinal permeability; Enteral bacteria; Neutrophil; Nitric oxide; iNOS; Peroxynitrite (Whittle, B.J.R. (500) 427)

Epidermal growth factor receptor

MAP kinase; Opioid; Human embryonic kidney 293 cell; Extracellular signal-regulated kinase; G protein-coupled receptor (Schulz, R. (500) 487)

(-)-Epigallocatechin gallate

Green tea; Tea polyphenol; Catechin; Gastrointestinal tract (Koo, M.W.L. (500) 177)

Epilepsy

GABA; Transporter; Betaine transporter; Astrocyte; *exo*-THPO; Neuron; Astroglia; Anticonvulsant; Seizure (Schousboe, A. (500) 281)

Ethanol

Neurosteroid; GABA_A receptor; Gene expression; Pregnancy; Cell culture (Follesa, P. (500) 413)

***exo*-THPO**

GABA; Epilepsy; Transporter; Betaine transporter; Astrocyte; Neuron; Astroglia; Anticonvulsant; Seizure (Schousboe, A. (500) 281)

Expression

iNOS (inducible nitric oxide synthase); Signal transduction; Pathway; Promoter; Transcription factor; mRNA stability; RNA binding; Protein (Kleinert, H. (500) 255)

Extracellular signal-regulated kinase

MAP kinase; Opioid; Epidermal growth factor receptor; Human embryonic kidney 293 cell; G protein-coupled receptor (Schulz, R. (500) 487)

Failing human heart

Aging human heart; α -Adrenoceptor; β -Adrenoceptor; Muscarinic receptor; Sympathetic activity (Brodde, O.-E. (500) 167)

Failure-to-thrive

Cannabinoid; CB₁ receptor; Endocannabinoid-CB receptor system; Development; Implantation (Fride, E. (500) 289)

Feeding

Ghrelin; Orexin/hypocretin; Melanin-concentrating hormone; Neuropeptide B; Neuropeptide W (Xu, Y.-L. (500) 243)

Force–frequency relationship (FFR)

Bay K 8644; Ca²⁺ transient; Intracellular Ca²⁺ concentration; Cyclopiazonic acid; Forskolin; Gingerol; Intracellular Na⁺ concentration; L-type Ca²⁺ channel; Na⁺–Ca²⁺ exchanger; Ryanodine channel; SERCA2a; Thapsigargin; Trifluoperazine; W-7 (Endoh, M. (500) 73)

Forskolin

Bay K 8644; Ca²⁺ transient; Intracellular Ca²⁺ concentration; Cyclopiazonic acid; Force–frequency relationship (FFR); Gingerol; Intracellular Na⁺ concentration; L-type Ca²⁺ channel; Na⁺–Ca²⁺ exchanger; Ryanodine channel; SERCA2a; Thapsigargin; Trifluoperazine; W-7 (Endoh, M. (500) 73)

G protein-coupled receptor

MAP kinase; Opioid; Epidermal growth factor receptor; Human embryonic kidney 293 cell; Extracellular signal-regulated kinase (Schulz, R. (500) 487)

GABA

Epilepsy; Transporter; Betaine transporter; Astrocyte; *exo*-THPO; Neuron; Astroglia; Anticonvulsant; Seizure (Schousboe, A. (500) 281)

GABA_A receptor

Neurosteroid; Ethanol; Gene expression; Pregnancy; Cell culture (Follesa, P. (500) 413)

Gastrointestinal tract

Capsaicin; Sensory neurotransmitter; Visceral smooth muscle; Bronchial smooth muscle; Genitourinary tract (Barthó, L. (500) 143)

Green tea; Tea polyphenol; Catechin; (–)-Epigallocatechin gallate (Koo, M.W.L. (500) 177)

Gene

Pharmacogenomics; Drug therapy (Nebert, D.W. (500) 267)

