Neuroscience Bulletin 2023.01–2024.12 Article List

Addiction and Addictive Behavior [1–4]

1. Zhou J, Deng W, Chen C, Kang J, Yang X, Dou Z, Wu J, Li Q, Jiang M, Liang M, Han Y. Methcathinone Increases Visually-evoked Neuronal Activity and Enhances Sensory Processing Efficiency in Mice. Neurosci Bull 2023, 39(4): 602–616.

2. Hu RR, Yang MD, Ding XY, Wu N, Li J, Song R. Blockade of the Dopamine D_3 Receptor Attenuates Opioids-Induced Addictive Behaviours Associated with Inhibiting the Mesolimbic Dopamine System. Neurosci Bull 2023, 39(11): 1655–1668.

3. Liu L, Luo L, Wei JA, Xu X, So KF, Zhang L. Treadmill Exercise Reshapes Cortical Astrocytic and Neuronal Activity to Improve Motor Learning Deficits Under Chronic Alcohol Exposure. Neurosci Bull 2024, 40(9): 1287–1298.

4. Zhu F, Kanda H, Neyama H, Wu Y, Kato S, Hu D, Duan S, Noguchi K, Watanabe Y, Kobayashi K, Dai Y, Cui Y. Modulation of Nicotine-Associated Behaviour in Rats By μ-Opioid Signals from the Medial Prefrontal Cortex to the Nucleus Accumbens Shell. Neurosci Bull 2024, 40(12): 1826–1842.

Anatomy, Connectome, Tracing [1–8]

1. Tseng YT, Liang L, Zhao B, Ye J, Wang L. Connectivity Map of Subthalamic Corticotropin-releasing Hormone Neurons in the Mouse Brain. Neurosci Bull 2023, 39(2): 292–296.

2. Zhang X, Song M, Li J, Jiang T. EM-fMRI: A Promising Method for Mapping the Brain Functional Connectome. Neurosci Bull 2023, 39(4): 707–709.

3. Li L, Liu Z. Genetic Approaches for Neural Circuits Dissection in Non-human Primates. Neurosci Bull 2023, 39(10): 1561–1576.

4. Li Y, Fang Y, Li K, Yang H, Duan S, Sun L. Morphological Tracing and Functional Identification of Monosynaptic Connections in the Brain: A Comprehensive Guide. Neurosci Bull 2024, 40(9): 1364–1378.

5. Li X, Zhou Y, Wang F, Wang L. Sex-Dimorphic Kidney-Brain Connectivity Map of Mice. Neurosci Bull 2024, 40(10): 1445–1457.

6. Varga V. Disentangling the Hippocampal Projectome. Neurosci Bull 2024, 40(10): 1593–1596.

7. Li X, Du Y, Huang JF, Li WW, Song W, Fan RN, Zhou H, Jiang T, Lu CG, Guan Z, Wang XF, Gong H, Li XN, Li A, Fu L, Sun YG. Link Brain-Wide Projectome to Neuronal Dynamics in the Mouse Brain. Neurosci Bull 2024, 40(11): 1621–1634.

8. Zhang Y, Zhang W, Wang L, Liu D, Xie T, Le Z, Li X, Gong H, Xu XH, Xu M, Yao H. Whole-brain Mapping of Inputs and Outputs of Specific Orbitofrontal Cortical Neurons in Mice. Neurosci Bull 2024, 40(11): 1681–1698.

Autophagy [1–3]

1. Dai S, Feng Y, Lu C, Zhang H, Ma W, Xie W, Wu X, Luo P, Zhang L, Fei F, Fei Z, Li X. Impairment of Autophagic Flux After Hypobaric Hypoxia Potentiates Oxidative Stress and Cognitive Function Disturbances in Mice. Neurosci Bull 2024, 40(1): 35–49.

2. Li YY, Qin ZH, Sheng R. The Multiple Roles of Autophagy in Neural Function and Diseases. Neurosci Bull 2024, 40(3): 363–382.

3. Ai X, Yu H, Cai Y, Guan Y. Interactions Between Extracellular Vesicles and Autophagy in Neuroimmune Disorders. Neurosci Bull 2024, 40(7): 992–1006.

Behavior [1–21]

1. Wu Z, Chen A, Cai X. Neuronal Response to Reward and Luminance in Macaque LIP During Saccadic Choice. Neurosci Bull 2023, 39(1): 14–28.

2. Zhou L, Gu Y. Cortical Mechanisms of Multisensory Linear Self-motion Perception. Neurosci Bull 2023, 39(1): 125–137.

3. Mao D. Neural Correlates of Spatial Navigation in Primate Hippocampus. Neurosci Bull 2023, 39(2): 315–327.

4. Chen X, Liu J, Luo YJ, Feng C. Brain Systems Underlying Fundamental Motivations of Human Social Conformity. Neurosci Bull 2023, 39(2): 328–342.

