

Keyword index

ACTH (adrenocorticotrophic hormone)

MSH (melanocyte-stimulating hormone); Melanocortin receptor; Brain melanocortin system; Peptide–receptor interaction; Avoidance; Grooming; Food intake; Pain (Adan, R.A.H. (405) 13)

ACTH (adrenocorticotrophic)

Neonatal; Neuroprotection; Magnocellular basal nucleus; Cholinergic neuron; Glia (Horvath, K.M. (405) 33)

Corticosterone; CRH (corticotropin-releasing hormone); Coping; Social; Maternal behavior (Levine, S. (405) 149)

Addiction

Endogenous opioid; Reward; Brain stimulation reward; Self-administration; Sexual behaviour; Social behaviour (Van Ree, J.M. (405) 89)

Affective disorder

Behaviour; Autonomic response; Endocrine response; Anxiety; Post-traumatic stress disorder (PTSD); (Rat) (Stam, R. (405) 217)

Ageing

Stress; Glucocorticoid; Cytokine; Alzheimer's disease (Angelucci, L. (405) 139)

Alcohol withdrawal, human

Delirium tremens; Volume and fluid regulation; ANP (atrial natriuretic peptide) secretion; Withdrawal hyperexcitability, mouse; NMDA (*N*-methyl-*D*-aspartate) seizure; Glutamate (Kovács, G.L. (405) 103)

Alzheimer disease

Amyloid precursor protein (APP); Platelet; Diagnosis (Di Luca, M. (405) 277)

Alzheimer's disease

Stress; Glucocorticoid; Cytokine; Ageing (Angelucci, L. (405) 139)

Amygdala

Anxiety; Stress; Noradrenaline; Hypothalamus; Locus coeruleus; Benzodiazepines; Opioid agent; Anxiolytic drug (Tanaka, M. (405) 397)

Amygdaloid nucleus, central

Stressful stimuli; Neuropeptide; *c-fos*; Paraventricular nucleus; Supraoptic nucleus (Palkovits, M. (405) 161)

Amyloid precursor protein (APP)

Alzheimer disease; Platelet; Diagnosis (Di Luca, M. (405) 277)

Amyotrophic lateral sclerosis (ALS)

Motor neuron; Apoptosis; Cell culture; Tissue culture; Neurodegenerative disease (Bär, P.R. (405) 285)

Anabolic steroid

Pregnenolone sulfate; Ethylestrenol; Passive avoidance behavior; Memory; Non-linear dynamics; Chaos theory; Attractor (Isaacson, R.L. (405) 177)

Androgen

Th1/Th2; Immune function; Prenatal; Estrogen; Autoimmunity (Martin, J.T. (405) 251)

Animal model

Asthma; NANC (non-adrenergic–non-cholinergic) nerve, excitatory; Neuropeptide; (Human) (Kraneveld, A.D. (405) 113)

Anorexia

Melanocortin; Feeding; Central nervous system; Behavior; Body weight homeostasis; Obesity (Vergoni, A.V. (405) 25)

ANP (atrial natriuretic peptide) secretion

Alcohol withdrawal, human; Delirium tremens; Volume and fluid regulation; Withdrawal hyperexcitability, mouse; NMDA (*N*-methyl-*D*-aspartate) seizure; Glutamate (Kovács, G.L. (405) 103)

Antidepressant

Mechanism of action; Monoamine; Neuropeptide; Intracellular signaling; Transcription factor (Vetulani, J. (405) 351)

Antidepressant drug

Dopamine; Depression; Mania; Mesolimbic dopamine system (D'Aquila, P.S. (405) 365)

Antidepressants

Mineralocorticoid receptor; Glucocorticoid receptor; Hypothalamic–pituitary–adrenocortical axis; Stress; Major depression (Reul, J.M.H.M. (405) 235)

Antisense

CRF (corticotropin-releasing factor); Urocortin; CRF receptor; Stress; Behaviour; (Antagonist) (Smagin, G.N. (405) 199)

Anxiety

Behaviour; Autonomic response; Endocrine response; Affective disorder; Post-traumatic stress disorder (PTSD); (Rat) (Stam, R. (405) 217)

Stress; Noradrenaline; Hypothalamus; Amygdala; Locus coeruleus; Benzodiazepines; Opioid agent; Anxiolytic drug (Tanaka, M. (405) 397)

