

Keyword index

Abnormal

Aggression; Glucocorticoid (Haller, J. (526) 89)

Addiction

Dependence; Behavioral economics; Choice; Dopamine; Lateral hypothalamus; Cocaine; Heroin; Prefrontal cortex (Ahmed, S.H. (526) 9)

Relapse; Nucleus accumbens; Dopamine; Glutamate (Schmidt, H.D. (526) 65)

Serotonin transporter; Genetics; Alcohol dependence; Environment; Plasticity; Imaging (Lesch, K.-P. (526) 113)

Amygdala; Cocaine; Conditioning; Cue; Reinstatement; Relapse (See, R.E. (526) 140)

Alcohol; Relapse prevention; Treatment; Pharmacotherapy (Kiefer, F. (526) 163)

Dopamine; Human; Attention; Craving; Reward (Franken, I.H.A. (526) 199)

Affiliative behaviour

Aggression; Antidepressant; Negative affect; Impulse regulation; Personality trait; Dominance (Bond, A.J. (526) 218)

Aggression

Abnormal; Glucocorticoid (Haller, J. (526) 89)

Serotonin; Defense; Frustration; Alcohol; Dopamine; GABA; Neuroleptics; Benzodiazepines (de Almeida, R.M.M. (526) 51)

Resident–intruder; Serotonin; 5-HT_{1A}; 5-HT_{1B}; (Rat) (de Boer, S.F. (526) 125)

Quantitative trait locus; Steroid sulfatase; Pseudo-autosomal region; Y-chromosome (Roubertoux, P.L. (526) 172)

Serotonin; 5-HT_{1B} receptor; 5-HT transporter; 5-HT_{1A} receptor (Olivier, B. (526) 207)

Antidepressant; Negative affect; Impulse regulation; Personality trait; Dominance; Affiliative behaviour (Bond, A.J. (526) 218)

Sexual behaviour; Neural mechanism; c-Fos; Serotonin; Pharmacology; Male (Rat) (Veening, J.G. (526) 226)

Genetics; Serotonin transporter; Monoamine oxidase A; 5-hydroxyindoleacetic acid; Microdialysis; (Monkey); (Mice); (Rat) (Francesco Ferrari, P. (526) 259)

Agonistic

Corticosterone; Cortisol; Serotonin; Social; Stress (Summers, C.H. (526) 21)

Agonistic behaviour

Animal model of depression; Chronic antidepressant treatment; Social hierarchy; Resident–intruder; Suicide ideation (Mitchell, P.J. (526) 147)

Alcohol

Aggression; Serotonin; Defense; Frustration; Dopamine; GABA; Neuroleptics; Benzodiazepines (de Almeida, R.M.M. (526) 51)

Cocaine; Drug addiction; Nicotine; Opiates; Pharmacotherapy (Heidbreder, C. (526) 101)

Relapse prevention; Addiction; Treatment; Pharmacotherapy (Kiefer, F. (526) 163)

Aph-1b; APO-SUS; APO-UNSUS; Cocaine; γ -secretase; Self-administration; Tyrosine hydroxylase (Ellenbroek, B.A. (526) 251)

Alcohol dependence

Serotonin transporter; Genetics; Addiction; Environment; Plasticity; Imaging (Lesch, K.-P. (526) 113)

Allostasis

Drug addiction; Habit; Compulsion; Impulsivity; Tolerance; Sensitization; Prefrontal cortex; Orbitofrontal cortex; Dorsal striatum; Nucleus accumbens (Vanderschuren, L.J.M.J. (526) 77)

Amygdala

Addiction; Cocaine; Conditioning; Cue; Reinstatement; Relapse (See, R.E. (526) 140)

Second-order schedules of reinforcement; Cocaine; Nucleus accumbens; Dopamine; Glutamate (Di Ciano, P. (526) 186)

Animal model of depression

Chronic antidepressant treatment; Agonistic behaviour; Social hierarchy; Resident–intruder; Suicide ideation (Mitchell, P.J. (526) 147)