5. Xie T, Huang C, Zhang Y, Liu J, Yao H. Influence of Recent Trial History on Interval Timing. Neurosci Bull 2023, 39(4): 559–575.

6. Chen J, Gannot N, Li X, Zhu R, Zhang C, Li P. Control of Emotion and Wakefulness by Neurotensinergic Neurons in the Parabrachial Nucleus. Neurosci Bull 2023, 39(4): 589–601.

7. Howard C, Simen P. A Time to Remember: Neural Insights into Rapid Updating of Timed Behaviors. Neurosci Bull 2023, 39(4): 699–702.

8. Zhao ZD, Zhang L, Xiang X, Kim D, Li H, Cao P, Shen WL. Neurocircuitry of Predatory Hunting. Neurosci Bull 2023, 39(5): 817–831.

9. Tong K, Bu GK, Jing SQ, Wu T, Song YT, You Y, Liu L, Chen YH, Hao JR, Sun N, Gao C. Projections from the Prefrontal Cortex to Zona Incerta Mediate Fear Generalization. Neurosci Bull 2023, 39(7): 1151–1156.

10. Wan X, Shen P, Shi K, Li J, Wu F, Zhou C. A Neural Circuit Controlling Virgin Female Aggression Induced by Mating-related Cues in *Drosophila*. Neurosci Bull 2023, 39(9): 1396–1410.

11. Fan J, Xu H. Serotonin: A Bridge for Infant-mother Bonding. Neurosci Bull 2023, 39(11): 1741–1744.

12. An R, Lu C, Wang C, Chang L, Huang J, Jiang F, Xu TL, Gong N. Developmental Patterns and Gender Differences of Vocal Production in Marmoset Monkeys. Neurosci Bull 2024, 40(1): 133–138.

13. Yuan M, Jin S, Tan G, Song S, Liu Y, Wang H, Shen Y. A Non-canonical Excitatory PV RGC-PV SC Visual Pathway for Mediating the Looming-evoked Innate Defensive Response. Neurosci Bull 2024, 40(3): 310–324.

14. Wang X, Zheng J, Xu H. Neural Circuitry Involving Substance P in Male Sexual Behavior. Neurosci Bull 2024, 40(4): 544–546.

15. Guan X, Cao P. Brain Mechanisms Underlying Panic Attack and Panic Disorder. Neurosci Bull 2024, 40(6): 795–814.

16. Luo ZC, Gao TM. Dopamine Switches Affective States Under Acute Sleep Deprivation. Neurosci Bull 2024, 40(8): 1205–1208.

17. Liu J, Ye J, Ji C, Ren W, He Y, Xu F, Wang F. Mapping the Behavioral Signatures of Shank3b Mice in Both Sexes. Neurosci Bull 2024, 40(9): 1299–1314.

18. Jia CH, Shu FQ, Lau PM, Wang H. Acute Observational Stimulus of Restrained Mice Induced Anxiolytic Effects in Observer Mice. Neurosci Bull 2024, 40(10): 1545–1550.

19. Pan G, Zhao B, Zhang M, Guo Y, Yan Y, Dai D, Zhang X, Yang H, Ni J, Huang Z, Li X, Duan S. Nucleus Accumbens Corticotropin-Releasing Hormone Neurons Projecting to the Bed Nucleus of the Stria Terminalis Promote Wakefulness and Positive Affective State. Neurosci Bull 2024, 40(11): 1602–1620.

20. Shi Y, Yan J, Xu X, Qiu Z. Gating of Social Behavior by Inhibitory Inputs from Hippocampal CA1 to Retrosplenial Agranular Cortex. Neurosci Bull 2024, 40(11): 1635–1648.

21. Jiao ZL, Zhang M, Wu YN, Li SS, Gao MT, Zhang W, Xu XH. Acute Recruitment of VTA Dopamine Neurons by mPOA Esr1+ Neurons to Facilitate Consummatory Male Mating Actions. Neurosci Bull 2024, 40(11): 1745–1750.

Brain Imaging [1–11]

1. Xie JJ, Li XY, Dong Y, Chen C, Qu BY, Wang S, Xu H, Roe AW, Lai HY, Wu ZY. Local and Global Abnormalities in Pre-symptomatic Huntington's Disease Revealed by 7T Resting-state Functional MRI. Neurosci Bull 2023, 39(1): 94–98.

2. Huang P, Zhang M. Magnetic Resonance Imaging Studies of Neurodegenerative Disease: From Methods to Translational Research. Neurosci Bull 2023, 39(1): 99–112.