Anxiolytic drug

Anxiety; Stress; Noradrenaline; Hypothalamus; Amygdala; Locus coeruleus; Benzodiazepines; Opioid agent (Tanaka, M. (405) 397)

Apoptosis

Amyotrophic lateral sclerosis (ALS); Motor neuron; Cell culture; Tissue culture; Neurodegenerative disease (Bär, P.R. (405) 285)

Associative memory mechanism

Vasopressin; Norepinephrine; Neuromodulation; Hippocampus (Brinton, R.D. (405) 73)

Asthma

NANC (non-adrenergic–non-cholinergic) nerve, excitatory; Neuropeptide; Animal model; (Human) (Kraneveld, A.D. (405) 113)

Attractor

Anabolic steroid; Pregnenolone sulfate; Ethylestrenol; Passive avoidance behavior; Memory; Non-linear dynamics; Chaos theory (Isaacson, R.L. (405) 177)

Autoimmunity

Androgen; Th1/Th2; Immune function; Prenatal; Estrogen (Martin, J.T. (405) 251)

Autonomic nervous system

Corticotropin-releasing factor (CRF); Vasopressin; Learning; Memory (Croiset, G. (405) 225)

Autonomic response

Behaviour; Endocrine response; Anxiety; Affective disorder; Post-traumatic stress disorder (PTSD); (Rat) (Stam, R. (405) 217)

Avoidance

ACTH (adrenocorticotrophic hormone); MSH (melanocyte-stimulating hormone); Melanocortin receptor; Brain melanocortin system; Peptide-receptor interaction; Grooming; Food intake; Pain (Adan, R.A.H. (405) 13)

Behavior

Melanocortin; Feeding; Central nervous system; Body weight homeostasis; Anorexia; Obesity (Vergoni, A.V. (405) 25)

Behaviour

CRF (corticotropin-releasing factor); Urocortin; CRF receptor; Antisense; Stress; (Antagonist) (Smagin, G.N. (405) 199)

Autonomic response; Endocrine response; Anxiety; Affective disorder; Post-traumatic stress disorder (PTSD); (Rat) (Stam, R. (405) 217)

Benzodiazepines

Anxiety; Stress; Noradrenaline; Hypothalamus; Amygdala; Locus coeruleus; Opioid agent; Anxiolytic drug (Tanaka, M. (405) 397)

Bipolar disorder

Schizophrenia; Depression; Memory; Synaptic plasticity; Ventricle enlargement; Neurocognitive impairment (Vawter, M.P. (405) 385)

Body weight homeostasis

Melanocortin; Feeding; Central nervous system; Behavior; Anorexia; Obesity (Vergoni, A.V. (405) 25)

Brain melanocortin system

ACTH (adrenocorticotrophic hormone); MSH (melanocyte-stimulating hormone); Melanocortin receptor; Peptide-receptor interaction; Avoidance; Grooming; Food intake; Pain (Adan, R.A.H. (405) 13)

Brain stimulation reward

Endogenous opoid; Addiction; Reward; Self-administration; Sexual behaviour; Social behaviour (Van Ree, J.M. (405) 89)

Cell culture

Amyotrophic lateral sclerosis (ALS); Motor neuron; Apoptosis; Tissue culture; Neurodegenerative disease (Bär, P.R. (405) 285)

Central nervous system

Melanocortin; Feeding; Behavior; Body weight homeostasis; Anorexia; Obesity (Vergoni, A.V. (405) 25)

Stem cell; Differentiation; Hematopoietic (Mezey, É. (405) 297)

c-fos

Stressful stimuli; Neuropeptide; Paraventricular nucleus; Supraoptic nucleus; Amygdaloid nucleus, central (Palkovits, M. (405) 161)

Chaos theory

Anabolic steroid; Pregnenolone sulfate; Ethylestrenol; Passive avoidance behavior; Memory; Non-linear dynamics; Attractor (Isaacson, R.L. (405) 177)

Chimera

Dopamine transporter; Cocaine; Cocaine analog; Phosphorylation; Site-directed mutagenesis (Chen, N. (405) 329)

