

## Keyword index

### Acetylcholine

Cannabinoid; Glutamate; Learning; Short-term memory (Han, C.J. (403) 87)

### Acetylcholine

Vagus nerve; C-fiber; Cholinergic nerve; Neurokinin-A (Matsumoto, K. (403) 157)

### Adrenoceptor

$\beta_3$ -Adrenoceptor;  $\text{Cl}^-$  channel;  $\text{K}^+$  channel; Ionic secretion; Colon, rat (Schultheiss, G. (403) 251)

### $\beta_3$ -Adrenoceptor

$\beta$ -Adrenoceptor, atypical; Duodenum, guinea pig; Carteolol; Partial agonist; Bupranolol (Horinouchi, T. (403) 133)

Adrenoceptor;  $\text{Cl}^-$  channel;  $\text{K}^+$  channel; Ionic secretion; Colon, rat (Schultheiss, G. (403) 251)

### $\beta$ -Adrenoceptor, atypical

$\beta_3$ -Adrenoceptor; Duodenum, guinea pig; Carteolol; Partial agonist; Bupranolol (Horinouchi, T. (403) 133)

### $\beta$ -Adrenoceptor, subtype

Detrusor; Cardiovascular system; (Ferret) (Takeda, H. (403) 147)

### Adrenomedullin

Pneumocyte (type II); Phosphatidylcholine secretion; Surfactant; Protein kinase C (Okumura, M. (403) 189)

### Aggregation

Polymorphonuclear leukocyte; Rho kinase; p160ROCK; Superoxide production (Kawaguchi, A. (403) 203)

### Airway hyperresponsiveness

JTE-522; Cyclooxygenase-2; Prostaglandin  $\text{E}_2$ ; Thromboxane  $\text{A}_2$ ; U-46619; Ozone; (Guinea pig) (Nakano, H. (403) 267)

### $\gamma$ -Aminobutyric acid (GABA)

Diazepam; Progesterone;  $\text{K}^+$  channel; Coronary (Jacob, M.K. (403) 209)

### Aminoguanidine

Anti-Fas antibody; Hepatitis (Okamoto, T. (403) 277)

### 4-Aminopyridine

3-Nitropropionic acid; Mitochondrial toxin; Seizure; GABA ( $\gamma$ -aminobutyric acid); Electroconvulsion (Haberek, G. (403) 229)

### Analgesia

Melatonin; Central nervous system; Naloxone (Yu, C.-X. (403) 49)

### Angiotensin

Endothelium; Nitric oxide (NO); Diabetes mellitus (Pieper, G.M. (403) 129)

### Angiotensin II

Taurine; Cell size; Fetal gene expression; Growth factor gene expression; Protein kinase C (Azuma, M. (403) 181)

### Anionic secretion

P2Y receptor; Sweat gland; Hyperhidrosis;  $\text{Ca}^{2+}$ , intracellular; Ussing chamber (Bovell, D.L. (403) 45)

### Anti-Fas antibody

Aminoguanidine; Hepatitis (Okamoto, T. (403) 277)

### Antisense oligonucleotide

CGRP receptor, porcine, cloned; G protein-coupled receptor kinase; Homologous desensitization; CGRP (calcitonin gene-related peptide); Ro 32-0432 (Aiyar, N. (403) 1)

### Aorta

Guanylyl cyclase, soluble; Superoxide anion; Renin–angiotensin system; Hypertension (Jacke, K. (403) 27)

### Asthma

Leukotriene; Thromboxane; YM158 (Arakida, Y. (403) 169)

### ATP– $\text{MgCl}_2$

Mitochondrial energy metabolism; Mitochondrial enzyme; Lipid peroxidation; Hepatic ischemia/reperfusion (Jeong, C. (403) 243)

### Baclofen

GABA ( $\gamma$ -aminobutyric acid); Esophageal sphincter relaxation, transient, lower; Tolerance (Lehmann, A. (403) 163)

### Biological effect

Gastrin-releasing peptide; Bombesin, synthetic glycine-extended form; Gastrin-releasing peptide/bombesin receptor antagonist; (In vitro) (Oiry, C. (403) 17)