3. Zuo N, Hu T, Liu H, Sui J, Liu Y, Jiang T. Different Regional Patterns in Gray Matter-based Age Prediction. Neurosci Bull 2023, 39(6): 984–988.

4. Xi S, Zhou Y, Yao J, Ye X, Zhang P, Wen W, Zhao C. Cortical Deficits are Correlated with Impaired Stereopsis in Patients with Strabismus. Neurosci Bull 2023, 39(7): 1039–1049.

5. Lv Q, Zeljic K, Zhao S, Zhang J, Zhang J, Wang Z. Dissecting Psychiatric Heterogeneity and Comorbidity with Core Region-Based Machine Learning. Neurosci Bull 2023, 39(8): 1309–1326.

6. Jiang T, Gong H, Yuan J. Whole-brain Optical Imaging: A Powerful Tool for Precise Brain Mapping at the Mesoscopic Level. Neurosci Bull 2023, 39(12): 1840–1858.

7. Niu J, Zhong Y, Jin C, Cen P, Wang J, Cui C, Xue L, Cui X, Tian M, Zhang H. Positron Emission Tomography Imaging of Synaptic Dysfunction in Parkinson's Disease. Neurosci Bull 2024, 40(6): 743–758.

8. Ahrens MB. Closing the Experiment-Modeling-Perturbation Loop in Whole-Brain Neuroscience. Neurosci Bull 2024, 40(8): 1212–1214.

9. Sun D, Zhang Z, Oishi N, Dai Q, Thuy DHD, Abe N, Tachibana J, Funahashi S, Wu J, Murai T, Fukuyama H. The Role of Occipitotemporal Network for Speed-Reading: An fMRI Study. Neurosci Bull 2024, 40(9): 1261–1273.

10. Guo J, He C, Song H, Gao H, Yao S, Dong SS, Yang TL. Unveiling Promising Neuroimaging Biomarkers for Schizophrenia Through Clinical and Genetic Perspectives. Neurosci Bull 2024, 40(9): 1333–1352.

11. Chen HJ, Huang W, Dong X, Feng G, Liu Z, Wang Y, Peng J, Dai Z, Shu N. Effects of Vascular Risk Factors on the White Matter Network Architecture of the Brain. Neurosci Bull 2024, 40(10): 1551–1556.

Brain Immunity and Neuroinflammation [1–7]

1. Yang J, Qiu M. Mild Respiratory COVID-Induced Neuroinflammation Causes Neurological Deficits. Neurosci Bull 2023, 39(4): 713–715.

2. Han QQ, Le W. NLRP3 Inflammasome-Mediated Neuroinflammation and Related Mitochondrial Impairment in Parkinson's Disease. Neurosci Bull 2023, 39(5): 832–844.

3. Zhang Y, Ye F, Fu X, Li S, Wang L, Chen Y, Li H, Hao S, Zhao K, Feng Q, Li P. Mitochondrial Regulation of Macrophages in Innate Immunity and Diverse Roles of Macrophages During Cochlear Inflammation. Neurosci Bull 2024, 40(2): 255–267.

4. Xia Y, Ding L, Zhang C, Xu Q, Shi M, Gao T, Zhou FQ, Deng DYB. Inflammatory Factor IL1α Induces Aberrant Astrocyte Proliferation in Spinal Cord Injury Through the Grin2c/Ca^{2+}/CaMK2b Pathway. Neurosci Bull 2024, 40(4): 421–438.

5. Dong Y, Zhang X, Wang Y. Interleukins in Epilepsy: Friend or Foe. Neurosci Bull 2024, 40(5): 635–657.

6. Ai X, Yu H, Cai Y, Guan Y. Interactions Between Extracellular Vesicles and Autophagy in Neuroimmune Disorders. Neurosci Bull 2024, 40(7): 992–1006.

7. Cui X, Gao X, Zhu B. CGRP: Does A Novel Neuroimmune Modulator Facilitate Tissue Repair? Neurosci Bull 2024, 40(12): 2019–2022.

Cell Signaling [1–5]

1. Chang J, Chen C, Li W, Abumaria N. TRPM7 Kinase Domain is Part of the Rac1-SSH2-cofilin Complex Regulating F-actin in the Mouse Nervous System. Neurosci Bull 2023, 39(6): 989–993.

2. Peng D, Qi W, Zhang F, Song B. Mid-infrared Photons Released by NAD^+ Reduction in the Tricarboxylic Acid Cycle of Myelinated Neuron. Neurosci Bull 2023, 39(7): 1146–1150.

3. Xiong J, Zhang Z, Ye K. C/EBPβ/AEP Signaling Drives Alzheimer's Disease Pathogenesis. Neurosci Bull 2023, 39(7): 1173–1185.