Cholinergic neuron

Neonatal; ACTH (adrenocorticotropin); Neuroprotection; Magnocellular basal nucleus; Glia (Horvath, K.M. (405) 33)

Cocaine

Dopamine transporter; Cocaine analog; Phosphorylation; Chimera; Site-directed mutagenesis (Chen, N. (405) 329)

Cocaine analog

Dopamine transporter; Cocaine; Phosphorylation; Chimera; Site-directed mutagenesis (Chen, N. (405) 329)

Cognition

Neuropeptide; Intranasal administration; Vasopressin; Insulin; Melanocortin (Fehm, H.L. (405) 43)

Schizophrenia; Stress; Coping; Hypothalamic-pituitary-adrenal system; Immune system (Gispén-de Wied, C.C. (405) 375)

Conditioned response

Immunity; Stress; Psychoneuroimmunology (Ader, R. (405) 167)

Coping

Corticosterone; ACTH (adrenocorticotropin); CRH (corticotropin-releasing hormone); Social; Maternal behavior (Levine, S. (405) 149)

Schizophrenia; Stress; Cognition; Hypothalamic-pituitary-adrenal system; Immune system (Gispén-de Wied, C.C. (405) 375)

Corticosteroid

Stress; Hypothalamus-pituitary-adrenal activity (De Kloet, E.R. (405) 187)

Corticosterone

ACTH (adrenocorticotropin); CRH (corticotropin-releasing hormone); Coping; Social; Maternal behavior (Levine, S. (405) 149)

Vasopressin; Firing pattern; Ion channel; Neurotransmitter (Joëls, M. (405) 207)

Corticotropin-releasing factor (CRF)

Vasopressin; Autonomic nervous system; Learning; Memory (Croiset, G. (405) 225)

Corticotropin-releasing hormone

Neuropeptide; Vasopressin; Dopamine; Homeobox gene; Transcription factors; Development (Burbach, J.P.H. (405) 55)

CRF (corticotropin-releasing factor)

Urocortin; CRF receptor; Antisense; Stress; Behaviour; (Antagonist) (Smagin, G.N. (405) 199)

CRF receptor

CRF (corticotropin-releasing factor); Urocortin; Antisense; Stress; Behaviour; (Antagonist) (Smagin, G.N. (405) 199)

CRH (corticotropin-releasing hormone)

Corticosterone; ACTH (adrenocorticotropin); Coping; Social; Maternal behavior (Levine, S. (405) 149)

Cytokine

Stress; Glucocorticoid; Ageing; Alzheimer's disease (Angelucci, L. (405) 139)

Delirium tremens

Alcohol withdrawal, human; Volume and fluid regulation; ANP (atrial natriuretic peptide) secretion; Withdrawal hyperexcitability, mouse; NMDA (*N*-methyl-D-aspartate) seizure; Glutamate (Kovács, G.L. (405) 103)

Depression

Antidepressant drug; Dopamine; Mania; Mesolimbic dopamine system (D'Aquila, P.S. (405) 365)

Schizophrenia; Bipolar disorder; Memory; Synaptic plasticity; Ventricle enlargement; Neurocognitive impairment (Vawter, M.P. (405) 385)

Development

Regeneration; Melanocortin (Strand, F.L. (405) 3)

Neuropeptide; Vasopressin; Corticotropin-releasing hormone; Dopamine; Homeobox gene; Transcription factors (Burbach, J.P.H. (405) 55)

Diagnosis

Alzheimer disease; Amyloid precursor protein (APP); Platelet (Di Luca, M. (405) 277)

Differentiation

Stem cell; Hematopoietic; Central nervous system (Mezey, É. (405) 297)

Dopamine

Neuropeptide; Vasopressin; Corticotropin-releasing hormone; Homeobox gene; Transcription factors; Development (Burbach, J.P.H. (405) 55)

Microdialysis, *In vivo*; Prefrontal cortex; Shuttle-box; Working memory; (Gerbil) (Stark, H. (405) 263)

Antidepressant drug; Depression; Mania; Mesolimbic dopamine system (D'Aquila, P.S. (405) 365)

Dopamine D₄ receptor

G protein-coupled receptor; Structure; Pharmacology; Signaling; Physiology; Genetics (Oak, J.N. (405) 303)