### Blood vessel

Nitric oxide (NO); S-Nitrosothiol; Organic nitrate; Tolerance (Miller, M.R. (403) 111)

### Bombesin, synthetic glycine-extended form

Gastrin-releasing peptide; Biological effect; Gastrin-releasing peptide/bombesin receptor antagonist; (In vitro) (Oiry, C. (403) 17)

### Brush border membrane

5-HT (5-hydroxytryptamine, serotonin) transport; 5-HT receptor; Jejunum, rabbit (Alcalde, A.I. (403) 9)

### Bupranolol

$\beta$ -Adrenoceptor, atypical;  $\beta_3$ -Adrenoceptor; Duodenum, guinea pig; Carteolol; Partial agonist (Horinouchi, T. (403) 133)

**cAMP**

5-HT (5-Hydroxytryptamine, serotonin); Endothelial cell, rat; Protein kinase C; [ $^3$ H]Phorbol 12,13-dibutyrate binding; Trypsin-treated protein kinase C activity; cGMP (Lee, H.-Z. (403) 195)

**Ca<sup>2+</sup> channel blocker**

Herbal drug; Sesquiterpene; Smooth muscle (Irie, K. (403) 235)

**Ca<sup>2+</sup>, intracellular**

P2Y receptor; Sweat gland; Anionic secretion; Hyperhidrosis; Ussing chamber (Bovell, D.L. (403) 45)

**Cannabinoid**

Acetylcholine; Glutamate; Learning; Short-term memory (Han, C.J. (403) 87)

**Cardiovascular system**

$\beta$ -Adrenoceptor, subtype; Detrusor; (Ferret) (Takeda, H. (403) 147)

**Ca<sup>2+</sup>-responsiveness**

Ca<sup>2+</sup>-sensitizer; Myocardial contractility; End-systolic elastance; Stunning (De Zeeuw, S. (403) 99)

**Carteolol**

$\beta$ -Adrenoceptor, atypical;  $\beta_3$ -Adrenoceptor; Duodenum, guinea pig; Partial agonist; Bupranolol (Horinouchi, T. (403) 133)

**Ca<sup>2+</sup>-sensitizer**

Ca<sup>2+</sup>-responsiveness; Myocardial contractility; End-systolic elastance; Stunning (De Zeeuw, S. (403) 99)

**Cell size**

Taurine; Angiotensin II; Fetal gene expression; Growth factor gene expression; Protein kinase C (Azuma, M. (403) 181)

**Central nervous system**

Melatonin; Analgesia; Naloxone (Yu, C.-X. (403) 49)

**C-fiber**

Vagus nerve; Cholinergic nerve; Acetylcholine; Neurokinin-A (Matsumoto, K. (403) 157)

**cGMP**

5-HT (5-Hydroxytryptamine, serotonin); Endothelial cell, rat; Protein kinase C; [ $^3$ H]Phorbol 12,13-dibutyrate binding; Trypsin-treated protein kinase C activity; cAMP (Lee, H.-Z. (403) 195)

**CGRP (calcitonin gene-related peptide)**

CGRP receptor, porcine, cloned; G protein-coupled receptor kinase; Homologous desensitization; Ro 32-0432; Antisense oligonucleotide (Aiyar, N. (403) 1)

**CGRP receptor, porcine, cloned**

G protein-coupled receptor kinase; Homologous desensitization; CGRP (calcitonin gene-related peptide); Ro 32-0432; Antisense oligonucleotide (Aiyar, N. (403) 1)

**Cholinergic nerve**

Vagus nerve; C-fiber; Acetylcholine; Neurokinin-A (Matsumoto, K. (403) 157)

**Cisplatin**

Sensory neuropathy; Superoxide production; Peroxynitrite (Szilvassy, J. (403) 259)

**Cl<sup>-</sup> channel**

Adrenoceptor;  $\beta_3$ -Adrenoceptor; K<sup>+</sup> channel; Ionic secretion; Colon, rat (Schultheiss, G. (403) 251)