Gene expression

Opioid addiction; Opioid peptide; Opioid receptor; Transcription factor (Przewlocki, R. (500) 331)

Neurosteroid; Ethanol; GABA_A receptor; Pregnancy; Cell culture (Follesa, P. (500) 413)

Genetics

Dopamine; Dopamine receptor; *C. elegans*; Behavior (Suo, S. (500) 159)

Genitourinary tract

Capsaicin; Sensory neurotransmitter; Visceral smooth muscle; Gastrointestinal tract; Bronchial smooth muscle (Barthó, L. (500) 143)

Ghrelin

Feeding; Orexin/hypocretin; Melanin-concentrating hormone; Neuropeptide B; Neuropeptide W (Xu, Y.-L. (500) 243)

Gingerol

Bay K 8644; Ca^{2+} transient; Intracellular Ca^{2+} concentration; Cyclopiazonic acid; Force–frequency relationship (FFR); Forskolin; Intracellular Na^+ concentration; L-type Ca^{2+} channel; Na^+ – Ca^{2+} exchanger; Ryanodine channel; SERCA2a; Thapsigargin; Trifluoperazine; W-7 (Endoh, M. (500) 73)

***Ginkgo biloba* extract**

Natural product; Huperzine A; *s*-(–)-3-*n*-butylphthalide; (–)-Clausenamide (Zhu, X.Z. (500) 221)

Glucocorticoid resistance

Asthma; Histone acetylation/deacetylation; Nuclear factor- κB (Hayashi, R. (500) 51)

G-protein-coupled receptor

K^+ channels; Antinociception; Opioid; Nonsteroidal antiinflammatory drugs; Tricyclic antidepressant (Ocaña, M. (500) 203)

Green tea

Tea polyphenol; Catechin; (–)-Epigallocatechin gallate; Gastrointestinal tract (Koo, M.W.L. (500) 177)

HERG protein

Long QT syndrome; Iatrogenic disease; Torsades de Pointes; Drug discovery; High-throughput screening (Finlayson, K. (500) 129)

High-throughput screening

Long QT syndrome; Iatrogenic disease; HERG protein; Torsades de Pointes; Drug discovery (Finlayson, K. (500) 129)

Histone acetylation/deacetylation

Asthma; Glucocorticoid resistance; Nuclear factor- κB (Hayashi, R. (500) 51)

Human embryonic kidney 293 cell

MAP kinase; Opioid; Epidermal growth factor receptor; Extracellular signal-regulated kinase; G protein-coupled receptor (Schulz, R. (500) 487)

Human Proteome Organization

Proteomics; Neuroscience; Neuropharmacology; Alzheimer's disease; Schizophrenia (Vercauteren, F.G.G. (500) 385)

Human vascular neuroeffector junction

Sympathetic neurotransmission; Co-transmission; ATP and purinergic mechanism; Noradrenaline and vasoconstriction; Neuropeptide Y modulation (Pablo Huidobro-Toro, J. (500) 27)

Huperzine A

Natural product; *s*-(–)-3-*n*-butylphthalide; (–)-Clausenamide; *Ginkgo biloba* extract (Zhu, X.Z. (500) 221)

Hyperalgesia

TRPV1; Vanilloid (Holzer, P. (500) 231)

Hypertension

$\alpha_{1\text{D}}$ -Adrenoceptor; Receptor phosphorylation; Vascular tone (García-Sáinz, J.A. (500) 113)

Hyperthermia

3,4-Methylenedioxymethamphetamine; Ecstasy; Neurotoxicity; Serotonin; Body temperature (Green, A.R. (500) 3)

Iatrogenic disease

Long QT syndrome; HERG protein; Torsades de Pointes; Drug discovery; High-throughput screening (Finlayson, K. (500) 129)

Ifenprodil

N-Methyl-D-aspartate receptor; Amino terminal domain; Modulation; Polyamine; Zinc (Herin, G.A. (500) 101)