Antidepressant

Aggression; Negative affect; Impulse regulation; Personality trait; Dominance; Affiliative behaviour (Bond, A.J. (526) 218)

Aph-1b

Alcohol; APO-SUS; APO-UNSUS; Cocaine; γ -secretase; Self-administration; Tyrosine hydroxylase (Ellenbroek, B.A. (526) 251)

APO-SUS

Alcohol; *Aph-1b*; APO-UNSUS; Cocaine; γ -secretase; Self-administration; Tyrosine hydroxylase (Ellenbroek, B.A. (526) 251)

APO-UNUS

Alcohol; *Aph-1b*; APO-SUS; Cocaine; γ -secretase; Self-administration; Tyrosine hydroxylase (Ellenbroek, B.A. (526) 251)

Attention

Dopamine; Addiction; Human; Craving; Reward (Franken, I.H.A. (526) 199)

Behavioral economics

Addiction; Dependence; Choice; Dopamine; Lateral hypothalamus; Cocaine; Heroin; Prefrontal cortex (Ahmed, S.H. (526) 9)

Benzodiazepines

Aggression; Serotonin; Defense; Frustration; Alcohol; Dopamine; GABA; Neuroleptics (de Almeida, R.M.M. (526) 51)

c-Fos

Aggression; Sexual behaviour; Neural mechanism; Serotonin; Pharmacology; Male (Rat) (Veening, J.G. (526) 226)

Choice

Addiction; Dependence; Behavioral economics; Dopamine; Lateral hypothalamus; Cocaine; Heroin; Prefrontal cortex (Ahmed, S.H. (526) 9)

Chronic antidepressant treatment

Animal model of depression; Agonistic behaviour; Social hierarchy; Resident-intruder; Suicide ideation (Mitchell, P.J. (526) 147)

Cocaine

Addiction; Dependence; Behavioral economics; Choice; Dopamine; Lateral hypothalamus; Heroin; Prefrontal cortex (Ahmed, S.H. (526) 9)

Conditioned drug cues; Extinction; Heroin; Incubation; Reinstatement; Relapse; Review; Stress (Bossert, J.M. (526) 36)

Alcohol; Drug addiction; Nicotine; Opiates; Pharmacotherapy (Heidbreder, C. (526) 101)

Addiction; Amygdala; Conditioning; Cue; Reinstatement; Relapse (See, R.E. (526) 140)

Second-order schedules of reinforcement; Amygdala; Nucleus accumbens; Dopamine; Glutamate (Di Ciano, P. (526) 186)

Alcohol; *Aph-1b*; APO-SUS; APO-UNUS; γ -secretase; Self-administration; Tyrosine hydroxylase (Ellenbroek, B.A. (526) 251)

Compulsion

Drug addiction; Habit; Impulsivity; Sensitization; Tolerance; Allostasis; Prefrontal cortex; Orbitofrontal cortex; Dorsal striatum; Nucleus accumbens (Vanderschuren, L.J.M.J. (526) 77)

Conditioned drug cues

Cocaine; Extinction; Heroin; Incubation; Reinstatement; Relapse; Review; Stress (Bossert, J.M. (526) 36)

Conditioning

Addiction; Amygdala; Cocaine; Cue; Reinstatement; Relapse (See, R.E. (526) 140)

Conflict study

Frustration-aggression analysis; Entitlement systems analysis (de Gaay Fortman, B. (526) 2)

Corticosterone

Agonistic; Cortisol; Serotonin; Social; Stress (Summers, C.H. (526) 21)

Cortisol

Agonistic; Corticosterone; Serotonin; Social; Stress (Summers, C.H. (526) 21)

Craving

Dopamine; Addiction; Human; Attention; Reward (Franken, I.H.A. (526) 199)

Cue

Addiction; Amygdala; Cocaine; Conditioning; Reinstatement; Relapse (See, R.E. (526) 140)

Defense

Aggression; Serotonin; Defense; Frustration; Alcohol; Dopamine; GABA; Neuroleptics (de Almeida, R.M.M. (526) 51)

Dependence

Addiction; Behavioral economics; Choice; Dopamine; Lateral hypothalamus; Cocaine; Heroin; Prefrontal cortex (Ahmed, S.H. (526) 9)

Dominance

Aggression; Antidepressant; Negative affect; Impulse regulation; Personality trait; Affiliative behaviour (Bond, A.J. (526) 218)

Dopamine

Addiction; Dependence; Behavioral economics; Choice; Lateral hypothalamus; Cocaine; Heroin; Prefrontal cortex (Ahmed, S.H. (526) 9)

Aggression; Serotonin; Defense; Frustration; Alcohol; GABA; Neuroleptics; Benzodiazepines (de Almeida, R.M.M. (526) 51)

Addiction; Relapse; Nucleus accumbens; Glutamate (Schmidt, H.D. (526) 65)

Second-order schedules of reinforcement; Cocaine; Amygdala; Nucleus accumbens; Glutamate (Di Ciano, P. (526) 186)

Addiction; Human; Attention; Craving; Reward (Franken, I.H.A. (526) 199)

Dorsal striatum

Drug addiction; Habit; Compulsion; Impulsivity; Sensitization; Tolerance; Allostasis; Prefrontal cortex; Orbitofrontal cortex; Nucleus accumbens (Vanderschuren, L.J.M.J. (526) 77)

Drug addiction

Habit; Compulsion; Impulsivity; Sensitization; Tolerance; Allostasis; Prefrontal cortex; Orbitofrontal cortex; Dorsal striatum; Nucleus accumbens (Vanderschuren, L.J.M.J. (526) 77)

Alcohol; Cocaine; Nicotine; Opiates; Pharmacotherapy (Heidbreder, C. (526) 101)

Entitlement systems analysis

Frustration-aggression analysis; Conflict study (de Gaay Fortman, B. (526) 2)

Environment

Serotonin transporter; Genetics; Alcohol dependence; Addiction; Plasticity; Imaging (Lesch, K.-P. (526) 113)

Ethanol abuse

Reward; Knockout; Inverse agonist (Stephens, D.N. (526) 240)

Extinction

Cocaine; Conditioned drug cues; Heroin; Incubation; Reinstatement; Relapse; Review; Stress (Bossert, J.M. (526) 36)

Frustration

Aggression; Serotonin; Defense; Alcohol; Dopamine; GABA; Neuroleptics; Benzodiazepines (de Almeida, R.M.M. (526) 51)

Frustration–aggression analysis

Conflict study; Entitlement systems analysis (de Gaay Fortman, B. (526) 2)

Genetics

Serotonin transporter; Alcohol dependence; Addiction; Environment; Plasticity; Imaging (Lesch, K.-P. (526) 113)

Aggression; Serotonin transporter; Monoamine oxidase A; 5-hydroxyindoleacetic acid; Microdialysis; (Monkey); (Mice); (Rat) (Francesco Ferrari, P. (526) 259)

GABA

Aggression; Serotonin; Defense; Frustration; Alcohol; Dopamine; Neuroleptics; Benzodiazepines (de Almeida, R.M.M. (526) 51)

Glucocorticoid

Aggression; Abnormal (Haller, J. (526) 89)

Glutamate

Addiction; Relapse; Nucleus accumbens; Dopamine (Schmidt, H.D. (526) 65)

Second-order schedules of reinforcement; Cocaine; Amygdala; Nucleus accumbens; Dopamine (Di Ciano, P. (526) 186)

Habit

Drug addiction; Compulsion; Impulsivity; Sensitization; Tolerance; Allostatic; Prefrontal cortex; Orbitofrontal cortex; Dorsal striatum; Nucleus accumbens (Vanderschuren, L.J.M.J. (526) 77)

Heroin

Addiction; Dependence; Behavioral economics; Choice; Dopamine; Lateral hypothalamus; Cocaine; Prefrontal cortex (Ahmed, S.H. (526) 9)

Cocaine; Conditioned drug cues; Extinction; Incubation; Reinstatement; Relapse; Review; Stress (Bossert, J.M. (526) 36)

Human

Dopamine; Addiction; Attention; Craving; Reward (Franken, I.H.A. (526) 199)

5-HT transporter

Serotonin; Aggression; 5-HT_{1B} receptor; 5-HT_{1A} receptor (Olivier, B. (526) 207)

5-HT_{1A}

Aggression; Resident–intruder; Serotonin; 5-HT_{1B}; (Rat) (de Boer, S.F. (526) 125)

5-HT_{1A} receptor

Serotonin; Aggression; 5-HT_{1B} receptor; 5-HT transporter (Olivier, B. (526) 207)

5-HT_{1B}

Aggression; Resident–intruder; Serotonin; 5-HT_{1A}; (Rat) (de Boer, S.F. (526) 125)

5-HT_{1B} receptor

Serotonin; Aggression; 5-HT transporter; 5-HT_{1A} receptor (Olivier, B. (526) 207)

5-hydroxyindoleacetic acid

Aggression; Genetics; Serotonin transporter; Monoamine oxidase A; Microdialysis; (Monkey); (Mice); (Rat) (Francesco Ferrari, P. (526) 259)

Imaging

Serotonin transporter; Genetics; Alcohol dependence; Addiction; Environment; Plasticity (Lesch, K.-P. (526) 113)

Impulse regulation

Aggression; Antidepressant; Negative affect; Personality trait; Dominance; Affiliative behaviour (Bond, A.J. (526) 218)

Impulsivity

Drug addiction; Habit; Compulsion; Sensitization; Tolerance; Allostatic; Prefrontal cortex; Orbitofrontal cortex; Dorsal striatum; Nucleus accumbens (Vanderschuren, L.J.M.J. (526) 77)

Incubation

Cocaine; Conditioned drug cues; Extinction; Heroin; Reinstatement; Relapse; Review; Stress (Bossert, J.M. (526) 36)

Inverse agonist

Ethanol abuse; Reward; Knockout (Stephens, D.N. (526) 240)

Knockout

Ethanol abuse; Reward; Inverse agonist (Stephens, D.N. (526) 240)

Lateral hypothalamus

Addiction; Dependence; Behavioral economics; Choice; Dopamine; Cocaine; Heroin; Prefrontal cortex (Ahmed, S.H. (526) 9)

Male (Rat)

Aggression; Sexual behaviour; Neural mechanism; c-Fos; Serotonin; Pharmacology (Veening, J.G. (526) 226)

(Mice)

Aggression; Genetics; Serotonin transporter; Monoamine oxidase A; 5-hydroxyindoleacetic acid; Microdialysis; (Monkey); (Rat) (Francesco Ferrari, P. (526) 259)

Microdialysis

Aggression; Genetics; Serotonin transporter; Monoamine oxidase A; 5-hydroxyindoleacetic acid; (Monkey); (Mice); (Rat) (Francesco Ferrari, P. (526) 259)

(Monkey)

Aggression; Genetics; Serotonin transporter; Monoamine oxidase A; 5-hydroxyindoleacetic acid; Microdialysis; (Mice); (Rat) (Francesco Ferrari, P. (526) 259)

Monoamine oxidase A

Aggression; Genetics; Serotonin transporter; 5-hydroxyindoleacetic acid; Microdialysis; (Monkey); (Mice); (Rat) (Francesco Ferrari, P. (526) 259)

Negative affect

Aggression; Antidepressant; Impulse regulation; Personality trait; Dominance; Affiliative behaviour (Bond, A.J. (526) 218)

Neural mechanism

Aggression; Sexual behaviour; c-Fos; Serotonin; Pharmacology; Male (Rat) (Veening, J.G. (526) 226)

Neuroleptics

Aggression; Serotonin; Defense; Frustration; Alcohol; Dopamine; GABA; Benzodiazepines (de Almeida, R.M.M. (526) 51)

Nicotine

Alcohol; Cocaine; Drug addiction; Opiates; Pharmacotherapy (Heidbreder, C. (526) 101)

Nucleus accumbens

Addiction; Relapse; Dopamine; Glutamate (Schmidt, H.D. (526) 65)

Drug addiction; Habit; Compulsion; Impulsivity; Sensitization; Tolerance; Allostatic; Prefrontal cortex; Orbitofrontal cortex; Dorsal striatum (Vanderschuren, L.J.M.J. (526) 77)

Second-order schedules of reinforcement; Cocaine; Amygdala; Dopamine; Glutamate (Di Ciano, P. (526) 186)

Opiates

Alcohol; Cocaine; Drug addiction; Nicotine; Pharmacotherapy (Heidbreder, C. (526) 101)

Orbitofrontal cortex

Drug addiction; Habit; Compulsion; Impulsivity; Tolerance; Allostasis; Prefrontal cortex; Sensitization; Dorsal striatum; Nucleus accumbens (Vanderschuren, L.J.M.J. (526) 77)

Personality trait

Aggression; Antidepressant; Negative affect; Impulse regulation; Dominance; Affiliative behaviour (Bond, A.J. (526) 218)

Pharmacology

Aggression; Sexual behaviour; Neural mechanism; c-Fos; Serotonin; Male (Rat) (Veening, J.G. (526) 226)

Pharmacotherapy

Alcohol; Cocaine; Drug addiction; Nicotine; Opiates (Heidbreder, C. (526) 101)

Alcohol; Relapse prevention; Addiction; Treatment (Kiefer, F. (526) 163)

Plasticity

Serotonin transporter; Genetics; Alcohol dependence; Addiction; Environment; Imaging (Lesch, K.-P. (526) 113)

Prefrontal cortex

Addiction; Dependence; Behavioral economics; Choice; Dopamine; Lateral hypothalamus; Cocaine; Heroin (Ahmed, S.H. (526) 9)

Drug addiction; Habit; Compulsion; Impulsivity; Sensitization; Tolerance; Allostasis; Orbitofrontal cortex; Dorsal striatum; Nucleus accumbens (Vanderschuren, L.J.M.J. (526) 77)

Pseudo-autosomal region

Aggression; Quantitative trait locus; Steroid sulfatase; Y-chromosome (Roubertoux, P.L. (526) 172)

Quantitative trait locus

Aggression; Steroid sulfatase; Pseudo-autosomal region; Y-chromosome (Roubertoux, P.L. (526) 172)

(Rat)

Aggression; Resident-intruder; Serotonin; 5-HT_{1A}; 5-HT_{1B} (de Boer, S.F. (526) 125)

Aggression; Genetics; Serotonin transporter; Monoamine oxidase A; 5-hydroxyindoleacetic acid; Microdialysis; (Monkey); (Mice) (Francesco Ferrari, P. (526) 259)

Reinstatement

Cocaine; Conditioned drug cues; Extinction; Heroin; Incubation; Relapse; Review; Stress (Bossert, J.M. (526) 36)

Addiction; Amygdala; Cocaine; Conditioning; Cue; Relapse (See, R.E. (526) 140)

Relapse

Cocaine; Conditioned drug cues; Extinction; Heroin; Incubation; Reinstatement; Review; Stress (Bossert, J.M. (526) 36)

Addiction; Nucleus accumbens; Dopamine; Glutamate (Schmidt, H.D. (526) 65)

Addiction; Amygdala; Cocaine; Conditioning; Cue; Reinstatement (See, R.E. (526) 140)

Relapse prevention

Alcohol; Addiction; Treatment; Pharmacotherapy (Kiefer, F. (526) 163)

Resident-intruder

Aggression; Serotonin; 5-HT_{1A}; 5-HT_{1B}; (Rat) (de Boer, S.F. (526) 125)

Animal model of depression; Chronic antidepressant treatment; Agonistic behaviour; Social hierarchy; Suicide ideation (Mitchell, P.J. (526) 147)

Review

Cocaine; Conditioned drug cues; Extinction; Heroin; Incubation; Reinstatement; Relapse; Stress (Bossert, J.M. (526) 36)

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Dopamine; Addiction; Human; Attention; Craving (Franken, I.H.A. (526) 199)

Ethanol abuse; Knockout; Inverse agonist (Stephens, D.N. (526) 240)

Second-order schedules of reinforcement

Cocaine; Amygdala; Nucleus accumbens; Dopamine; Glutamate (Di Ciano, P. (526) 186)

Self-administration

Alcohol; *Aph-1b*; APO-SUS; APO-UNSUS; Cocaine; γ -secretase; Tyrosine hydroxylase (Ellenbroek, B.A. (526) 251)

γ -secretase

Alcohol; *Aph-1b*; APO-SUS; APO-UNSUS; Cocaine; Self-administration; Tyrosine hydroxylase (Ellenbroek, B.A. (526) 251)

Sensitization

Drug addiction; Habit; Compulsion; Impulsivity; Tolerance; Allostasis; Prefrontal cortex; Orbitofrontal cortex; Dorsal striatum; Nucleus accumbens (Vanderschuren, L.J.M.J. (526) 77)

Serotonin

Agonistic; Corticosterone; Cortisol; Social; Stress (Summers, C.H. (526) 21)

Aggression; Defense; Frustration; Alcohol; Dopamine; GABA; Neuroleptics; Benzodiazepines (de Almeida, R.M.M. (526) 51)

Aggression; Resident-intruder; 5-HT_{1A}; 5-HT_{1B}; (Rat) (de Boer, S.F. (526) 125)

Agonistic; Aggression; 5-HT_{1B} receptor; 5-HT transporter; 5-HT_{1A} receptor (Olivier, B. (526) 207)

Aggression; Sexual behaviour; Neural mechanism; c-Fos; Pharmacology; Male (Rat) (Veening, J.G. (526) 226)

Serotonin transporter

Genetics; Alcohol dependence; Addiction; Environment; Plasticity; Imaging (Lesch, K.-P. (526) 113)

Aggression; Genetics; Monoamine oxidase A; 5-hydroxyindoleacetic acid; Microdialysis; (Monkey); (Mice); (Rat) (Francesco Ferrari, P. (526) 259)

Sexual behaviour

Aggression; Neural mechanism; c-Fos; Serotonin; Pharmacology; Male (Rat) (Veening, J.G. (526) 226)

Social

Agonistic; Corticosterone; Cortisol; Serotonin; Stress (Summers, C.H. (526) 21)

Social hierarchy

Animal model of depression; Chronic antidepressant treatment; Agonistic behaviour; Resident–intruder; Suicide ideation (Mitchell, P.J. (526) 147)

Steroid sulfatase

Aggression; Quantitative trait locus; Pseudo-autosomal region; Y-chromosome (Roubertoux, P.L. (526) 172)

Stress

Agonistic; Corticosterone; Cortisol; Serotonin; Social (Summers, C.H. (526) 21)

Cocaine; Conditioned drug cues; Extinction; Heroin; Incubation; Reinstatement; Relapse; Review (Bossert, J.M. (526) 36)

Suicide ideation

Animal model of depression; Chronic antidepressant treatment; Agonistic behaviour; Social hierarchy; Resident–intruder (Mitchell, P.J. (526) 147)

Tolerance

Drug addiction; Habit; Compulsion; Impulsivity; Sensitization; Allostasis; Prefrontal cortex; Orbitofrontal cortex; Dorsal striatum; Nucleus accumbens (Vanderschuren, L.J.M.J. (526) 77)

Treatment

Alcohol; Relapse prevention; Addiction; Pharmacotherapy (Kiefer, F. (526) 163)

Tyrosine hydroxylase

Alcohol; *Aph-1b*; APO-SUS; APO-UNSUS; Cocaine; γ -secretase; Self-administration (Ellenbroek, B.A. (526) 251)

Y-chromosome

Aggression; Quantitative trait locus; Steroid sulfatase; Pseudo-autosomal region (Roubertoux, P.L. (526) 172)