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Acetylcholine

Enteric neuron; Submucosal neuron; Nicotinic channel; 5-HT (5-hydroxytryptamine, serotonin); 5-HT₃ receptor; Ligand-gated channel; Autonomic neuron; Ion channel; Nicotinic receptor; Atropine; Electrophysiology (Barajas-López, C. (414) 113)

Adenosine

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Renal hemodynamic; Radiocontrast medium; Adenosine A₁ receptor antagonism; KW-3902 (Yao, K. (414) 99)

Adenosine A₁ receptor

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Adenosine A₁ receptor antagonism

Renal hemodynamic; Radiocontrast medium; Adenosine; KW-3902 (Yao, K. (414) 99)

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Angiotensin AT₁ receptor

Angiotensin IV; Angiotensin-(1–7); Mesangial cell, Ca²⁺ cytosolic (Chansel, D. (414) 165)

Angiotensin-converting enzyme inhibitor

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Angiotensin IV

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Angiotensin-converting enzyme inhibitor; Cardiotoxicity; Inotropic; Electrocardiography (Sacco, G. (414) 71)

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Neuropeptide Y; Neuropeptide Y Y₁ and Y₅ receptor; Neuropeptide Y Y₅ receptor; Food intake; Locomotor activity; Specificity; Side effect (Kask, A. (414) 215)

EMD 68843; 5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, selective; 5-HT_{1A} receptor agonist (Treit, D. (414) 245)

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Streptozotocin-induced diabetes; Endothelium; Smooth muscle; Nitric oxide (NO); Prostaglandin (Timar-Peregrin, A. (414) 63)

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Enteric neuron; Submucosal neuron; Nicotinic channel; Acetylcholine; 5-HT (5-hydroxytryptamine, serotonin); 5-HT₃ receptor; Ligand-gated channel; Autonomic neuron; Ion channel; Nicotinic receptor; Electrophysiology (Barajas-López, C. (414) 113)

Autonomic neuron

Enteric neuron; Submucosal neuron; Nicotinic channel; Acetylcholine; 5-HT (5-hydroxytryptamine, serotonin); 5-HT₃ receptor; Ligand-gated channel; Ion channel; Nicotinic receptor; Atropine; Electrophysiology (Barajas-López, C. (414) 113)

Autoradiography

Adrenomedullin; Amylin; Endothelium; Intracranial blood vessel; Receptor pharmacology; Vasodilatation; Vasomotor response (Jansen-Olesen, I. (414) 249)

Bathocuproine disulfonate

Disulfiram; Oxidative stress; Membrane potential; c-Jun-amino-terminal kinase (JNK); Caspase-3 (Chen, S.H. (414) 177)

Behavioural pharmacology

Pharmacokinetic–pharmacodynamic modelling; NONMEM (non-linear mixed effects modelling); Drug development; S 15535; Buspirone; S 32784 (Vis, P. (414) 233)

Benzalkonium chloride

Substance P; Tachykinin receptor antagonist; Anti-IgE; Mast cell; Histamine release (Lau, A.H.Y. (414) 295)

Bladder, adult

α_1 -Adrenoceptor; Muscarinic receptor; Bladder, neonate; Facilitation (Yamamoto, T. (414) 31)

Bladder, neonate

α_1 -Adrenoceptor; Muscarinic receptor; Bladder, adult; Facilitation (Yamamoto, T. (414) 31)

Bremazocine

κ_2 -Opioid receptor; Opioid-receptor knock-out mouse; Opioid pharmacology (Simonin, F. (414) 189)

Buprenorphine

Methadone; NGF (nerve growth factor); Perinatal; Striatum, rat (Wu, V.W. (414) 211)

Buspirone

Pharmacokinetic–pharmacodynamic modelling; NONMEM (non-linear mixed effects modelling); Behavioural pharmacology; Drug development; S 15535; S 32784 (Vis, P. (414) 233)

Ca²⁺

5-HT₂ receptor; FLIPR (fluorometric imaging plate reader); SH-SY5Y; Sodium butyrate; Anxiety; Depression (Jerman, J.C. (414) 23)