Dopamine transporter

Cocaine; Cocaine analog; Phosphorylation; Chimera; Site-directed mutagenesis (Chen, N. (405) 329)

Endocrine response

Behaviour; Autonomic response; Anxiety; Affective disorder; Post-traumatic stress disorder (PTSD); (Rat) (Stam, R. (405) 217)

Endogenous opioid

Addiction; Reward; Brain stimulation reward; Self-administration; Sexual behaviour; Social behaviour (Van Ree, J.M. (405) 89)

Estrogen

Androgen; Th1/Th2; Immune function; Prenatal; Autoimmunity (Martin, J.T. (405) 251)

Ethylestrenol

Anabolic steroid; Pregnenolone sulfate; Passive avoidance behavior; Memory; Non-linear dynamics; Chaos theory; Attractor (Isaacson, R.L. (405) 177)

Feeding

Melanocortin; Central nervous system; Behavior; Body weight homeostasis; Anorexia; Obesity (Vergoni, A.V. (405) 25)

Firing pattern

Corticosterone; Vasopressin; Ion channel; Neurotransmitter (Joëls, M. (405) 207)

Food intake

ACTH (adrenocorticotrophic hormone); MSH (melanocyte-stimulating hormone); Melanocortin receptor; Brain melanocortin system; Peptide-receptor interaction; Avoidance; Grooming; Pain (Adan, R.A.H. (405) 13)

Genetic

Psychoneuroendocrinology; Psychoneuroimmunoendocrinology; Molecular biology (Brambilla, F. (405) 341)

Genetics

Dopamine D₄ receptor; G protein-coupled receptor; Structure; Pharmacology; Signaling; Physiology (Oak, J.N. (405) 303)

Glia

Neonatal; ACTH (adrenocorticotropin); Neuroprotection; Magnocellular basal nucleus; Cholinergic neuron (Horvath, K.M. (405) 33)

Glucocorticoid

Stress; Cytokine; Ageing; Alzheimer's disease (Angelucci, L. (405) 139)

Glucocorticoid receptor

Mineralocorticoid receptor; Hypothalamic–pituitary–adrenocortical axis; Stress; Antidepressants; Major depression (Reul, J.M.H.M. (405) 235)

Glutamate

Alcohol withdrawal, human; Delirium tremens; Volume and fluid regulation; ANP (atrial natriuretic peptide) secretion; Withdrawal hyperexcitability, mouse; NMDA (*N*-methyl-D-aspartate) seizure (Kovács, G.L. (405) 103)

G protein-coupled receptor

Dopamine D₄ receptor; Structure; Pharmacology; Signaling; Physiology; Genetics (Oak, J.N. (405) 303)

Grooming

ACTH (adrenocorticotrophic hormone); MSH (melanocyte-stimulating hormone); Melanocortin receptor; Brain melanocortin system; Peptide-receptor interaction; Avoidance; Food intake; Pain (Adan, R.A.H. (405) 13)

Grooming, Novelty-induced

Low dose; Prolactin; Sexual behavior, Male; Sexual behavior, Female (Drago, F. (405) 131)

Hematopoietic

Stem cell; Differentiation; Central nervous system (Mezey, É. (405) 297)

Hippocampus

Vasopressin; Memory process (Alescio-Lautier, B. (405) 63)

Vasopressin; Norepinephrine; Neuromodulation; Associative memory mechanism (Brinton, R.D. (405) 73)

Homeobox gene

Neuropeptide; Vasopressin; Corticotropin-releasing hormone; Dopamine; Transcription factors; Development (Burbach, J.P.H. (405) 55)

Hypothalamic–pituitary–adrenal system

Schizophrenia; Stress; Cognition; Coping; Immune system (Gispén-de Wied, C.C. (405) 375)

Hypothalamic–pituitary–adrenocortical axis

Mineralocorticoid receptor; Glucocorticoid receptor; Stress; Antidepressants; Major depression (Reul, J.M.H.M. (405) 235)

Hypothalamus

Anxiety; Stress; Noradrenaline; Amygdala; Locus coeruleus; Benzodiazepines; Opioid agent; Anxiolytic drug (Tanaka, M. (405) 397)

Hypothalamus–pituitary–adrenal activity

Stress; Corticosteroid (De Kloet, E.R. (405) 187)

Immune function

Androgen; Th1/Th2; Prenatal; Estrogen; Autoimmunity (Martin, J.T. (405) 251)

Immune system

Schizophrenia; Stress; Cognition; Coping; Hypothalamic–pituitary–adrenal system (Gispén-de Wied, C.C. (405) 375)

Immunity

Conditioned response; Stress; Psychoneuroimmunology (Ader, R. (405) 167)

Insulin

Neuropeptide; Intranasal administration; Vasopressin; Melanocortin; Cognition (Fehm, H.L. (405) 43)

Intracellular signaling

Antidepressant; Mechanism of action; Monoamine; Neuropeptide; Transcription factor (Vetulani, J. (405) 351)

Intranasal administration

Neuropeptide; Vasopressin; Insulin; Melanocortin; Cognition (Fehm, H.L. (405) 43)

Ion channel

Corticosterone; Vasopressin; Firing pattern; Neurotransmitter (Joëls, M. (405) 207)

Learning

Corticotropin-releasing factor (CRF); Vasopressin; Autonomic nervous system; Memory (Croiset, G. (405) 225)

Locus coeruleus

Anxiety; Stress; Noradrenaline; Hypothalamus; Amygdala; Benzodiazepines; Opioid agent; Anxiolytic drug (Tanaka, M. (405) 397)

Low dose

Prolactin; Grooming, Novelty-induced; Sexual behavior, Male; Sexual behavior, Female (Drago, F. (405) 131)

Magnocellular basal nucleus

Neonatal; ACTH (adrenocorticotropin); Neuroprotection; Cholinergic neuron; Glia (Horvath, K.M. (405) 33)

Major depression

Mineralocorticoid receptor; Glucocorticoid receptor; Hypothalamic–pituitary–adrenocortical axis; Stress; Antidepressants (Reul, J.M.H.M. (405) 235)

Mania

Antidepressant drug; Dopamine; Depression; Mesolimbic dopamine system (D'Aquila, P.S. (405) 365)

Maternal behavior

Corticosterone; ACTH (adrenocorticotropin); CRH (corticotropin-releasing hormone); Coping; Social (Levine, S. (405) 149)

Mechanism of action

Antidepressant; Monoamine; Neuropeptide; Intracellular signaling; Transcription factor (Vetulani, J. (405) 351)

Melanocortin

Regeneration; Development (Strand, F.L. (405) 3)

Feeding; Central nervous system; Behavior; Body weight homeostasis; Anorexia; Obesity (Vergoni, A.V. (405) 25)

Neuropeptide; Intranasal administration; Vasopressin; Insulin; Cognition (Fehm, H.L. (405) 43)

Melanocortin receptor

ACTH (adrenocorticotropin hormone); MSH (melanocyte-stimulating hormone); Brain melanocortin system; Peptide–receptor interaction; Avoidance; Grooming; Food intake; Pain (Adan, R.A.H. (405) 13)

Memory

Anabolic steroid; Pregnenolone sulfate; Ethylestrenol; Passive avoidance behavior; Non-linear dynamics; Chaos theory; Attractor (Isaacson, R.L. (405) 177)

Corticotropin-releasing factor (CRF); Vasopressin; Autonomic nervous system; Learning (Croiset, G. (405) 225)

Schizophrenia; Bipolar disorder; Depression; Synaptic plasticity; Ventricle enlargement; Neurocognitive impairment (Vawter, M.P. (405) 385)

Memory process

Vasopressin; Hippocampus (Alescio-Lautier, B. (405) 63)

Mesolimbic dopamine system

Antidepressant drug; Dopamine; Depression; Mania (D'Aquila, P.S. (405) 365)

Microdialysis, In vivo

Dopamine; Prefrontal cortex; Shuttle-box; Working memory; (Gerbil) (Stark, H. (405) 263)

Mineralocorticoid receptor

Glucocorticoid receptor; Hypothalamic–pituitary–adrenocortical axis; Stress; Antidepressants; Major depression (Reul, J.M.H.M. (405) 235)

Molecular biology

Psychoneuroendocrinology; Psychoneuroimmunoenocrinology; Genetic (Brambilla, F. (405) 341)

Monoamine

Antidepressant; Mechanism of action; Neuropeptide; Intracellular signaling; Transcription factor (Vetulani, J. (405) 351)

Motor neuron

Amyotrophic lateral sclerosis (ALS); Apoptosis; Cell culture; Tissue culture; Neurodegenerative disease (Bär, P.R. (405) 285)

MSH (melanocyte-stimulating hormone)

ACTH (adrenocorticotropin hormone); Melanocortin receptor; Brain melanocortin system; Peptide–receptor interaction; Avoidance; Grooming; Food intake; Pain (Adan, R.A.H. (405) 13)

NANC (non-adrenergic–non-cholinergic) nerve, excitatory

Asthma; Neuropeptide; Animal model; (Human) (Kranefeld, A.D. (405) 113)

Neonatal

ACTH (adrenocorticotropin); Neuroprotection; Magnocellular basal nucleus; Cholinergic neuron; Glia (Horvath, K.M. (405) 33)

Neurocognitive impairment

Schizophrenia; Bipolar disorder; Depression; Memory; Synaptic plasticity; Ventricle enlargement (Vawter, M.P. (405) 385)

Neurodegenerative disease

Amyotrophic lateral sclerosis (ALS); Motor neuron; Apoptosis; Cell culture; Tissue culture (Bär, P.R. (405) 285)

Neuromodulation

Vasopressin; Norepinephrine; Associative memory mechanism; Hippocampus (Brinton, R.D. (405) 73)

Neuropeptide

Intranasal administration; Vasopressin; Insulin; Melanocortin; Cognition (Fehm, H.L. (405) 43)

Vasopressin; Corticotropin-releasing hormone; Dopamine; Homeobox gene; Transcription factors; Development (Burbach, J.P.H. (405) 55)

Asthma; NANC (non-adrenergic–non-cholinergic) nerve, excitatory; Animal model; (Human) (Kraneveld, A.D. (405) 113)

Stressful stimuli; *c-fos*; Paraventricular nucleus; Supraoptic nucleus; Amygdaloid nucleus, central (Palkovits, M. (405) 161)

Antidepressant; Mechanism of action; Monoamine; Intracellular signaling; Transcription factor (Vetulani, J. (405) 351)

Neuroprotection

Neonatal; ACTH (adrenocorticotropin); Magnocellular basal nucleus; Cholinergic neuron; Glia (Horvath, K.M. (405) 33)

Neurotransmitter

Corticosterone; Vasopressin; Firing pattern; Ion channel (Joëls, M. (405) 207)

NMDA (*N*-methyl-D-aspartate) seizure

Alcohol withdrawal, human; Delirium tremens; Volume and fluid regulation; ANP (atrial natriuretic peptide) secretion; Withdrawal hyperexcitability, mouse; Glutamate (Kovács, G.L. (405) 103)

Non-linear dynamics

Anabolic steroid; Pregnenolone sulfate; Ethylestrenol; Passive avoidance behavior; Memory; Chaos theory; Attractor (Isaacson, R.L. (405) 177)

Noradrenaline

Anxiety; Stress; Hypothalamus; Amygdala; Locus coeruleus; Benzodiazepines; Opioid agent; Anxiolytic drug (Tanaka, M. (405) 397)

Norepinephrine

Vasopressin; Neuromodulation; Associative memory mechanism; Hippocampus (Brinton, R.D. (405) 73)

Obesity

Melanocortin; Feeding; Central nervous system; Behavior; Body weight homeostasis; Anorexia (Vergoni, A.V. (405) 25)

Opioid agent

Anxiety; Stress; Noradrenaline; Hypothalamus; Amygdala; Locus coeruleus; Benzodiazepines; Anxiolytic drug (Tanaka, M. (405) 397)

Pain

ACTH (adrenocorticotropin hormone); MSH (melanocyte-stimulating hormone); Melanocortin receptor; Brain melanocortin system; Peptide–receptor interaction; Avoidance; Grooming; Food intake (Adan, R.A.H. (405) 13)

Paraventricular nucleus

Stressful stimuli; Neuropeptide; *c-fos*; Supraoptic nucleus; Amygdaloid nucleus, central (Palkovits, M. (405) 161)

Passive avoidance behavior

Anabolic steroid; Pregnenolone sulfate; Ethylestrenol; Memory; Non-linear dynamics; Chaos theory; Attractor (Isaacson, R.L. (405) 177)