4. Zhao J, Yang Y, Qin J, Tao S, Jiang C, Huang H, Wan Q, Chen Y, Xu S, Qiao H. Transcutaneous Auricular Vagus Nerve Stimulation Ameliorates Preeclampsia-Induced Apoptosis of Placental Trophoblastic Cells *Via* Inhibiting the Mitochondrial Unfolded Protein Response. Neurosci Bull 2024, 40(10): 1502–1518.

5. Ji E, Zhang Y, Li Z, Wei L, Wu Z, Li Y, Yu X, Song TJ. The Chemokine CCL2 Promotes Excitatory Synaptic Transmission in Hippocampal Neurons *via* GluA1 Subunit Trafficking. Neurosci Bull 2024, 40(11): 1649–1666.

Cognitive Function and Cognitive Impairment [1–11]

1. Zheng RZ, Qi ZX, Wang Z, Xu ZY, Wu XH, Mao Y. Clinical Decision on Disorders of Consciousness After Acquired Brain Injury: Stepping Forward. Neurosci Bull 2023, 39(1): 138–162.

2. Jin M, Cai SQ. Mechanisms Underlying Brain Aging Under Normal and Pathological Conditions. Neurosci Bull 2023, 39(2): 303–314.

3. Zhang Y, Li S, Gao K, Li Y, Yuan J, Zhang D. Implicit, But Not Explicit, Emotion Regulation Relieves Unpleasant Neural Responses Evoked by High-Intensity Negative Images. Neurosci Bull 2023, 39(8): 1278–1288.

4. Sleurs C, Fletcher P, Mallucci C, Avula S, Ajithkumar T. Neurocognitive Dysfunction After Treatment for Pediatric Brain Tumors: Subtype-Specific Findings and Proposal for Brain Network-Informed Evaluations. Neurosci Bull 2023, 39(12): 1873–1886.

5. Li Y, Li L, Wang Y, Wang Y, Chen Z. Functional Changes in Astrocytes Lead to Cognitive Deficits After Social Deprivation. Neurosci Bull 2024, 40(4): 547–549.

6. Geng H, Xu P, Aleman A, Qin S, Luo YJ. Dynamic Organization of Large-scale Functional Brain Networks Supports Interactions Between Emotion and Executive Control. Neurosci Bull 2024, 40(7): 981–991.

7. Sun D, Zhang Z, Oishi N, Dai Q, Thuy DHD, Abe N, Tachibana J, Funahashi S, Wu J, Murai T, Fukuyama H. The Role of Occipitotemporal Network for Speed-Reading: An fMRI Study. Neurosci Bull 2024, 40(9): 1261–1273.

8. Li W, Cao D, Li J, Jiang T. Face-Specific Activity in the Ventral Stream Visual Cortex Linked to Conscious Face Perception. Neurosci Bull 2024, 40(10): 1434–1444.

9. Zhang R, Deng H, Xiao X. The Insular Cortex: An Interface Between Sensation, Emotion and

Cognition. Neurosci Bull 2024, 40(11): 1763–1773.

10. Jin X, Zhang L, Wu G, Wang X, Du Y. Compensation or Preservation? Different Roles of Functional Lateralization in Speech Perception of Older Non-musicians and Musicians. Neurosci Bull 2024, 40(12): 1843–1857.

11. Lv P, Chen D, Zhang H, Zhou W, Wang M, Grewe P, Axmacher N, Wang L. Context-dependent Grid-like Representations of Theta Power in Human Entorhinal Cortex. Neurosci Bull 2024, 40(12): 1955–1959.

Consciousness [1–1]

1. He Q, He J, Yang Y, Zhao J. Brain-Computer Interfaces in Disorders of Consciousness. Neurosci Bull 2023, 39(2): 348–352.

Decision Making [1–2]

1. Liu J, Liu D, Pu X, Zou K, Xie T, Li Y, Yao H. The Secondary Motor Cortex-striatum Circuit Contributes to Suppressing Inappropriate Responses in Perceptual Decision Behavior. Neurosci Bull 2023, 39(10): 1544–1560.

2. Luo L, Xu H, Tian X, Zhao Y, Xiong R, Dong H, Li X, Wang Y, Luo YJ, Feng C. The Neurocomputational Mechanism Underlying Decision-Making on Unfairness to Self and Others. Neurosci Bull 2024, 40(10): 1471–1488.

Developmental Disorders (ASD, ADHD, etc.) [1–10]

1. Yang K, Cheng C, Yuan Y, Zhang Y, Shan S, Qiu Z. Extension of the Lifespan of a Mouse Model of Rett Syndrome by Intracerebroventricular Delivery of MECP2. Neurosci Bull 2023, 39(2): 297–302.