Ca²⁺ current

Flavonoid; Pituitary GH₄C₁ cell, rat; Voltage clamp, whole cell; VOCC, Voltage operating Ca²⁺ channel (Summanen, J. (414) 125)

Ca²⁺ signalling

Sphingosine-1-phosphate; Edg receptor; Sphingosine kinase (Meyer zu Heringdorf, D. (414) 145)

Cannabinoid receptor

[³⁵S]GTP γ S binding; G-protein-coupled receptor (Sim-Selley, L.J. (414) 135)

Cardiotoxicity

Anthracycline; Angiotensin-converting enzyme inhibitor; Inotropic; Electrocardiography (Sacco, G. (414) 71)

CA1 region

L-DOPA (L-3,4-dihydroxyphenylalanine); L-DOPA cyclohexyl ester; 3-Hydroxybenzylhydrazine; Noradrenaline; GABA (γ -aminobutyric acid); Population spike (Akbar, M. (414) 197)

Caspase-3

Disulfiram; Oxidative stress; Membrane potential; Bathocuproine disulfonate; c-Jun-amino-terminal kinase (JNK) (Chen, S.H. (414) 177)

Circadian clock

Suprachiasmatic nucleus; Circadian rhythm; Adenosine; Light (Elliott, K.J. (414) 45)

Circadian rhythm

Suprachiasmatic nucleus; Adenosine; Circadian clock; Light (Elliott, K.J. (414) 45)

[¹³C] NMR

Adenosine A₁ receptor; Glycogen; Ischemic preconditioning; [³¹P] NMR (nuclear magnetic resonance); Ischemia; (Rat) (De Jonge, R. (414) 55)

Cocaine

Conditioning; Contextual cue; Microdialysis, in vivo; GABA (γ -aminobutyric acid); Vigabatrin (Gerasimov, M.R. (414) 205)

Compound 48/80

Ebselen; Gastric mucosal lesion, acute rat; Neutrophil infiltration; Xanthine oxidase; Glutathione peroxidase; Lipid peroxidation (Kobayashi, T. (414) 271)

Conditioning

Cocaine; Contextual cue; Microdialysis, in vivo; GABA (γ -aminobutyric acid); Vigabatrin (Gerasimov, M.R. (414) 205)

Contextual cue

Cocaine; Conditioning; Microdialysis, in vivo; GABA (γ -aminobutyric acid); Vigabatrin (Gerasimov, M.R. (414) 205)

Cross-talk

Opioid peptides; EGF (epidermal growth factor); Uterus; Proliferation (Környei, J.L. (414) 155)

Depression

5-HT₂ receptor; FLIPR (fluorometric imaging plate reader); Ca²⁺; SH-SY5Y; Sodium butyrate; Anxiety (Jerman, J.C. (414) 23)

Diazepam-binding inhibitor fragment

Endozepine; Food intake; (Rat); (Mouse) (Garcia de Mateos-Verchere, J. (414) 225)

Disease

Endocrinology; Gene (Császár, A. (414) 9)

Disulfiram

Oxidative stress; Membrane potential; Bathocuproine disulfonate; c-Jun-amino-terminal kinase (JNK); Caspase-3 (Chen, S.H. (414) 177)

L-DOPA cyclohexyl ester

L-DOPA (L-3,4-dihydroxyphenylalanine); 3-Hydroxybenzylhydrazine; Noradrenaline; GABA (γ -aminobutyric acid); Population spike; CA1 region (Akbar, M. (414) 197)

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

L-DOPA cyclohexyl ester; 3-Hydroxybenzylhydrazine; Noradrenaline; GABA (γ -aminobutyric acid); Population spike; CA1 region (Akbar, M. (414) 197)

Dopamine uptake

Nucleus accumbens; GBR 12909; GBR 12935; Sulpiride; Raclopride; Microdialysis, in vivo (Rahman, S. (414) 37)

Drug development

Pharmacokinetic–pharmacodynamic modelling; NONMEM (non-linear mixed effects modelling); Behavioural pharmacology; S 15535; Buspirone; S 32784 (Vis, P. (414) 233)