Implantation

Cannabinoid; CB_1 receptor; Endocannabinoid- CB receptor system; Development; Failure-to-thrive (Fride, E. (500) 289)

Inflammation

Interleukin-18; Interleukin-1 β ; Interleukin-18 binding protein; Caspase-1 (Mühl, H. (500) 63)

Capsaicin; Primary sensory neuron; Brain; Viscera; Pain (Nagy, I. (500) 351)

Sickness behaviour; Cytokines; Brain; Afferent nerve; Pain; Sleep; Learning and memory (Dantzer, R. (500) 399)

Airways; Asthma; Neurotrophin; NGF (nerve growth factor); Lung (Frossard, N. (500) 453)

iNOS

NSAID; COX (Cyclo-oxygenase); COX-2 inhibitor; Coxib; Enteropathy; Intestinal permeability; Enteral bacteria; Neutrophil; Nitric oxide; Peroxynitrite (Whittle, B.J.R. (500) 427)

iNOS (inducible nitric oxide synthase)

Expression; Signal transduction; Pathway; Promoter; Transcription factor; mRNA stability; RNA binding; Protein (Kleinert, H. (500) 255)

Interleukin-18

Interleukin-1 β ; Interleukin-18 binding protein; Caspase-1; Inflammation (Mühl, H. (500) 63)

Interleukin-18 binding protein

Interleukin-18; Interleukin-1 β ; Caspase-1; Inflammation (Mühl, H. (500) 63)

Interleukin-1 β

Interleukin-18; Interleukin-18 binding protein; Caspase-1; Inflammation (Mühl, H. (500) 63)

Intestinal permeability

NSAID; COX (Cyclo-oxygenase); COX-2 inhibitor; Coxib; Enteropathy; Enteral bacteria; Neutrophil; Nitric oxide; iNOS; Peroxynitrite (Whittle, B.J.R. (500) 427)

Intracellular Ca^{2+} concentration

Bay K 8644; Ca^{2+} transient; Cyclopiazonic acid; Force–frequency relationship (FFR); Forskolin; Gingerol; Intracellular Na^+ concentration; L-type Ca^{2+} channel; Na^+ – Ca^{2+} exchanger; Ryanodine channel; SERCA2a; Thapsigargin; Trifluoperazine; W-7 (Endoh, M. (500) 73)

Intracellular Na^+ concentration

Bay K 8644; Ca^{2+} transient; Intracellular Ca^{2+} concentration; Cyclopiazonic acid; Force–frequency relationship (FFR); Forskolin; Gingerol; L-type Ca^{2+} channel; Na^+ – Ca^{2+} exchanger; Ryanodine channel; SERCA2a; Thapsigargin; Trifluoperazine; W-7 (Endoh, M. (500) 73)

K⁺ channels

Antinociception; G-protein-coupled receptor; Opioid; Nonsteroidal anti-inflammatory drugs; Tricyclic antidepressant (Ocaña, M. (500) 203)

Kinin B₁ receptor

Angiotensin 1-converting enzyme; Bradykinin; Diabetes mellitus; Kinin B₂ receptor; Oxidative stress (Couture, R. (500) 467)

Kinin B₂ receptor

Angiotensin 1-converting enzyme; Bradykinin; Diabetes mellitus; Kinin B₁ receptor; Oxidative stress (Couture, R. (500) 467)

Learning and memory

Sickness behaviour; Cytokines; Inflammation; Brain; Afferent nerve; Pain; Sleep (Dantzer, R. (500) 399)

Long QT syndrome

Idiopathic disease; HERG protein; Torsades de Pointes; Drug discovery; High-throughput screening (Finlayson, K. (500) 129)