2. Sun H, Wang G. Local Circuits in the Cerebellum Interact with Biochemical Events. Neurosci Bull 2023, 39(4): 710–712.

3. Li F, Ke H, Wang S, Mao W, Fu C, Chen X, Fu Q, Qin X, Huang Y, Li B, Li S, Xing J, Wang M, Deng W. Leaky Gut Plays a Critical Role in the Pathophysiology of Autism in Mice by Activating the Lipopolysaccharide-Mediated Toll-Like Receptor 4-Myeloid Differentiation Factor 88-Nuclear Factor Kappa B Signaling Pathway. Neurosci Bull 2023, 39(6): 911–928.

4. Xu D, Zhi Y, Liu X, Guan L, Yu J, Zhang D, Zhang W, Wang Y, Tao W, Xu Z. WDR62-deficiency Causes Autism-like Behaviors Independent of Microcephaly in Mice. Neurosci Bull 2023, 39(9): 1333–1347.

5. Yuan B, Wang M, Wu X, Cheng P, Zhang R, Zhang R, Yu S, Zhang J, Du Y, Wang X, Qiu Z. Identification of *de novo* Mutations in the Chinese Autism Spectrum Disorder Cohort *via* Whole-Exome Sequencing Unveils Brain Regions Implicated in Autism. Neurosci Bull 2023, 39(10): 1469–1480.

6. Cao X, Tang X, Feng C, Lin J, Zhang H, Liu Q, Zheng Q, Zhuang H, Liu X, Li H, Khan NU, Shen L. A Systematic Investigation of Complement and Coagulation-Related Protein in Autism Spectrum Disorder Using Multiple Reaction Monitoring Technology. Neurosci Bull 2023, 39(11): 1623–1637.

7. Wu X, Liu Y, Wang X, Zheng L, Pan L, Wang H. Developmental Impairments of Synaptic Refinement in the Thalamus of a Mouse Model of Fragile X Syndrome. Neurosci Bull 2024, 40(4): 439–450.

8. Sun Q, Zhi Z, Wang C, Du C, Tang J, Li H, Tang W. Mechanism of Endogenous Peptide PDYBX1 and Precursor Protein YBX1 in Hirschsprung's Disease. Neurosci Bull 2024, 40(6): 695–706.

9. Zhao W, Xu S, Zhang Y, Li D, Zhu C, Wang K. The Application of Extended Reality in Treating Children with Autism Spectrum Disorder. Neurosci Bull 2024, 40(8): 1189–1204.

10. Liu J, Ye J, Ji C, Ren W, He Y, Xu F, Wang F. Mapping the Behavioral Signatures of Shank3b Mice in Both Sexes. Neurosci Bull 2024, 40(9): 1299–1314.

EEG [1–4]

1. Xue R, Li X, Chen J, Liang S, Yu H, Zhang Y, Wei W, Xu Y, Deng W, Guo W, Li T. Shared and Distinct Topographic Alterations of Alpha-Range Resting EEG Activity in Schizophrenia, Bipolar Disorder, and Depression. Neurosci Bull 2023, 39(12): 1887–1890.

2. Feng J, Wu B, Cao Z, Chen H, Lan T, Qin H, Shi Y, Huang W, Li Y. Effects of Thirty Days Isolation on Attention Networks: A Behavioral and Event-related Potential Study. Neurosci Bull 2024, 40(1): 127–132.

3. Ye H, Chen C, Weiss SA, Wang S. Pathological and Physiological High-frequency Oscillations on Electroencephalography in Patients with Epilepsy. Neurosci Bull 2024, 40(5): 609–620.

4. Huang Q, Ding J, Wang X. A Method to Extract Task-Related EEG Feature Based on Lightweight Convolutional Neural Network. Neurosci Bull 2024, 40(12): 1915–1930.

Epilepsy [1–17]

1. Cheng H, Lou Q, Wang Y, Chen Z. Double-Edged Mossy Cells in Temporal Lobe Epilepsy: Evil in the Early Stage Through a BDNF-Dependent Strengthening Dentate Gyrus Circuit. Neurosci Bull 2023, 39(6): 1031–1033.

2. Tang Y, Zhang S, Xu C. Now We Can Tame the Wild West of Controlling Astrocytes for Treating Neocortical Epilepsy. Neurosci Bull 2023, 39(7): 1189–1190.

3. Yang L, Zhang M, Wang Y, Chen Z. Chemogenetic Therapeutics: A Powerful Tool to Control Cortical Seizures in Non-human Primates. Neurosci Bull 2023, 39(10): 1601–1604.

4. Zhang Z, Zhang H, Antonic-Baker A, Kwan P, Yan Y, Ma Y. *CXCR5* Regulates Neuronal Polarity Development and Migration in the Embryonic Stage *via* F-Actin Homeostasis and Results in Epilepsy-Related Behavior. Neurosci Bull 2023, 39(11): 1605–1622.