Ebselen

Gastric mucosal lesion, acute rat; Compound 48/80; Neutrophil infiltration; Xanthine oxidase; Glutathione peroxidase; Lipid peroxidation (Kobayashi, T. (414) 271)

Edg receptor

Sphingosine-1-phosphate; Sphingosine kinase; Ca²⁺ signalling (Meyer zu Heringdorf, D. (414) 145)

EGF (epidermal growth factor)

Opioid peptides; Uterus; Proliferation; Cross-talk (Környei, J.L. (414) 155)

Electrocardiography

Anthracycline; Angiotensin-converting enzyme inhibitor; Cardiotoxicity; Inotropic (Sacco, G. (414) 71)

Electrophysiology

Enteric neuron; Submucosal neuron; Nicotinic channel; Acetylcholine; 5-HT (5-hydroxytryptamine, serotonin); 5-HT₃ receptor; Ligand-gated channel; Autonomic neuron; Ion channel; Nicotinic receptor; Atropine (Barajas-López, C. (414) 113)

EMD 68843

5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, selective; 5-HT_{1A} receptor agonist; Anxiety (Treit, D. (414) 245)

Endocrinology

Disease; Gene (Császár, A. (414) 9)

Endothelin

Septic shock treatment; Nitric oxide (NO); Survival rate (Iskit, A.B. (414) 281)

Endothelium

Streptozotocin-induced diabetes; Arteriole; Smooth muscle; Nitric oxide (NO); Prostaglandin (Timar-Peregrin, A. (414) 63)

Adrenomedullin; Amylin; Autoradiography; Intracranial blood vessel; Receptor pharmacology; Vasodilatation; Vasomotor response (Jansen-Olesen, I. (414) 249)

Endozepine

Diazepam-binding inhibitor fragment; Food intake; (Rat); (Mouse) (Garcia de Mateos-Verchere, J. (414) 225)

Enteric neuron

Submucosal neuron; Nicotinic channel; Acetylcholine; 5-HT (5-hydroxytryptamine, serotonin); 5-HT₃ receptor; Ligand-gated channel; Autonomic neuron; Ion channel; Nicotinic receptor; Atropine; Electrophysiology (Barajas-López, C. (414) 113)

Facilitation

α₁-Adrenoceptor; Muscarinic receptor; Bladder, neonate; Bladder, adult (Yamamoto, T. (414) 31)

Fibrosis

Inflammation; Mast cells; Proliferation; Stem cell factor; Glucocorticoids (Brito, J.M. (414) 105)

Flavonoid

Ca²⁺ current; Pituitary GH₄C₁ cell, rat; Voltage clamp, whole cell; VOCC, Voltage operating Ca²⁺ channel (Summanen, J. (414) 125)

FLIPR (fluorometric imaging plate reader)

5-HT₂ receptor; Ca²⁺; SH-SY5Y; Sodium butyrate; Anxiety; Depression (Jerman, J.C. (414) 23)

Food intake

Neuropeptide Y; Neuropeptide Y Y₁ and Y₅ receptor; Neuropeptide Y Y₅ receptor; Anxiety; Locomotor activity; Specificity; Side effect (Kask, A. (414) 215)

Diazepam-binding inhibitor fragment; Endozepine; (Rat); (Mouse) (Garcia de Mateos-Verchere, J. (414) 225)

GABA (γ-aminobutyric acid)

L-DOPA (L-3,4-dihydroxyphenylalanine); L-DOPA cyclohexyl ester; 3-Hydroxybenzylhydrazine; Noradrenaline; Population spike; CA1 region (Akbar, M. (414) 197)

Cocaine; Conditioning; Contextual cue; Microdialysis, in vivo; Vigabatrin (Gerasimov, M.R. (414) 205)

Gastric blood flow

Leptin; Ulcer healing; Western blot; RT-PCR (reverse transcriptase polymerase chain reaction); Nitric oxide (NO) (Konturek, P.C. (414) 87)

Gastric mucosal injury

Non-steroidal anti-inflammatory drug (NSAID); Meloxicam; Piroxicam; Oxygen radical (Villegas, I. (414) 79)