L-type Ca²⁺ channel

Bay K 8644; Ca²⁺ transient; Intracellular Ca²⁺ concentration; Cyclopiazonic acid; Force–frequency relationship (FFR); Forskolin; Gingerol; Intracellular Na⁺ concentration; Na⁺–Ca²⁺ exchanger; Ryanodine channel; SERCA2a; Thapsigargin; Trifluoperazine; W-7 (Endoh, M. (500) 73)

Lung

Airways; Asthma; Inflammation; Neurotrophin; NGF (nerve growth factor) (Frossard, N. (500) 453)

MAP kinase

Opioid; Epidermal growth factor receptor; Human embryonic kidney 293 cell; Extracellular signal-regulated kinase; G protein-coupled receptor (Schulz, R. (500) 487)

Melanin-concentrating hormone

Feeding; Ghrelin; Orexin/hypocretin; Neuropeptide B; Neuropeptide W (Xu, Y.-L. (500) 243)

3,4-Methylenedioxymethamphetamine

Ecstasy; Hyperthermia; Neurotoxicity; Serotonin; Body temperature (Green, A.R. (500) 3)

Migraine

Antimigraine drug; BIBN4096BS; CGRP (Arulmani, U. (500) 315)

Modulation

N-Methyl-D-aspartate receptor; Amino terminal domain; Polyamine; Ifenprodil; Zinc (Herin, G.A. (500) 101)

Monoamine

Depression; Antidepressant; Neurogenesis; SSRI; Tricyclic; Dopamine (Millan, M.J. (500) 371)

mRNA stability

iNOS (inducible nitric oxide synthase); Expression; Signal transduction; Pathway; Promoter; Transcription factor; RNA binding; Protein (Kleinert, H. (500) 255)

Muscarinic receptor

Failing human heart; Aging human heart; α -Adrenoceptor; β -Adrenoceptor; Sympathetic activity (Brodde, O.-E. (500) 167)

Myometrium

Tachykinin receptors; Neprilysin; Neurokinin A; Neurokinin B; Substance P (Pennefather, J.N. (500) 15)

Na⁺–Ca²⁺ exchanger

Bay K 8644; Ca²⁺ transient; Intracellular Ca²⁺ concentration; Cyclopiazonic acid; Force–frequency relationship (FFR); Forskolin; Gingerol; Intracellular Na⁺ concentration; L-type Ca²⁺ channel; Ryanodine channel; SERCA2a; Thapsigargin; Trifluoperazine; W-7 (Endoh, M. (500) 73)

Natural product

Huperzine A; *s*-(–)-3-*n*-butylphthalide; (–)-Clausenamide; *Ginkgo biloba* extract (Zhu, X.Z. (500) 221)

Neprilysin

Myometrium; Tachykinin receptors; Neurokinin A; Neurokinin B; Substance P (Pennefather, J.N. (500) 15)

Neurogenesis

Depression; Antidepressant; Monoamine; SSRI; Tricyclic; Dopamine (Millan, M.J. (500) 371)

Neurokinin A

Myometrium; Tachykinin receptors; Neprilysin; Neurokinin B; Substance P (Pennefather, J.N. (500) 15)

Neurokinin B

Myometrium; Tachykinin receptors; Neprilysin; Neurokinin A; Substance P (Pennefather, J.N. (500) 15)

Neuron

GABA; Epilepsy; Transporter; Betaine transporter; Astrocyte; *ex*-THPO; Astroglia; Anticonvulsant; Seizure (Schousboe, A. (500) 281)

Neuropeptide B

Feeding; Ghrelin; Orexin/hypocretin; Melanin-concentrating hormone; Neuropeptide W (Xu, Y.-L. (500) 243)

Neuropeptide W

Feeding; Ghrelin; Orexin/hypocretin; Melanin-concentrating hormone; Neuropeptide B (Xu, Y.-L. (500) 243)

Neuropeptide Y modulation

Sympathetic neurotransmission; Co-transmission; ATP and purinergic mechanism; Noradrenaline and vasoconstriction; Human vascular neuro-effector junction (Pablo Huidobro-Toro, J. (500) 27)