**Colon, rat**

Adrenoceptor;  $\beta_3$ -Adrenoceptor; Cl<sup>-</sup> channel; K<sup>+</sup> channel; Ionic secretion (Schultheiss, G. (403) 251)

**Coronary**

Diazepam; Progesterone;  $\gamma$ -Aminobutyric acid (GABA); K<sup>+</sup> channel (Jacob, M.K. (403) 209)

**Cyclooxygenase-2**

JTE-522; Prostaglandin E<sub>2</sub>; Thromboxane A<sub>2</sub>; U-46619; Airway hyperresponsiveness; Ozone; (Guinea pig) (Nakano, H. (403) 267)

**Cytoskeleton**

Exocytosis; Insulin; Scinderin (Bruun, T.Z. (403) 221)

**Detrusor**

$\beta$ -Adrenoceptor, subtype; Cardiovascular system; (Ferret) (Takeda, H. (403) 147)

**Diabetes mellitus**

Endothelium; Nitric oxide (NO); Angiotensin (Pieper, G.M. (403) 129)

**Diazepam**

Progesterone;  $\gamma$ -Aminobutyric acid (GABA); K<sup>+</sup> channel; Coronary (Jacob, M.K. (403) 209)

**Dizocilpine**

Hyperalgesia; Ventral posterolateral nucleus; Excitatory amino acid; Morphine; Riluzole (Abarca, C. (403) 67)

**Dopamine uptake**

Glutamate; Parkinson's disease; NMDA receptor (Page, G. (403) 75)

**Duodenum, guinea pig**

$\beta$ -Adrenoceptor, atypical;  $\beta_3$ -Adrenoceptor; Carteolol; Partial agonist; Bupranolol (Horinouchi, T. (403) 133)

**Electroconvulsion**

3-Nitropropionic acid; Mitochondrial toxin; Seizure; GABA ( $\gamma$ -aminobutyric acid); 4-Aminopyridine (Haberek, G. (403) 229)

**Endothelial cell, rat**

5-HT (5-Hydroxytryptamine, serotonin); Protein kinase C; [ $^3$ H]Phorbol 12,13-dibutyrate binding; Trypsin-treated protein kinase C activity; cAMP; cGMP (Lee, H.-Z. (403) 195)

**Endothelin**

Prostate; Neuromuscular transmission; Endothelin ET<sub>A</sub> receptor; (Rat) (Salamoussa, A. (403) 139)

**Endothelin ET<sub>A</sub> receptor**

Endothelin; Prostate; Neuromuscular transmission; (Rat) (Salamoussa, A. (403) 139)

**Endothelium**

Nitric oxide (NO); Diabetes mellitus; Angiotensin (Pieper, G.M. (403) 129)

**End-systolic elastance**

Ca<sup>2+</sup>-responsiveness; Ca<sup>2+</sup>-sensitizer; Myocardial contractility; Stunning (De Zeeuw, S. (403) 99)

**Esophageal sphincter relaxation, transient, lower**

GABA ( $\gamma$ -aminobutyric acid); Baclofen; Tolerance (Lehmann, A. (403) 163)

**Ethanol intake**

5-HT<sub>1B</sub> receptor; Knockout mouse; Water intake; Food intake (Bouwknicht, J.A. (403) 95)

**Excitatory amino acid**

Hyperalgesia; Ventral posterolateral nucleus; Morphine; Riluzole; Dizocilpine (Abarca, C. (403) 67)

**Exocytosis**

Cytoskeleton; Insulin; Scinderin (Bruun, T.Z. (403) 221)

**Fetal gene expression**

Taurine; Angiotensin II; Cell size; Growth factor gene expression; Protein kinase C (Azuma, M. (403) 181)

**FK506 (Tacrolimus)**

Neutrophil chemotaxis; Interleukin-8; Mononuclear cell peripheral blood (Sasakawa, Y. (403) 281)

**Food intake**

5-HT<sub>1B</sub> receptor; Knockout mouse; Ethanol intake; Water intake (Bouwknicht, J.A. (403) 95)

**Frontal cortex**

5-HT (5-hydroxytryptamine, serotonin); Paroxetine; Tianeptine; Raphe nuclei; Microdialysis, in vivo (Malagie, I. (403) 55)

**GABA ( $\gamma$ -aminobutyric acid)**

Esophageal sphincter relaxation, transient, lower; Baclofen; Tolerance (Lehmann, A. (403) 163)

3-Nitropropionic acid; Mitochondrial toxin; Seizure; 4-Aminopyridine; Electroconvulsion (Haberek, G. (403) 229)

**Gastrin-releasing peptide**

Bombesin, synthetic glycine-extended form; Biological effect; Gastrin-releasing peptide/bombesin receptor antagonist; (In vitro) (Oiry, C. (403) 17)

**Gastrin-releasing peptide / bombesin receptor antagonist**

Gastrin-releasing peptide; Bombesin, synthetic glycine-extended form; Biological effect; (In vitro) (Oiry, C. (403) 17)

**Glutamate**

Dopamine uptake; Parkinson's disease; NMDA receptor (Page, G. (403) 75)

Acetylcholine; Cannabinoid; Learning; Short-term memory (Han, C.J. (403) 87)

**G protein-coupled receptor kinase**

CGRP receptor, porcine, cloned; Homologous desensitization; CGRP (calcitonin gene-related peptide); Ro 32-0432; Antisense oligonucleotide (Aiyar, N. (403) 1)

**Growth factor gene expression**

Taurine; Angiotensin II; Cell size; Fetal gene expression; Protein kinase C (Azuma, M. (403) 181)

**Guanylyl cyclase, soluble**

Superoxide anion; Aorta; Renin-angiotensin system; Hypertension (Jacke, K. (403) 27)

**Hepatic ischemia / reperfusion**

ATP-MgCl<sub>2</sub>; Mitochondrial energy metabolism; Mitochondrial enzyme; Lipid peroxidation (Jeong, C. (403) 243)

**Hepatitis**

Anti-Fas antibody; Aminoguanidine (Okamoto, T. (403) 277)

**Herbal drug**

Sesquiterpene; Ca<sup>2+</sup> channel blocker; Smooth muscle (Irie, K. (403) 235)

**Homologous desensitization**

CGRP receptor, porcine, cloned; G protein-coupled receptor kinase; CGRP (calcitonin gene-related peptide); Ro 32-0432; Antisense oligonucleotide (Aiyar, N. (403) 1)

**[<sup>3</sup>H]Phorbol 12,13-dibutyrate binding**

5-HT (5-Hydroxytryptamine, serotonin); Endothelial cell, rat; Protein kinase C; Trypsin-treated protein kinase C activity; cAMP; cGMP (Lee, H.-Z. (403) 195)

**5-HT (5-hydroxytryptamine, serotonin) transport**

5-HT receptor; Brush border membrane; Jejunum, rabbit (Alcalde, A.I. (403) 9)

**5-HT (5-hydroxytryptamine, serotonin)**

Paroxetine; Tianeptine; Frontal cortex; Raphe nuclei; Microdialysis, in vivo (Malagie, I. (403) 55)

**5-HT (5-Hydroxytryptamine, serotonin)**

Endothelial cell, rat; Protein kinase C; [<sup>3</sup>H]Phorbol 12,13-dibutyrate binding; Trypsin-treated protein kinase C activity; cAMP; cGMP (Lee, H.-Z. (403) 195)

**5-HT receptor**

5-HT (5-hydroxytryptamine, serotonin) transport; Brush border membrane; Jejunum, rabbit (Alcalde, A.I. (403) 9)

**5-HT<sub>1B</sub> receptor**

Knockout mouse; Ethanol intake; Water intake; Food intake (Bouwknicht, J.A. (403) 95)

**5-HT<sub>2A</sub> receptor**

p-Chloroamphetamine; Hyperthermia; 5-HT<sub>2B/2C</sub> receptor; (Mouse) (Sugimoto, Y. (403) 225)

**5-HT<sub>2B/2C</sub> receptor**

p-Chloroamphetamine; Hyperthermia; 5-HT<sub>2A</sub> receptor; (Mouse) (Sugimoto, Y. (403) 225)

**Hyperalgesia**

Ventral posterolateral nucleus; Excitatory amino acid; Morphine; Riluzole; Dizocilpine (Abarca, C. (403) 67)

Nerve ligation; Inflammation; Protein kinase C; Spinal cord; (Mouse) (Ohsawa, M. (403) 81)

**Hyperhidrosis**

P2Y receptor; Sweat gland; Anionic secretion; Ca<sup>2+</sup>, intracellular; Ussing chamber (Bovell, D.L. (403) 45)

**Hypertension**

Guanylyl cyclase, soluble; Superoxide anion; Aorta; Renin-angiotensin system (Jacke, K. (403) 27)

**Hyperthermia**

p-Chloroamphetamine; 5-HT<sub>2A</sub> receptor; 5-HT<sub>2B/2C</sub> receptor; (Mouse) (Sugimoto, Y. (403) 225)

**Inflammation**

Hyperalgesia; Nerve ligation; Protein kinase C; Spinal cord; (Mouse) (Ohsawa, M. (403) 81)

Ischemia–reperfusion; Neutrophil; Oedema; Mesenteric artery (Souza, D.G. (403) 121)

### **Insulin**

Cytoskeleton; Exocytosis; Scinderin (Bruun, T.Z. (403) 221)

### **Interleukin-8**

FK506 (Tacrolimus); Neutrophil chemotaxis; Mononuclear cell peripheral blood (Sasakawa, Y. (403) 281)

### **Ionic secretion**

Adrenoceptor;  $\beta_3$ -Adrenoceptor;  $\text{Cl}^-$  channel;  $\text{K}^+$  channel; Colon, rat (Schultheiss, G. (403) 251)

### **Ischemia–reperfusion**

Neutrophil; Oedema; Mesenteric artery; Inflammation (Souza, D.G. (403) 121)

### **Jejunum, rabbit**

5-HT (5-hydroxytryptamine, serotonin) transport; 5-HT receptor; Brush border membrane (Alcalde, A.I. (403) 9)

### **JTE-522**

Cyclooxygenase-2; Prostaglandin  $\text{E}_2$ ; Thromboxane  $\text{A}_2$ ; U-46619; Airway hyperresponsiveness; Ozone; (Guinea pig) (Nakano, H. (403) 267)

### **$\text{K}^+$ channel**

Diazepam; Progesterone;  $\gamma$ -Aminobutyric acid (GABA); Coronary (Jacob, M.K. (403) 209)

Adrenoceptor;  $\beta_3$ -Adrenoceptor;  $\text{Cl}^-$  channel; Ionic secretion; Colon, rat (Schultheiss, G. (403) 251)

### **Knockout mouse**

5-HT<sub>1B</sub> receptor; Ethanol intake; Water intake; Food intake (Bouwknicht, J.A. (403) 95)

### **Learning**

Acetylcholine; Cannabinoid; Glutamate; Short-term memory (Han, C.J. (403) 87)

### **Leukotriene**

Thromboxane; YM158; Asthma (Arakida, Y. (403) 169)

### **Ligand selectivity**

Opioid receptor; Mutagenesis; [ $^{35}\text{S}$ ]GTP $\gamma$ S (Bonner, G. (403) 37)

### **Lipid peroxidation**

ATP– $\text{MgCl}_2$ ; Mitochondrial energy metabolism; Mitochondrial enzyme; Hepatic ischemia/reperfusion (Jeong, C. (403) 243)

### **Melatonin**

Central nervous system; Analgesia; Naloxone (Yu, C.-X. (403) 49)

### **Mesenteric artery**

Ischemia–reperfusion; Neutrophil; Oedema; Inflammation (Souza, D.G. (403) 121)

### **Microdialysis, in vivo**

5-HT (5-hydroxytryptamine, serotonin); Paroxetine; Tianeptine; Frontal cortex; Raphe nuclei (Malagié, I. (403) 55)

### **Mitochondrial energy metabolism**

ATP– $\text{MgCl}_2$ ; Mitochondrial enzyme; Lipid peroxidation; Hepatic ischemia/reperfusion (Jeong, C. (403) 243)

### **Mitochondrial enzyme**

ATP– $\text{MgCl}_2$ ; Mitochondrial energy metabolism; Lipid peroxidation; Hepatic ischemia/reperfusion (Jeong, C. (403) 243)

### **Mitochondrial toxin**

3-Nitropropionic acid; Seizure; GABA ( $\gamma$ -aminobutyric acid); 4-Aminopyridine; Electroconvulsion (Haberek, G. (403) 229)

### **Mononuclear cell peripheral blood**

FK506 (Tacrolimus); Neutrophil chemotaxis; Interleukin-8 (Sasakawa, Y. (403) 281)

### **Morphine**

Hyperalgesia; Ventral posterolateral nucleus; Excitatory amino acid; Riluzole; Dizocilpine (Abarca, C. (403) 67)

### **Mutagenesis**

Opioid receptor; Ligand selectivity; [ $^{35}\text{S}$ ]GTP $\gamma$ S (Bonner, G. (403) 37)

### **Myocardial contractility**

$\text{Ca}^{2+}$ -responsiveness;  $\text{Ca}^{2+}$ -sensitizer; End-systolic elastance; Stunning (De Zeeuw, S. (403) 99)

### **Naloxone**

Melatonin; Central nervous system; Analgesia (Yu, C.-X. (403) 49)

### **Nerve ligation**

Hyperalgesia; Inflammation; Protein kinase C; Spinal cord; (Mouse) (Ohsawa, M. (403) 81)

### **Neurokinin-A**

Vagus nerve; C-fiber; Cholinergic nerve; Acetylcholine (Matsumoto, K. (403) 157)

### **Neuromuscular transmission**

Endothelin; Prostate; Endothelin  $\text{ET}_A$  receptor; (Rat) (Salamoussa, A. (403) 139)

### **Neutrophil**

Ischemia–reperfusion; Oedema; Mesenteric artery; Inflammation (Souza, D.G. (403) 121)

### **Neutrophil chemotaxis**

FK506 (Tacrolimus); Interleukin-8; Mononuclear cell peripheral blood (Sasakawa, Y. (403) 281)

### **Nitric oxide (NO)**

S-Nitrosothiol; Organic nitrate; Tolerance; Blood vessel (Miller, M.R. (403) 111)

Endothelium; Diabetes mellitus; Angiotensin (Pieper, G.M. (403) 129)

### **3-Nitropropionic acid**

Mitochondrial toxin; Seizure; GABA ( $\gamma$ -aminobutyric acid); 4-Aminopyridine; Electroconvulsion (Haberek, G. (403) 229)

### **S-Nitrosothiol**

Nitric oxide (NO); Organic nitrate; Tolerance; Blood vessel (Miller, M.R. (403) 111)

### **NMDA receptor**

Glutamate; Dopamine uptake; Parkinson's disease (Page, G. (403) 75)

### **Oedema**

Ischemia–reperfusion; Neutrophil; Mesenteric artery; Inflammation (Souza, D.G. (403) 121)

**Opioid receptor**

Ligand selectivity; Mutagenesis; [<sup>35</sup>S]GTPγS (Bonner, G. (403) 37)

**Organic nitrate**

Nitric oxide (NO); S-Nitrosothiol; Tolerance; Blood vessel (Miller, M.R. (403) 111)

**Ozone**

JTE-522; Cyclooxygenase-2; Prostaglandin E<sub>2</sub>; Thromboxane A<sub>2</sub>; U-46619; Airway hyperresponsiveness; (Guinea pig) (Nakano, H. (403) 267)

**Parkinson's disease**

Glutamate; Dopamine uptake; NMDA receptor (Page, G. (403) 75)

**Paroxetine**

5-HT (5-hydroxytryptamine, serotonin); Tianeptine; Frontal cortex; Raphe nuclei; Microdialysis, in vivo (Malagié, I. (403) 55)

**Partial agonist**

β-Adrenoceptor, atypical; β<sub>3</sub>-Adrenoceptor; Duodenum, guinea pig; Car-teolol; Bupranolol (Horinouchi, T. (403) 133)

**p-Chloroamphetamine**

Hyperthermia; 5-HT<sub>2A</sub> receptor; 5-HT<sub>2B/2C</sub> receptor; (Mouse) (Sugimoto, Y. (403) 225)

**Peroxinitrite**

Cisplatin; Sensory neuropathy; Superoxide production (Szilvássy, J. (403) 259)

**Phosphatidylcholine secretion**

Pneumocyte (type II); Adrenomedullin; Surfactant; Protein kinase C (Okumura, M. (403) 189)

**Pneumocyte (type II)**

Phosphatidylcholine secretion; Adrenomedullin; Surfactant; Protein kinase C (Okumura, M. (403) 189)

**Polymorphonuclear leukocyte**

Rho kinase; p160ROCK; Superoxide production; Aggregation (Kawaguchi, A. (403) 203)

**p160ROCK**

Polymorphonuclear leukocyte; Rho kinase; Superoxide production; Aggregation (Kawaguchi, A. (403) 203)

**Progesterone**

Diazepam; γ-Aminobutyric acid (GABA); K<sup>+</sup> channel; Coronary (Jacob, M.K. (403) 209)

**Prostaglandin E<sub>2</sub>**

JTE-522; Cyclooxygenase-2; Thromboxane A<sub>2</sub>; U-46619; Airway hyperresponsiveness; Ozone; (Guinea pig) (Nakano, H. (403) 267)

**Prostate**

Endothelin; Neuromuscular transmission; Endothelin ET<sub>A</sub> receptor; (Rat) (Salamoussa, A. (403) 139)

**Protein kinase C**

Hyperalgesia; Nerve ligation; Inflammation; Spinal cord; (Mouse) (Ohsawa, M. (403) 81)

Taurine; Angiotensin II; Cell size; Fetal gene expression; Growth factor gene expression (Azuma, M. (403) 181)

Pneumocyte (type II); Phosphatidylcholine secretion; Adrenomedullin; Surfactant (Okumura, M. (403) 189)

5-HT (5-Hydroxytryptamine, serotonin); Endothelial cell, rat; [<sup>3</sup>H]Phorbol 12,13-dibutyrate binding; Trypsin-treated protein kinase C activity; cAMP; cGMP (Lee, H.-Z. (403) 195)

**P2Y receptor**

Sweat gland; Anionic secretion; Hyperhidrosis; Ca<sup>2+</sup>, intracellular; Ussing chamber (Bovell, D.L. (403) 45)

**Raphe nuclei**

5-HT (5-hydroxytryptamine, serotonin); Paroxetine; Tianeptine; Frontal cortex; Microdialysis, in vivo (Malagié, I. (403) 55)

**Renin-angiotensin system**

Guanylyl cyclase, soluble; Superoxide anion; Aorta; Hypertension (Jacke, K. (403) 27)

**Rho kinase**

Polymorphonuclear leukocyte; p160ROCK; Superoxide production; Aggregation (Kawaguchi, A. (403) 203)

**Riluzole**

Hyperalgesia; Ventral posterolateral nucleus; Excitatory amino acid; Morphine; Dizocilpine (Abarca, C. (403) 67)

**Ro 32-0432**

CGRP receptor, porcine, cloned; G protein-coupled receptor kinase; Homologous desensitization; CGRP (calcitonin gene-related peptide); Antisense oligonucleotide (Aiyar, N. (403) 1)

**Scinderin**

Cytoskeleton; Exocytosis; Insulin (Bruun, T.Z. (403) 221)

**Seizure**

3-Nitropropionic acid; Mitochondrial toxin; GABA (γ-aminobutyric acid); 4-Aminopyridine; Electroconvulsion (Haberek, G. (403) 229)

**Sensory neuropathy**

Cisplatin; Superoxide production; Peroxinitrite (Szilvássy, J. (403) 259)

**Sesquiterpene**

Herbal drug; Ca<sup>2+</sup> channel blocker; Smooth muscle (Irie, K. (403) 235)

**[<sup>35</sup>S]GTPγS**

Opioid receptor; Ligand selectivity; Mutagenesis (Bonner, G. (403) 37)

**Short-term memory**

Acetylcholine; Cannabinoid; Glutamate; Learning (Han, C.J. (403) 87)

**Smooth muscle**

Herbal drug; Sesquiterpene; Ca<sup>2+</sup> channel blocker (Irie, K. (403) 235)

**Spinal cord**

Hyperalgesia; Nerve ligation; Inflammation; Protein kinase C; (Mouse) (Ohsawa, M. (403) 81)

**Stunning**

Ca<sup>2+</sup>-responsiveness; Ca<sup>2+</sup>-sensitizer; Myocardial contractility; End-systolic elastance (De Zeeuw, S. (403) 99)

**Superoxide anion**

Guanylyl cyclase, soluble; Aorta; Renin-angiotensin system; Hypertension (Jacke, K. (403) 27)

**Superoxide production**

Polymorphonuclear leukocyte; Rho kinase; p160ROCK; Aggregation (Kawaguchi, A. (403) 203)

Cisplatin; Sensory neuropathy; Peroxynitrite (Szilvassy, J. (403) 259)

**Surfactant**

Pneumocyte (type II); Phosphatidylcholine secretion; Adrenomedullin; Protein kinase C (Okumura, M. (403) 189)

**Sweat gland**

P2Y receptor; Anionic secretion; Hyperhidrosis;  $\text{Ca}^{2+}$ , intracellular; Ussing chamber (Bovell, D.L. (403) 45)

**Taurine**

Angiotensin II; Cell size; Fetal gene expression; Growth factor gene expression; Protein kinase C (Azuma, M. (403) 181)

**Thromboxane**

Leukotriene; YM158; Asthma (Arakida, Y. (403) 169)

**Thromboxane  $\text{A}_2$** 

JTE-522; Cyclooxygenase-2; Prostaglandin  $\text{E}_2$ ; U-46619; Airway hyperresponsiveness; Ozone; (Guinea pig) (Nakano, H. (403) 267)

**Tianeptine**

5-HT (5-hydroxytryptamine, serotonin); Paroxetine; Frontal cortex; Raphe nuclei; Microdialysis, in vivo (Malagié, I. (403) 55)

**Tolerance**

Nitric oxide (NO); S-Nitrosothiol; Organic nitrate; Blood vessel (Miller, M.R. (403) 111)

GABA ( $\gamma$ -aminobutyric acid); Esophageal sphincter relaxation, transient, lower; Baclofen (Lehmann, A. (403) 163)

**Trypsin-treated protein kinase C activity**

5-HT (5-Hydroxytryptamine, serotonin); Endothelial cell, rat; Protein kinase C; [ $^3\text{H}$ ]Phorbol 12,13-dibutyrate binding; cAMP; cGMP (Lee, H.-Z. (403) 195)

**U-46619**

JTE-522; Cyclooxygenase-2; Prostaglandin  $\text{E}_2$ ; Thromboxane  $\text{A}_2$ ; Airway hyperresponsiveness; Ozone; (Guinea pig) (Nakano, H. (403) 267)

**Ussing chamber**

P2Y receptor; Sweat gland; Anionic secretion; Hyperhidrosis;  $\text{Ca}^{2+}$ , intracellular (Bovell, D.L. (403) 45)

**Vagus nerve**

C-fiber; Cholinergic nerve; Acetylcholine; Neurokinin-A (Matsumoto, K. (403) 157)

**Ventral posterolateral nucleus**

Hyperalgesia; Excitatory amino acid; Morphine; Riluzole; Dizocilpine (Abarca, C. (403) 67)

**Water intake**

5-HT<sub>1B</sub> receptor; Knockout mouse; Ethanol intake; Food intake (Bouwknicht, J.A. (403) 95)

**YM158**

Leukotriene; Thromboxane; Asthma (Arakida, Y. (403) 169)