Gastric mucosal lesion, acute rat

Ebselen; Compound 48/80; Neutrophil infiltration; Xanthine oxidase; Glutathione peroxidase; Lipid peroxidation (Kobayashi, T. (414) 271)

GBR 12909

Nucleus accumbens; Dopamine uptake; GBR 12935; Sulpiride; Raclopride; Microdialysis, in vivo (Rahman, S. (414) 37)

GBR 12935

Nucleus accumbens; Dopamine uptake; GBR 12909; Sulpiride; Raclopride; Microdialysis, in vivo (Rahman, S. (414) 37)

Gene

Disease; Endocrinology (Császár, A. (414) 9)

Glucocorticoids

Inflammation; Fibrosis; Mast cells; Proliferation; Stem cell factor (Brito, J.M. (414) 105)

Glutathione peroxidase

Ebselen; Gastric mucosal lesion, acute rat; Compound 48/80; Neutrophil infiltration; Xanthine oxidase; Lipid peroxidation (Kobayashi, T. (414) 271)

Glycogen

Adenosine A₁ receptor; Ischemic preconditioning; [³¹P] NMR (nuclear magnetic resonance); [¹³C] NMR; Ischemia; (Rat) (De Jonge, R. (414) 55)

G-protein-coupled receptor

Cannabinoid receptor; [³⁵S]GTPγS binding (Sim-Selley, L.J. (414) 135)

Haemodynamics

SL 65.0472; 5-HT_{1B} receptors; 5-HT_{2A} receptors (O'Connor, S.E. (414) 259)

Histamine release

Substance P; Tachykinin receptor antagonist; Anti-IgE; Mast cell; Benzaikonium chloride (Lau, A.H.Y. (414) 295)

5-HT (5-hydroxytryptamine, serotonin)

Enteric neuron; Submucosal neuron; Nicotinic channel; Acetylcholine; 5-HT₃ receptor; Ligand-gated channel; Autonomic neuron; Ion channel; Nicotinic receptor; Atropine; Electrophysiology (Barajas-López, C. (414) 113)

5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor, selective

EMD 68843; 5-HT_{1A} receptor agonist; Anxiety (Treit, D. (414) 245)

5-HT₂ receptor

FLIPR (fluorometric imaging plate reader); Ca²⁺; SH-SY5Y; Sodium butyrate; Anxiety; Depression (Jerman, J.C. (414) 23)

5-HT₃ receptor

Enteric neuron; Submucosal neuron; Nicotinic channel; Acetylcholine; 5-HT (5-hydroxytryptamine, serotonin); Ligand-gated channel; Autonomic neuron; Ion channel; Nicotinic receptor; Atropine; Electrophysiology (Barajas-López, C. (414) 113)

5-HT_{1A} receptor agonist

EMD 68843; 5-HT (5-hydroxytryptamine, serotonin) reuptake inhibitor; selective; Anxiety (Treit, D. (414) 245)

5-HT_{1B} receptors

SL 65.0472; Haemodynamics; 5-HT_{2A} receptors (O'Connor, S.E. (414) 259)

5-HT_{2A} receptors

SL 65.0472; Haemodynamics; 5-HT_{1B} receptors (O'Connor, S.E. (414) 259)

3-Hydroxybenzylhydrazine

L-DOPA (L-3,4-dihydroxyphenylalanine); L-DOPA cyclohexyl ester; Noradrenaline; GABA (γ -aminobutyric acid); Population spike; CA1 region (Akbar, M. (414) 197)

Inflammation

Fibrosis; Mast cells; Proliferation; Stem cell factor; Glucocorticoids (Brito, J.M. (414) 105)

Innate immunity

Integrin; Macrophage inflammatory protein; Adhesion; U-50,488H (Kulkarni-Narla, A. (414) 289)

Inotropic

Anthracycline; Angiotensin-converting enzyme inhibitor; Cardiotoxicity; Electrocardiography (Sacco, G. (414) 71)

Integrin

Innate immunity; Macrophage inflammatory protein; Adhesion; U-50,488H (Kulkarni-Narla, A. (414) 289)