Neuropharmacology

Proteomics; Neuroscience; Human Proteome Organization; Alzheimer's disease; Schizophrenia (Vercauteren, F.G.G. (500) 385)

Neuroscience

Proteomics; Neuropharmacology; Human Proteome Organization; Alzheimer's disease; Schizophrenia (Vercauteren, F.G.G. (500) 385)

Neurosteroid

Ethanol; GABA_A receptor; Gene expression; Pregnancy; Cell culture (Follesa, P. (500) 413)

Neurotoxicity

3,4-Methylenedioxymethamphetamine; Ecstasy; Hyperthermia; Serotonin; Body temperature (Green, A.R. (500) 3)

Neurotrophin

Airways; Asthma; Inflammation; NGF (nerve growth factor); Lung (Frossard, N. (500) 453)

Neutrophil

NSAID; COX (Cyclo-oxygenase); COX-2 inhibitor; Coxib; Enteropathy; Intestinal permeability; Enteral bacteria; Nitric oxide; iNOS; Peroxynitrite (Whittle, B.J.R. (500) 427)

NGF (nerve growth factor)

Airways; Asthma; Inflammation; Neurotrophin; Lung (Frossard, N. (500) 453)

Nicotine

Nonsynaptic; Transmitter release; Two-photon imaging; Ca^{2+} (Sylvester Vizi, E. (500) 499)

Nitric oxide

NSAID; COX (Cyclo-oxygenase); COX-2 inhibitor; Coxib; Enteropathy; Intestinal permeability; Enteral bacteria; Neutrophil; iNOS; Peroxynitrite (Whittle, B.J. (500) 427)

N-methyl-D-aspartate (NMDA) receptor

Opiate; Physical dependence; Signal cascade; Ontogeny (Noda, Y. (500) 121)

N-Methyl-D-aspartate receptor

Amino terminal domain; Modulation; Polyamine; Ifenprodil; Zinc (Herin, G.A. (500) 101)

Nonsteroidal antiinflammatory drugs

K^{+} channels; Antinociception; G-protein-coupled receptor; Opioid; Tricyclic antidepressant (Ocaña, M. (500) 203)

Nonsynaptic

Nicotine; Transmitter release; Two-photon imaging; Ca^{2+} (Sylvester Vizi, E. (500) 499)

Noradrenaline and vasoconstriction

Sympathetic neurotransmission; Co-transmission; ATP and purinergic mechanism; Neuropeptide Y modulation; Human vascular neuroeffector junction (Pablo Huidobro-Toro, J. (500) 27)

NSAID

COX (Cyclo-oxygenase); COX-2 inhibitor; Coxib; Enteropathy; Intestinal permeability; Enteral bacteria; Neutrophil; Nitric oxide; iNOS; Peroxynitrite (Whittle, B.J.R. (500) 427)

Nuclear factor- κ B

Asthma; Histone acetylation/deacetylation; Glucocorticoid resistance (Hayashi, R. (500) 51)

Obesity

Appetite; Benzodiazepine; Endocannabinoid; Opioid; Palatability (Cooper, S.J. (500) 37)

Ontogeny

Opiate; Physical dependence; N-methyl-D-aspartate (NMDA) receptor; Signal cascade (Noda, Y. (500) 121)

Opiate

Physical dependence; N-methyl-D-aspartate (NMDA) receptor; Signal cascade; Ontogeny (Noda, Y. (500) 121)

Opioid

Appetite; Benzodiazepine; Endocannabinoid; Obesity; Palatability (Cooper, S.J. (500) 37)

K^{+} channels; Antinociception; G-protein-coupled receptor; Nonsteroidal antiinflammatory drugs; Tricyclic antidepressant (Ocaña, M. (500) 203)

MAP kinase; Epidermal growth factor receptor; Human embryonic kidney 293 cell; Extracellular signal-regulated kinase; G protein-coupled receptor (Schulz, R. (500) 487)