5. Song C, Zhao Y, Zhang J, Dong Z, Kang X, Pan Y, Du J, Gao Y, Zhang H, Xi Y, Ding H, Kuang F, Wang W, Luo C, Zhang Z, Zhao Q, Yang J, Jiang W, Wu S, Gao F. Spatial Distribution of Parvalbumin-Positive Fibers in the Mouse Brain and Their Alterations in Mouse Models of Temporal Lobe Epilepsy and Parkinson's Disease. Neurosci Bull 2023, 39(11): 1683–1702.

6. Xu C, Wang Y, Chen Z. Novel Mechanism, Drug Target and Therapy in Epilepsy. Neurosci Bull 2024, 40(5): 561–563.

7. Shen Y, Gong Y, Da X, Gao S, Zhang S, Sun M, Yang Y, Qiu X, Li M, Zheng Y, Fei F, Wang Y, Chen Z, Xu C. Low-frequency Stimulation at the Subiculum Prevents Extensive Secondary Epileptogenesis in Temporal Lobe Epilepsy. Neurosci Bull 2024, 40(5): 564–576.

8. Yang JJ, Liu YX, Wang YF, Ge BY, Wang Y, Wang QS, Li S, Zhang JJ, Jin LL, Hong JS, Yin SM, Zhao J. Anti-epileptic and Neuroprotective Effects of Ultra-low Dose NADPH Oxidase Inhibitor Dextromethorphan on Kainic Acid-induced Chronic Temporal Lobe Epilepsy in Rats. Neurosci Bull 2024, 40(5): 577–593.

9. Wu PP, Cao BR, Tian FY, Gao ZB. Development of SV2A Ligands for Epilepsy Treatment: A Review of Levetiracetam, Brivaracetam, and Padsevonil. Neurosci Bull 2024, 40(5): 594–608.

10. Ye H, Chen C, Weiss SA, Wang S. Pathological and Physiological High-frequency Oscillations on Electroencephalography in Patients with Epilepsy. Neurosci Bull 2024, 40(5): 609–620.

11. Liu X, Zhang Y, Zhao Y, Zhang Q, Han F. The Neurovascular Unit Dysfunction in the Molecular Mechanisms of Epileptogenesis and Targeted Therapy. Neurosci Bull 2024, 40(5): 621–634.

12. Dong Y, Zhang X, Wang Y. Interleukins in Epilepsy: Friend or Foe. Neurosci Bull 2024, 40(5): 635–657.

13. Cheng Y, Zhai Y, Yuan Y, Wang Q, Li S, Sun H. The Contributions of Thrombospondin-1 to Epilepsy Formation. Neurosci Bull 2024, 40(5): 658–672.

14. Zhou Y, Wang Y, Yang L. Stem Cell Transplantation Represents a New Strategy for the Treatment of Epilepsy. Neurosci Bull 2024, 40(5): 673–676.

15. Zhang S, Guo X, Huang W, Xu C. mTORC2: The "Ace in the Hole" for a Broader Control of Epileptic Seizures? Neurosci Bull 2024, 40(5): 677–679.

16. Chen J, Li Z, Wang Y, Chen L. GABAergic Interneuron Cell Therapy for Drug-Resistant Epilepsy. Neurosci Bull 2024, 40(5): 680–682.

17. Yang Y, Zheng Y, Chen Z, Xu C. Raising New Hope for Controlling Seizures in Focal Cortical Dysplasia with Gene Therapy. Neurosci Bull 2024, 40(7): 1028–1030.

Fear [1–4]

1. Xie X, Gong S, Sun N, Zhu J, Xu X, Xu Y, Li X, Du Z, Liu X, Zhang J, Gong W, Si K. Contextual Fear Learning and Extinction in the Primary Visual Cortex of Mice. Neurosci Bull 2023, 39(1): 29–40.

2. Lin S, Zhu MY, Tang MY, Wang M, Yu XD, Zhu Y, Xie SZ, Yang D, Chen J, Li XM. Somatostatin-Positive Neurons in the Rostral Zona Incerta Modulate Innate Fear-Induced Defensive Response in Mice. Neurosci Bull 2023, 39(2): 245–260.

3. Zheng J, Wu X, Xu H. Oxytocinergic Control of a Hypothalamic Social Fear Circuitry. Neurosci Bull 2024, 40(9): 1399–1401.

4. Zheng J, Tian Z. Neurotransmitter Switching: A Novel Mechanism for Fear Generalization. Neurosci Bull 2024, 40(12): 2015–2018.

Genetic Studies [1–14]

1. Sun H, Xu X, Luo J, Ma T, Cui J, Liu M, Xiong B, Zhu S, Liu JY. Mechanisms of PiT2-loop7 Missense Mutations Induced Pi Dyshomeostasis. Neurosci Bull 2023, 39(1): 57–68.

2. Yu J, Li T, Chen K, Tang Q, Zhu J. Stereopure AIMer: A Promising RNA Base-editing Tool for Monogenic Neurological Diseases. Neurosci Bull 2023, 39(2): 353–355.

3. Bai Y, Ren H, Bian L, Zhou Y, Wang X, Xiong Z, Liu Z, Han B, Yao H. Regulation of Glial Function by Noncoding RNA in Central Nervous System Disease. Neurosci Bull 2023, 39(3): 440–452.

4. Liang C, Huo L, Zhu Y, Yao Z, Wu X, Liang J. The Q181X Point Mutation in Nf1 Induces Cerebral Vessel Stenosis. Neurosci Bull 2023, 39(5): 813–816.

5. Mi X, Chen L, Xie J, Song N. Linking Genetic Risks to Pathological α-Synuclein Transmission in Parkinson's Disease. Neurosci Bull 2023, 39(7): 1186–1188.

6. Xu D, Zhi Y, Liu X, Guan L, Yu J, Zhang D, Zhang W, Wang Y, Tao W, Xu Z. WDR62-deficiency Causes Autism-like Behaviors Independent of Microcephaly in Mice. Neurosci Bull 2023, 39(9): 1333–1347.

7. Yuan B, Wang M, Wu X, Cheng P, Zhang R, Zhang R, Yu S, Zhang J, Du Y, Wang X, Qiu Z. Identification of *de novo* Mutations in the Chinese Autism Spectrum Disorder Cohort *via* Whole-Exome Sequencing Unveils Brain Regions Implicated in Autism. Neurosci Bull 2023, 39(10): 1469–1480.

8. Li L, Liu Z. Genetic Approaches for Neural Circuits Dissection in Non-human Primates. Neurosci Bull 2023, 39(10): 1561–1576.

9. Song S, Yuan Y, Xu L, Jiang J, Li Y, Yan Y, Li Q, Zhou F, Cao J, Zhang L. Genetic Architecture and Functional Implications of the CSF-Contacting Nucleus. Neurosci Bull 2023, 39(11): 1638–

1654.

10. Pan Y, Li S, He S, Wang G, Li C, Liu Z, Xiang M. *Fgf8*$^{P2A\text{-}3\times GFP/+}$: A New Genetic Mouse Model for Specifically Labeling and Sorting Cochlear Inner Hair Cells. Neurosci Bull 2023, 39(12): 1762–1774.

11. Kong L, Chen Y, Shen Y, Zhang D, Wei C, Lai J, Hu S. Progress and Implications from Genetic Studies of Bipolar Disorder. Neurosci Bull 2024, 40(8): 1160–1172.

12. Cheng C, Zhu G, Wang K, Bu C, Li S, Qiu Y, Lu J, Ji X, Hao W, Wang J, Zhu C, Yang Y, Gu Y, Qian X, Yu C, Gao X. Deletion of Luzp2 Does Not Cause Hearing Loss in Mice. Neurosci Bull 2024, 40(10): 1519–1528.

13. Liu JW, Zhang ZQ, Zhu ZC, Li K, Xu Q, Zhang J, Cheng XW, Li H, Sun Y, Wang JJ, Hu LL, Xiong ZQ, Zhu Y. Loss of TET Activity in the Postnatal Mouse Brain Perturbs Synaptic Gene Expression and Impairs Cognitive Function. Neurosci Bull 2024, 40(11): 1699–1712.

14. Zhang L, Cheng Y, Xue Z, Wu S, Qiu Z, Jiang H. Comparative Molecular Taxonomics of Neuron in Cingulate Cortex of Rhesus Monkey and Mouse *via* Single-Nucleus RNA Sequencing. Neurosci Bull 2024, 40(11): 1751–1756.

Glia [1–39]

1. Mills WA, 3rd, Eyo UB. TREMble Before TREM2: The Mighty Microglial Receptor Conferring Neuroprotective Properties in TDP-43 Mediated Neurodegeneration. Neurosci Bull 2023, 39(1): 163–166.

2. Yang L, Zhang D, Zhang Q. Astrocyte-Mediated Myelin Phagocytosis in Ischemia. Neurosci Bull 2023, 39(1): 167–169.

3. Yang J, Xie S, Zhu S, Xu ZZ. Specialized Microglia Resolve Neuropathic Pain in the Spinal Cord. Neurosci Bull 2023, 39(1): 173–175.