Intracranial blood vessel

Adrenomedullin; Amylin; Autoradiography; Endothelium; Receptor pharmacology; Vasodilatation; Vasomotor response (Jansen-Olesen, I. (414) 249)

Ion channel

Enteric neuron; Submucosal neuron; Nicotinic channel; Acetylcholine; 5-HT (5-hydroxytryptamine, serotonin); 5-HT₃ receptor; Ligand-gated channel; Autonomic neuron; Nicotinic receptor; Atropine; Electrophysiology (Barajas-López, C. (414) 113)

Ischemia

Adenosine A₁ receptor; Glycogen; Ischemic preconditioning; [³¹P] NMR (nuclear magnetic resonance); [¹³C] NMR; (Rat) (De Jonge, R. (414) 55)

Ischemic preconditioning

Adenosine A₁ receptor; Glycogen; [³¹P] NMR (nuclear magnetic resonance); [¹³C] NMR; Ischemia; (Rat) (De Jonge, R. (414) 55)

c-Jun-amino-terminal kinase (JNK)

Disulfiram; Oxidative stress; Membrane potential; Bathocuproine disulfonate; Caspase-3 (Chen, S.H. (414) 177)

KW-3902

Renal hemodynamic; Radiocontrast medium; Adenosine; Adenosine A₁ receptor antagonism (Yao, K. (414) 99)

Leptin

Ulcer healing; Western blot; RT-PCR (reverse transcriptase polymerase chain reaction); Gastric blood flow; Nitric oxide (NO) (Konturek, P.C. (414) 87)

Ligand-gated channel

Enteric neuron; Submucosal neuron; Nicotinic channel; Acetylcholine; 5-HT (5-hydroxytryptamine, serotonin); 5-HT₃ receptor; Autonomic neuron; Ion channel; Nicotinic receptor; Atropine; Electrophysiology (Barajas-López, C. (414) 113)

Light

Suprachiasmatic nucleus; Circadian rhythm; Adenosine; Circadian clock (Elliott, K.J. (414) 45)

Lipid peroxidation

Ebselen; Gastric mucosal lesion, acute rat; Compound 48/80; Neutrophil infiltration; Xanthine oxidase; Glutathione peroxidase (Kobayashi, T. (414) 271)

Locomotor activity

Neuropeptide Y; Neuropeptide Y Y₁ and Y₅ receptor; Neuropeptide Y Y₅ receptor; Food intake; Anxiety; Specificity; Side effect (Kask, A. (414) 215)

Macrophage inflammatory protein

Innate immunity; Integrin; Adhesion; U-50,488H (Kulkarni-Narla, A. (414) 289)

Mast cell

Substance P; Tachykinin receptor antagonist; Anti-IgE; Histamine release; Benzalkonium chloride (Lau, A.H.Y. (414) 295)

Mast cells

Inflammation; Fibrosis; Proliferation; Stem cell factor; Glucocorticoids (Brito, J.M. (414) 105)

Meloxicam

Non-steroidal anti-inflammatory drug (NSAID); Piroxicam; Gastric mucosal injury; Oxygen radical (Villegas, I. (414) 79)

Membrane potential

Disulfiram; Oxidative stress; Bathocuproine disulfonate; c-Jun-amino-terminal kinase (JNK); Caspase-3 (Chen, S.H. (414) 177)

Mesangial cell, Ca²⁺ cytosolic

Angiotensin IV; Angiotensin-(1–7); Angiotensin AT₁ receptor (Chansel, D. (414) 165)

Methadone

Buprenorphine; NGF (nerve growth factor); Perinatal; Striatum, rat (Wu, V.W. (414) 211)

Microdialysis, in vivo

Nucleus accumbens; Dopamine uptake; GBR 12909; GBR 12935; Sulpiride; Raclopride (Rahman, S. (414) 37)

Cocaine; Conditioning; Contextual cue; GABA (γ -aminobutyric acid); Vigabatrin (Gerasimov, M.R. (414) 205)

Muscarinic receptor

α_1 -Adrenoceptor; Bladder, neonate; Bladder, adult; Facilitation (Yamamoto, T. (414) 31)

Neuropeptide Y

Neuropeptide Y Y₁ and Y₅ receptor; Neuropeptide Y Y₅ receptor; Food intake; Anxiety; Locomotor activity; Specificity; Side effect (Kask, A. (414) 215)

Neuropeptide Y Y₁ and Y₅ receptor

Neuropeptide Y; Neuropeptide Y Y₅ receptor; Food intake; Anxiety; Locomotor activity; Specificity; Side effect (Kask, A. (414) 215)

Neuropeptide Y Y₅ receptor

Neuropeptide Y; Neuropeptide Y Y₁ and Y₅ receptor; Food intake; Anxiety; Locomotor activity; Specificity; Side effect (Kask, A. (414) 215)

Neutrophil infiltration

Ebselen; Gastric mucosal lesion, acute rat; Compound 48/80; Xanthine oxidase; Glutathione peroxidase; Lipid peroxidation (Kobayashi, T. (414) 271)

NGF (nerve growth factor)

Buprenorphine; Methadone; Perinatal; Striatum, rat (Wu, V.W. (414) 211)

Nicotinic channel

Enteric neuron; Submucosal neuron; Acetylcholine; 5-HT (5-hydroxytryptamine, serotonin); 5-HT₃ receptor; Ligand-gated channel; Autonomic neuron; Ion channel; Nicotinic receptor; Atropine; Electrophysiology (Barajas-López, C. (414) 113)

Nicotinic receptor

Enteric neuron; Submucosal neuron; Nicotinic channel; Acetylcholine; 5-HT (5-hydroxytryptamine, serotonin); 5-HT₃ receptor; Ligand-gated channel; Autonomic neuron; Ion channel; Atropine; Electrophysiology (Barajas-López, C. (414) 113)

Nitric oxide (NO)

Streptozotocin-induced diabetes; Arteriole; Endothelium; Smooth muscle; Prostaglandin (Timar-Peregrin, A. (414) 63)

Leptin; Ulcer healing; Western blot; RT-PCR (reverse transcriptase polymerase chain reaction); Gastric blood flow (Konturek, P.C. (414) 87)

Septic shock treatment; Endothelin; Survival rate (Iskit, A.B. (414) 281)

NONMEM (non-linear mixed effects modelling)

Pharmacokinetic–pharmacodynamic modelling; Behavioural pharmacology; Drug development; S 15535; Buspirone; S 32784 (Vis, P. (414) 233)

Non-steroidal anti-inflammatory drug (NSAID)

Meloxicam; Piroxicam; Gastric mucosal injury; Oxygen radical (Villegas, I. (414) 79)

Noradrenaline

L-DOPA (L-3,4-dihydroxyphenylalanine); L-DOPA cyclohexyl ester; 3-Hydroxybenzylhydrazine; GABA (γ -aminobutyric acid); Population spike; CA1 region (Akbar, M. (414) 197)

Nucleus accumbens

Dopamine uptake; GBR 12909; GBR 12935; Sulpiride; Raclopride; Microdialysis, in vivo (Rahman, S. (414) 37)

Opioid peptides

EGF (epidermal growth factor); Uterus; Proliferation; Cross-talk (Környei, J.L. (414) 155)

Opioid pharmacology

Bremazocine; κ_2 -Opioid receptor; Opioid-receptor knock-out mouse (Simonin, F. (414) 189)

 κ_2 -Opioid receptor

Bremazocine; Opioid-receptor knock-out mouse; Opioid pharmacology (Simonin, F. (414) 189)

Opioid-receptor knock-out mouse

Bremazocine; κ_2 -Opioid receptor; Opioid pharmacology (Simonin, F. (414) 189)

Oxidative stress

Disulfiram; Membrane potential; Bathocuproine disulfonate; c-Jun-amino-terminal kinase (JNK); Caspase-3 (Chen, S.H. (414) 177)

Oxygen radical

Non-steroidal anti-inflammatory drug (NSAID); Meloxicam; Piroxicam; Gastric mucosal injury (Villegas, I. (414) 79)

Perinatal

Buprenorphine; Methadone; NGF (nerve growth factor); Striatum, rat (Wu, V.W. (414) 211)