Peptide–receptor interaction

ACTH (adrenocorticotropin hormone); MSH (melanocyte-stimulating hormone); Melanocortin receptor; Brain melanocortin system; Avoidance; Grooming; Food intake; Pain (Adan, R.A.H. (405) 13)

Pharmacology

Dopamine D₄ receptor; G protein-coupled receptor; Structure; Signaling; Physiology; Genetics (Oak, J.N. (405) 303)

Phosphorylation

Dopamine transporter; Cocaine; Cocaine analog; Chimera; Site-directed mutagenesis (Chen, N. (405) 329)

Physiology

Dopamine D₄ receptor; G protein-coupled receptor; Structure; Pharmacology; Signaling; Genetics (Oak, J.N. (405) 303)

Platelet

Alzheimer disease; Amyloid precursor protein (APP); Diagnosis (Di Luca, M. (405) 277)

Post-traumatic stress disorder (PTSD)

Behaviour; Autonomic response; Endocrine response; Anxiety; Affective disorder; (Rat) (Stam, R. (405) 217)

Prefrontal cortex

Dopamine; Microdialysis, *In vivo*; Shuttle-box; Working memory; (Gerbil) (Stark, H. (405) 263)

Pregnenolone sulfate

Anabolic steroid; Ethylestrenol; Passive avoidance behavior; Memory; Non-linear dynamics; Chaos theory; Attractor (Isaacson, R.L. (405) 177)

Prenatal

Androgen; Th1/Th2; Immune function; Estrogen; Autoimmunity (Martin, J.T. (405) 251)

Prolactin

Low dose; Grooming, Novelty-induced; Sexual behavior, Male; Sexual behavior, Female (Drago, F. (405) 131)

Psychoneuroendocrinology

Psychoneuroimmunoendocrinology; Genetic; Molecular biology (Brambilla, F. (405) 341)

Psychoneuroimmunoendocrinology

Psychoneuroendocrinology; Genetic; Molecular biology (Brambilla, F. (405) 341)

Psychoneuroimmunology

Conditioned response; Immunity; Stress (Ader, R. (405) 167)

Regeneration

Development; Melanocortin (Strand, F.L. (405) 3)

Reward

Endogenous opoid; Addiction; Brain stimulation reward; Self-administration; Sexual behaviour; Social behaviour (Van Ree, J.M. (405) 89)

Schizophrenia

Stress; Cognition; Coping; Hypothalamic–pituitary–adrenal system; Immune system (Gispén-de Wied, C.C. (405) 375)

Bipolar disorder; Depression; Memory; Synaptic plasticity; Ventricle enlargement; Neurocognitive impairment (Vawter, M.P. (405) 385)

Self-administration

Endogenous opoid; Addiction; Reward; Brain stimulation reward; Sexual behaviour; Social behaviour (Van Ree, J.M. (405) 89)

Sexual behavior, Female

Low dose; Prolactin; Grooming, Novelty-induced; Sexual behavior, Male (Drago, F. (405) 131)

Sexual behavior, Male

Low dose; Prolactin; Grooming, Novelty-induced; Sexual behavior, Female (Drago, F. (405) 131)

Sexual behaviour

Endogenous opoid; Addiction; Reward; Brain stimulation reward; Self-administration; Social behaviour (Van Ree, J.M. (405) 89)

Shuttle-box

Dopamine; Microdialysis, In vivo; Prefrontal cortex; Working memory; (Gerbil) (Stark, H. (405) 263)

Signaling

Dopamine D₄ receptor; G protein-coupled receptor; Structure; Pharmacology; Physiology; Genetics (Oak, J.N. (405) 303)

Site-directed mutagenesis

Dopamine transporter; Cocaine; Cocaine analog; Phosphorylation; Chimera (Chen, N. (405) 329)

Social

Corticosterone; ACTH (adrenocorticotropin); CRH (corticotropin-releasing hormone); Coping; Maternal behavior (Levine, S. (405) 149)

Social behaviour

Endogenous opoid; Addiction; Reward; Brain stimulation reward; Self-administration; Sexual behaviour (Van Ree, J.M. (405) 89)

Stem cell

Differentiation; Hematopoietic; Central nervous system (Mezey, É. (405) 297)

Stress

Glucocorticoid; Cytokine; Ageing; Alzheimer's disease (Angelucci, L. (405) 139)

Conditioned response; Immunity; Psychoneuroimmunology (Ader, R. (405) 167)

Corticosteroid; Hypothalamus–pituitary–adrenal activity (De Kloet, E.R. (405) 187)

CRF (corticotropin-releasing factor); Urocortin; CRF receptor; Antisense; Behaviour; (Antagonist) (Smagin, G.N. (405) 199)

Mineralocorticoid receptor; Glucocorticoid receptor; Hypothalamic–pituitary–adrenocortical axis; Antidepressants; Major depression (Reul, J.M.H.M. (405) 235)

Schizophrenia; Cognition; Coping; Hypothalamic–pituitary–adrenal system; Immune system (Gispén-de Wied, C.C. (405) 375)

Anxiety; Noradrenaline; Hypothalamus; Amygdala; Locus coeruleus; Benzodiazepines; Opioid agent; Anxiolytic drug (Tanaka, M. (405) 397)

Stressful stimuli

Neuropeptide; *c-fos*; Paraventricular nucleus; Supraoptic nucleus; Amygdaloid nucleus, central (Palkovits, M. (405) 161)

Structure

Dopamine D₄ receptor; G protein-coupled receptor; Pharmacology; Signaling; Physiology; Genetics (Oak, J.N. (405) 303)

Supraoptic nucleus

Stressful stimuli; Neuropeptide; *c-fos*; Paraventricular nucleus; Amygdaloid nucleus, central (Palkovits, M. (405) 161)

Synaptic plasticity

Schizophrenia; Bipolar disorder; Depression; Memory; Ventricle enlargement; Neurocognitive impairment (Vawter, M.P. (405) 385)

Th1/Th2

Androgen; Immune function; Prenatal; Estrogen; Autoimmunity (Martin, J.T. (405) 251)

Tissue culture

Amyotrophic lateral sclerosis (ALS); Motor neuron; Apoptosis; Cell culture; Neurodegenerative disease (Bär, P.R. (405) 285)

Transcription factor

Antidepressant; Mechanism of action; Monoamine; Neuropeptide; Intracellular signaling (Vetulani, J. (405) 351)

Transcription factors

Neuropeptide; Vasopressin; Corticotropin-releasing hormone; Dopamine; Homeobox gene; Development (Burbach, J.P.H. (405) 55)

Urocortin

CRF (corticotropin-releasing factor); CRF receptor; Antisense; Stress; Behaviour; (Antagonist) (Smagin, G.N. (405) 199)

Vasopressin

Neuropeptide; Intranasal administration; Insulin; Melanocortin; Cognition (Fehm, H.L. (405) 43)

Neuropeptide; Corticotropin-releasing hormone; Dopamine; Homeobox gene; Transcription factors; Development (Burbach, J.P.H. (405) 55)

Hippocampus; Memory process (Alescio-Lautier, B. (405) 63)

Norepinephrine; Neuromodulation; Associative memory mechanism; Hippocampus (Brinton, R.D. (405) 73)

Corticosterone; Firing pattern; Ion channel; Neurotransmitter (Joëls, M. (405) 207)

Corticotropin-releasing factor (CRF); Autonomic nervous system; Learning; Memory (Croiset, G. (405) 225)

Ventricle enlargement

Schizophrenia; Bipolar disorder; Depression; Memory; Synaptic plasticity; Neurocognitive impairment (Vawter, M.P. (405) 385)

Volume and fluid regulation

Alcohol withdrawal, human; Delirium tremens; ANP (atrial natriuretic peptide) secretion; Withdrawal hyperexcitability, mouse; NMDA (*N*-methyl-D-aspartate) seizure; Glutamate (Kovács, G.L. (405) 103)

Withdrawal hyperexcitability, mouse

Alcohol withdrawal, human; Delirium tremens; Volume and fluid regulation; ANP (atrial natriuretic peptide) secretion; NMDA (*N*-methyl-D-aspartate) seizure; Glutamate (Kovács, G.L. (405) 103)

Working memory

Dopamine; Microdialysis, In vivo; Prefrontal cortex; Shuttle-box; (Gerbil) (Stark, H. (405) 263)