4. Gong L, Gu Y, Han X, Luan C, Liu C, Wang X, Sun Y, Zheng M, Fang M, Yang S, Xu L, Sun H, Yu B, Gu X, Zhou S. Spatiotemporal Dynamics of the Molecular Expression Pattern and Intercellular Interactions in the Glial Scar Response to Spinal Cord Injury. Neurosci Bull 2023, 39(2): 213–244.

5. Liu C, Liu J, Shao J, Huang C, Dai X, Shen Y, Hou W, Shen Y, Yu Y. MAGED4B Promotes Glioma Progression *via* Inactivation of the TNF-α-induced Apoptotic Pathway by Down-regulating TRIM27 Expression. Neurosci Bull 2023, 39(2): 273–291.

6. He C, Duan S. Novel Insight into Glial Biology and Diseases. Neurosci Bull 2023, 39(3): 365–367.

7. Parusel S, Yi MH, Hunt CL, Wu LJ. Chemogenetic and Optogenetic Manipulations of Microglia in Chronic Pain. Neurosci Bull 2023, 39(3): 368–378.

8. Huang H, He W, Tang T, Qiu M. Immunological Markers for Central Nervous System Glia. Neurosci Bull 2023, 39(3): 379–392.

9. Zhuang Q, Yang H, Mao Y. The Oncogenesis of Glial Cells in Diffuse Gliomas and Clinical Opportunities. Neurosci Bull 2023, 39(3): 393–408.

10. Chen YH, Jin SY, Yang JM, Gao TM. The Memory Orchestra: Contribution of Astrocytes. Neurosci Bull 2023, 39(3): 409–424.

11. Lu HJ, Gao YJ. Astrocytes in Chronic Pain: Cellular and Molecular Mechanisms. Neurosci Bull 2023, 39(3): 425–439.

12. Bai Y, Ren H, Bian L, Zhou Y, Wang X, Xiong Z, Liu Z, Han B, Yao H. Regulation of Glial Function by Noncoding RNA in Central Nervous System Disease. Neurosci Bull 2023, 39(3): 440–452.

13. Yang Z, Yu Z, Xiao B. Coordinated Regulation of Myelination by Growth Factor and Amino-acid Signaling Pathways. Neurosci Bull 2023, 39(3): 453–465.

14. Sun Y, Yu H, Guan Y. Glia Connect Inflammation and Neurodegeneration in Multiple Sclerosis. Neurosci Bull 2023, 39(3): 466–478.

15. Wang R, Ren H, Kaznacheyeva E, Lu X, Wang G. Association of Glial Activation and α-Synuclein Pathology in Parkinson's Disease. Neurosci Bull 2023, 39(3): 479–490.

16. Zhang L, Wang Y, Liu T, Mao Y, Peng B. Novel Microglia-based Therapeutic Approaches to Neurodegenerative Disorders. Neurosci Bull 2023, 39(3): 491–502.

17. Yao D, Zhang R, Xie M, Ding F, Wang M, Wang W. Updated Understanding of the Glial-Vascular Unit in Central Nervous System Disorders. Neurosci Bull 2023, 39(3): 503–518.

18. He Y, Li Z, Shi X, Ding J, Wang X. Roles of NG2 Glia in Cerebral Small Vessel Disease. Neurosci Bull 2023, 39(3): 519–530.

19. Peng HR, Zhang YK, Zhou JW. The Structure and Function of Glial Networks: Beyond the Neuronal Connections. Neurosci Bull 2023, 39(3): 531–540.

20. Hu X, Yu G, Liao X, Xiao L. Interactions Between Astrocytes and Oligodendroglia in Myelin

Development and Related Brain Diseases. Neurosci Bull 2023, 39(3): 541–552.

21. Cao K, Hu Y, Gao Z. Sense to Tune: Engaging Microglia with Dynamic Neuronal Activity. Neurosci Bull 2023, 39(3): 553–556.

22. Sun J, Zheng Y, Hu J. Targeting Microglia with Adeno-associated Viruses. Neurosci Bull 2023, 39(5): 863–865.

23. Lin X, Huang Z, Wang Y. Neuronal Mechanisms Govern Glioblastoma Cell Invasion. Neurosci Bull 2023, 39(6): 1027–1030.

24. Li X, Zou S, Tu X, Hao S, Jiang T, Chen JG. Inhibition of Foxp4 Disrupts Cadherin-based Adhesion of Radial Glial Cells, Leading to Abnormal Differentiation and Migration of Cortical Neurons in Mice. Neurosci Bull 2023, 39(7): 1131–1145.

25. Tang Y, Zhang S, Xu C. Now We Can Tame the Wild West of Controlling Astrocytes for Treating Neocortical Epilepsy. Neurosci Bull 2023, 39(7): 1189–1190.

26. Ma Q, Su D, Huo J, Yin G, Dong D, Duan K, Cheng H, Xu H, Ma J, Liu D, Mou B, