

Neuroscience2011 Category

A *Neural Excitability, Synapses, and Glia: Cellular Mechanisms*

- 1 Ion Channels and Excitable Membranes
- 2 Neurotransmitters and Modulators
- 3 Receptors and Transporters
- 4 Synapse
- 5 Synaptic Plasticity
- 6 Signal Transduction and Modulation
- 7 Axonal Transport and Cytoskeleton
- 8 Glia and Glia–Neuron Interaction
- 9 Blood–Brain Barrier
- 10 Gene Regulation, Epigenetics, Genome Informatics
- 11 Regulation and Function of RNA, Translational Regulation
- 12 Drug Development
- 13 Others

B *Development, Regeneration and Plasticity*

- 14 Induction, Pattern Formation
- 15 Stem Cells, Cellular Differentiation
- 16 Cell Migration and Adhesion, Morphogenesis
- 17 Axonal and Dendritic Growth, Network Formation
- 18 Trophic Factors and Cytokines
- 19 Regeneration and Neural Repair
- 20 Neuronal Death and Apoptosis
- 21 Adult Neurogenesis
- 22 Evolution
- 23 Others

C *Sensory and Motor Systems*

- 24 Kinematics and EMG
- 25 Spinal cord Motor Neurons and Muscle
- 26 Posture and Gait
- 27 Rhythmic Motor Pattern Generation
- 28 Cerebellum
- 29 Basal Ganglia
- 30 Voluntary Movements
- 31 Oculomotor System
- 32 Sensori–Motor Plasticity
- 33 Visual System
- 34 Auditory and Vestibular Systems
- 35 Olfaction, Taste, Chemical Senses
- 36 Somatosensory System
- 37 Viscerosensory System
- 38 Pain, Itch and Their Disorders
- 39 Multisensory
- 40 Others

D *Homeostatic and Neuroendocrine Systems*

- 41 Autonomic Nervous System
- 42 Neuroendocrine System
- 43 Neuroimmunology
- 44 Stress
- 45 Reproduction
- 46 Metabolism and Regulation of Food Intake
- 47 Others

E *Molecular and Neuronal Bases of Behavior*

- 48 Instinctive Behavior and Stress
- 49 Sleep and Biological Rhythms
- 50 Motivation and Emotion
- 51 Reward and Decision Making
- 52 Attention and Perceptual Integration
- 53 Spatial and Temporal Cognition
- 54 Learning and Long–term Memory
- 55 Working Memory and Executive Function
- 56 Social Behavior
- 57 Language
- 58 Development of Cognition
- 59 Aging of Cognition
- 60 Others

F Disorders of the Nervous System

- 61 Alzheimer's Disease, Other Dementia, Aging
- 62 Parkinson's Disease and Related Disorders
- 63 Polyglutamine Diseases, ALS, Other Neurodegenerative Disorder
- 64 Neuromuscular Diseases
- 65 Demyelinating Disorders
- 66 Neuroprotection, Neurotoxicity and Neuroinflammation
- 67 Epilepsy
- 68 Schizophrenia
- 69 Mood Disorders
- 70 Anxiety Disorders
- 71 Drug Addiction and Abuse
- 72 Neurodevelopmental Disorders
- 73 Other Psychiatric Disorders
- 74 Cerebrovascular Disease and Ischemia
- 75 Injury
- 76 Neuro-oncology
- 77 Behavioral Pharmacology
- 78 Others

G Modeling, Hardware Implementation, and Applications

- 79 Neural Network Modeling
- 80 Neuroinformatics
- 81 Learning Theory
- 82 Neuronal Data Analysis
- 83 Neuroengineering
- 84 Hardware Implementation
- 85 BMI/BCI
- 86 Image/Sound Processing
- 87 Robotics
- 88 Large Scale Simulation
- 89 Other Applications

H Methodology

- 90 Molecular, Biochemical, and Genetic Techniques
- 91 Genomics, Proteomics, and Systems Biology
- 92 Staining, Tracing, and Imaging Techniques
- 93 Optical Methods
- 94 Optogenetics
- 95 Electrophysiology
- 96 Others

I Others

- 97 Neuroethics
- 98 Social and Legal Issues of Neuroscience
- 99 History, Education and Outreach
- 100 Others