Opioid addiction

Opioid peptide; Opioid receptor; Transcription factor; Gene expression (Przewlocki, R. (500) 331)

Opioid peptide

Opioid addiction; Opioid receptor; Transcription factor; Gene expression (Przewlocki, R. (500) 331)

Opioid receptor

Opioid addiction; Opioid peptide; Transcription factor; Gene expression (Przewlocki, R. (500) 331)

Orexin/hypocretin

Feeding; Ghrelin; Melanin-concentrating hormone; Neuropeptide B; Neuropeptide W (Xu, Y.-L. (500) 243)

Oxidative stress

Angiotensin 1-converting enzyme; Bradykinin; Diabetes mellitus; Kinin B₁ receptor; Kinin B₂ receptor (Couture, R. (500) 467)

Pain

Dopamine D2 receptor; Positron emission tomography; Striatum (Hagelberg, N. (500) 187)

Capsaicin; Primary sensory neuron; Brain; Viscera; Inflammation (Nagy, I. (500) 351)

Sickness behaviour; Cytokines; Inflammation; Brain; Afferent nerve; Sleep; Learning and memory (Dantzer, R. (500) 399)

Palatability

Appetite; Benzodiazepine; Endocannabinoid; Obesity; Opioid (Cooper, S.J. (500) 37)

Pathway

iNOS (inducible nitric oxide synthase); Expression; Signal transduction; Promoter; Transcription factor; mRNA stability; RNA binding; Protein (Kleinert, H. (500) 255)

Peroxynitrite

NSAID; COX (Cyclo-oxygenase); COX-2 inhibitor; Coxib; Enteropathy; Intestinal permeability; Enteral bacteria; Neutrophil; Nitric oxide; iNOS (Whittle, B.J.R. (500) 427)

Pharmacogenomics

Drug therapy; Gene (Nebert, D.W. (500) 267)

Phosphoinositide metabolism

PIP5K; PIP₂; Rho; ARF (Oude Weernink, P.A. (500) 87)

Physical dependence

Opiate; N-methyl-D-aspartate (NMDA) receptor; Signal cascade; Ontogeny (Noda, Y. (500) 121)

PIP₂

PIP5K; Phosphoinositide metabolism; Rho; ARF (Oude Weernink, P.A. (500) 87)

PIP5K

PIP₂; Phosphoinositide metabolism; Rho; ARF (Oude Weernink, P.A. (500) 87)

Polyamine

N-Methyl-D-aspartate receptor; Amino terminal domain; Modulation; Ifenprodil; Zinc (Herin, G.A. (500) 101)

Polyphenol

Wine; Tea; Chocolate; Vascular protection (Stoclet, J.-C. (500) 299)

Positron emission tomography

Dopamine D2 receptor; Pain; Striatum (Hagelberg, N. (500) 187)

Pregnancy

Neurosteroid; Ethanol; GABA_A receptor; Gene expression; Cell culture (Follesa, P. (500) 413)

Primary sensory neuron

Capsaicin; Brain; Viscera; Pain; Inflammation (Nagy, I. (500) 351)

Promoter

iNOS (inducible nitric oxide synthase); Expression; Signal transduction; Pathway; Transcription factor; mRNA stability; RNA binding; Protein (Kleinert, H. (500) 255)

Protein

iNOS (inducible nitric oxide synthase); Expression; Signal transduction; Pathway; Promoter; Transcription factor; mRNA stability; RNA binding (Kleinert, H. (500) 255)

Proteomics

Neuroscience; Neuropharmacology; Human Proteome Organization; Alzheimer's disease; Schizophrenia (Vercauteren, F.G.G. (500) 385)

Receptor phosphorylation

α_{1D}-Adrenoceptor; Vascular tone; Hypertension (García-Sáinz, J.A. (500) 113)

Rho

PIP5K; PIP₂; Phosphoinositide metabolism; ARF (Oude Weernink, P.A. (500) 87)

RNA binding

iNOS (inducible nitric oxide synthase); Expression; Signal transduction; Pathway; Promoter; Transcription factor; mRNA stability; Protein (Kleinert, H. (500) 255)

Ryanodine channel

Bay K 8644; Ca²⁺ transient; Intracellular Ca²⁺ concentration; Cyclopiazonic acid; Force–frequency relationship (FFR); Forskolin; Gingerol; Intracellular Na⁺ concentration; L-type Ca²⁺ channel; Na⁺–Ca²⁺ exchanger; SERCA2a; Thapsigargin; Trifluoperazine; W-7 (Endoh, M. (500) 73)

s-(–)-3-*n*-butylphthalide

Natural product; Huperzine A; (–)-Clausenamide; *Ginkgo biloba* extract (Zhu, X.Z. (500) 221)

Schizophrenia

Proteomics; Neuroscience; Neuropharmacology; Human Proteome Organization; Alzheimer's disease (Vercauteren, F.G.G. (500) 385)

Seizure

GABA; Epilepsy; Transporter; Betaine transporter; Astrocyte; *exo*-THPO; Neuron; Astroglia; Anticonvulsant (Schousboe, A. (500) 281)

Sensory neurotransmitter

Capsaicin; Visceral smooth muscle; Gastrointestinal tract; Bronchial smooth muscle; Genitourinary tract (Barthó, L. (500) 143)

SERCA2a

Bay K 8644; Ca²⁺ transient; Intracellular Ca²⁺ concentration; Cyclopiazonic acid; Force–frequency relationship (FFR); Forskolin; Gingerol; Intracellular Na⁺ concentration; L-type Ca²⁺ channel; Na⁺–Ca²⁺ exchanger; Ryanodine channel; Thapsigargin; Trifluoperazine; W-7 (Endoh, M. (500) 73)

Serotonin

3,4-Methylenedioxymethamphetamine; Ecstasy; Hyperthermia; Neurotoxicity; Body temperature (Green, A.R. (500) 3)

Sickness behaviour

Cytokines; Inflammation; Brain; Afferent nerve; Pain; Sleep; Learning and memory (Dantzer, R. (500) 399)

Signal cascade

Opiate; Physical dependence; *N*-methyl-D-aspartate (NMDA) receptor; Ontogeny (Noda, Y. (500) 121)

Signal transduction

iNOS (inducible nitric oxide synthase); Expression; Pathway; Promoter; Transcription factor; mRNA stability; RNA binding; Protein (Kleinert, H. (500) 255)

Sleep

Sickness behaviour; Cytokines; Inflammation; Brain; Afferent nerve; Pain; Learning and memory (Dantzer, R. (500) 399)

SSRI

Depression; Antidepressant; Monoamine; Neurogenesis; Tricyclic; Dopamine (Millan, M.J. (500) 371)

Striatum

Dopamine D2 receptor; Positron emission tomography; Pain (Hagelberg, N. (500) 187)

Substance P

Myometrium; Tachykinin receptors; Neprilysin; Neurokinin A; Neurokinin B (Pennefather, J.N. (500) 15)

Sympathetic activity

Failing human heart; Aging human heart; α-Adrenoceptor; β-Adrenoceptor; Muscarinic receptor (Brodde, O.-E. (500) 167)

Sympathetic neurotransmission

Co-transmission; ATP and purinergic mechanism; Noradrenaline and vasoconstriction; Neuropeptide Y modulation; Human vascular neuroeffector junction (Pablo Huidobro-Toro, J. (500) 27)

Tachykinin receptors

Myometrium; Neprilysin; Neurokinin A; Neurokinin B; Substance P (Pennefather, J.N. (500) 15)

Tea

Polyphenol; Wine; Chocolate; Vascular protection (Stoclet, J.-C. (500) 299)

Tea polyphenol

Green tea; Catechin; (–)-Epigallocatechin gallate; Gastrointestinal tract (Koo, M.W.L. (500) 177)

Thapsigargin

Bay K 8644; Ca^{2+} transient; Intracellular Ca^{2+} concentration; Cyclopiazonic acid; Force–frequency relationship (FFR); Forskolin; Gingerol; Intracellular Na^+ concentration; L-type Ca^{2+} channel; Na^+ – Ca^{2+} exchanger; Ryanodine channel; SERCA2a; Trifluoperazine; W-7 (Endoh, M. (500) 73)

Torsades de Pointes

Long QT syndrome; Iatrogenic disease; HERG protein; Drug discovery; High-throughput screening (Finlayson, K. (500) 129)

Transcription factor

iNOS (inducible nitric oxide synthase); Expression; Signal transduction; Pathway; Promoter; mRNA stability; RNA binding; Protein (Kleinert, H. (500) 255)

Opioid addiction; Opioid peptide; Opioid receptor; Gene expression (Przewlocki, R. (500) 331)

Transmitter release

Nicotine; Nonsynaptic; Two-photon imaging; Ca^{2+} (Sylvester Vizi, E. (500) 499)

Transporter

GABA; Epilepsy; Betaine transporter; Astrocyte; *exo*-THPO; Neuron; Astroglia; Anticonvulsant; Seizure (Schousboe, A. (500) 281)

Tricyclic

Depression; Antidepressant; Monoamine; Neurogenesis; SSRI; Dopamine (Millan, M.J. (500) 371)

Tricyclic antidepressant

K^+ channels; Antinociception; G-protein-coupled receptor; Opioid; Non-steroidal antiinflammatory drugs (Ocaña, M. (500) 203)

Trifluoperazine

Bay K 8644; Ca^{2+} transient; Intracellular Ca^{2+} concentration; Cyclopiazonic acid; Force–frequency relationship (FFR); Forskolin; Gingerol; Intracellular Na^+ concentration; L-type Ca^{2+} channel; Na^+ – Ca^{2+} exchanger; Ryanodine channel; SERCA2a; Thapsigargin; W-7 (Endoh, M. (500) 73)

TRPV1

Vanilloid; Hyperalgesia (Holzer, P. (500) 231)

Two-photon imaging

Nicotine; Nonsynaptic; Transmitter release; Ca^{2+} (Sylvester Vizi, E. (500) 499)

Vanilloid

TRPV1; Hyperalgesia (Holzer, P. (500) 231)

Vascular protection

Polyphenol; Wine; Tea; Chocolate (Stoclet, J.-C. (500) 299)

Vascular tone

α_{1D} -Adrenoceptor; Receptor phosphorylation; Hypertension (García-Sáinz, J.A. (500) 113)

Viscera

Capsaicin; Primary sensory neuron; Brain; Pain; Inflammation (Nagy, I. (500) 351)

Visceral smooth muscle

Capsaicin; Sensory neurotransmitter; Gastrointestinal tract; Bronchial smooth muscle; Genitourinary tract (Barthó, L. (500) 143)

W-7

Bay K 8644; Ca^{2+} transient; Intracellular Ca^{2+} concentration; Cyclopiazonic acid; Force–frequency relationship (FFR); Forskolin; Gingerol; Intracellular Na^+ concentration; L-type Ca^{2+} channel; Na^+ – Ca^{2+} exchanger; Ryanodine channel; SERCA2a; Thapsigargin; Trifluoperazine (Endoh, M. (500) 73)

Wine

Polyphenol; Tea; Chocolate; Vascular protection (Stoclet, J.-C. (500) 299)

Zinc

N-Methyl-D-aspartate receptor; Amino terminal domain; Modulation; Polyamine; Ifenprodil (Herin, G.A. (500) 101)