Pharmacokinetic–pharmacodynamic modelling

NONMEM (non-linear mixed effects modelling); Behavioural pharmacology; Drug development; S 15535; Buspirone; S 32784 (Vis, P. (414) 233)

Piroxicam

Non-steroidal anti-inflammatory drug (NSAID); Meloxicam; Gastric mucosal injury; Oxygen radical (Villegas, I. (414) 79)

Pituitary GH₄C₁ cell, rat

Ca²⁺ current; Flavonoid; Voltage clamp, whole cell; VOCC, Voltage operating Ca²⁺ channel (Summanen, J. (414) 125)

[³¹P] NMR (nuclear magnetic resonance)

Adenosine A₁ receptor; Glycogen; Ischemic preconditioning; [¹³C] NMR; Ischemia; (Rat) (De Jonge, R. (414) 55)

Population spike

L-DOPA (L-3,4-dihydroxyphenylalanine); L-DOPA cyclohexyl ester; 3-Hydroxybenzylhydrazine; Noradrenaline; GABA (γ -aminobutyric acid); CA1 region (Akbar, M. (414) 197)

Proliferation

Inflammation; Fibrosis; Mast cells; Stem cell factor; Glucocorticoids (Brito, J.M. (414) 105)

Opioid peptides; EGF (epidermal growth factor); Uterus; Cross-talk (Környei, J.L. (414) 155)

Prostaglandin

Streptozotocin-induced diabetes; Arteriole; Endothelium; Smooth muscle; Nitric oxide (NO) (Timar-Peregrin, A. (414) 63)

Raclopride

Nucleus accumbens; Dopamine uptake; GBR 12909; GBR 12935; Sulpiride; Microdialysis, in vivo (Rahman, S. (414) 37)

Radiocontrast medium

Renal hemodynamic; Adenosine; Adenosine A₁ receptor antagonism; KW-3902 (Yao, K. (414) 99)

Receptor pharmacology

Adrenomedullin; Amylin; Autoradiography; Endothelium; Intracranial blood vessel; Vasodilatation; Vasomotor response (Jansen-Olesen, I. (414) 249)

Renal hemodynamic

Radiocontrast medium; Adenosine; Adenosine A₁ receptor antagonism; KW-3902 (Yao, K. (414) 99)

RT-PCR (reverse transcriptase polymerase chain reaction)

Leptin; Ulcer healing; Western blot; Gastric blood flow; Nitric oxide (NO) (Konturek, P.C. (414) 87)

S 15535

Pharmacokinetic–pharmacodynamic modelling; NONMEM (non-linear mixed effects modelling); Behavioural pharmacology; Drug development; Buspirone; S 32784 (Vis, P. (414) 233)

S 32784

Pharmacokinetic–pharmacodynamic modelling; NONMEM (non-linear mixed effects modelling); Behavioural pharmacology; Drug development; S 15535; Buspirone (Vis, P. (414) 233)

Septic shock treatment

Endothelin; Nitric oxide (NO); Survival rate (Iskit, A.B. (414) 281)

[³⁵S]GTPγS binding

Cannabinoid receptor; G-protein-coupled receptor (Sim-Selley, L.J. (414) 135)

SH-SY5Y

5-HT₂ receptor; FLIPR (fluorometric imaging plate reader); Ca²⁺; Sodium butyrate; Anxiety; Depression (Jerman, J.C. (414) 23)

Side effect

Neuropeptide Y; Neuropeptide Y Y₁ and Y₅ receptor; Neuropeptide Y Y₅ receptor; Food intake; Anxiety; Locomotor activity; Specificity (Kask, A. (414) 215)

SL 65.0472

Haemodynamics; 5-HT_{1B} receptors; 5-HT_{2A} receptors (O'Connor, S.E. (414) 259)

Smooth muscle

Streptozotocin-induced diabetes; Arteriole; Endothelium; Nitric oxide (NO); Prostaglandin (Timar-Peregrin, A. (414) 63)

Sodium butyrate

5-HT₂ receptor; FLIPR (fluorometric imaging plate reader); Ca²⁺; SH-SY5Y; Anxiety; Depression (Jerman, J.C. (414) 23)

Specificity

Neuropeptide Y; Neuropeptide Y Y₁ and Y₅ receptor; Neuropeptide Y Y₅ receptor; Food intake; Anxiety; Locomotor activity; Side effect (Kask, A. (414) 215)

Sphingosine kinase

Sphingosine-1-phosphate; Edg receptor; Ca²⁺ signalling (Meyer zu Heringdorf, D. (414) 145)

Sphingosine-1-phosphate

Edg receptor; Sphingosine kinase; Ca²⁺ signalling (Meyer zu Heringdorf, D. (414) 145)

Stem cell factor

Inflammation; Fibrosis; Mast cells; Proliferation; Glucocorticoids (Brito, J.M. (414) 105)

Streptozotocin-induced diabetes

Arteriole; Endothelium; Smooth muscle; Nitric oxide (NO); Prostaglandin (Timar-Peregrin, A. (414) 63)

Striatum, rat

Buprenorphine; Methadone; NGF (nerve growth factor); Perinatal (Wu, V.W. (414) 211)

Submucosal neuron

Enteric neuron; Nicotinic channel; Acetylcholine; 5-HT (5-hydroxy-tryptamine, serotonin); 5-HT₃ receptor; Ligand-gated channel; Autonomic neuron; Ion channel; Nicotinic receptor; Atropine; Electrophysiology (Barajas-López, C. (414) 113)

Substance P

Tachykinin receptor antagonist; Anti-IgE; Mast cell; Histamine release; Benzalkonium chloride (Lau, A.H.Y. (414) 295)

Sulpiride

Nucleus accumbens; Dopamine uptake; GBR 12909; GBR 12935; Raclopride; Microdialysis, in vivo (Rahman, S. (414) 37)

Suprachiasmatic nucleus

Circadian rhythm; Adenosine; Circadian clock; Light (Elliott, K.J. (414) 45)

Survival rate

Septic shock treatment; Endothelin; Nitric oxide (NO) (Iskit, A.B. (414) 281)

Tachykinin receptor antagonist

Substance P; Anti-IgE; Mast cell; Histamine release; Benzalkonium chloride (Lau, A.H.Y. (414) 295)

Ulcer healing

Leptin; Western blot; RT-PCR (reverse transcriptase polymerase chain reaction); Gastric blood flow; Nitric oxide (NO) (Konturek, P.C. (414) 87)

Uterus

Opioid peptides; EGF (epidermal growth factor); Proliferation; Cross-talk (Környei, J.L. (414) 155)

U-50,488H

Innate immunity; Integrin; Macrophage inflammatory protein; Adhesion (Kulkarni-Narla, A. (414) 289)

Vasodilatation

Adrenomedullin; Amylin; Autoradiography; Endothelium; Intracranial blood vessel; Receptor pharmacology; Vasomotor response (Jansen-Olesen, I. (414) 249)

Vasomotor response

Adrenomedullin; Amylin; Autoradiography; Endothelium; Intracranial blood vessel; Receptor pharmacology; Vasodilatation (Jansen-Olesen, I. (414) 249)

Vigabatrin

Cocaine; Conditioning; Contextual cue; Microdialysis, in vivo; GABA (γ-aminobutyric acid) (Gerasimov, M.R. (414) 205)

VOCC, Voltage operating Ca²⁺ channel

Ca²⁺ current; Flavonoid; Pituitary GH₄C₁ cell, rat; Voltage clamp, whole cell (Summanen, J. (414) 125)

Voltage clamp, whole cell

Ca²⁺ current; Flavonoid; Pituitary GH₄C₁ cell, rat; VOCC, Voltage operating Ca²⁺ channel (Summanen, J. (414) 125)

Western blot

Leptin; Ulcer healing; RT-PCR (reverse transcriptase polymerase chain reaction); Gastric blood flow; Nitric oxide (NO) (Konturek, P.C. (414) 87)

Xanthine oxidase

Ebselen; Gastric mucosal lesion, acute rat; Compound 48/80; Neutrophil infiltration; Glutathione peroxidase; Lipid peroxidation (Kobayashi, T. (414) 271)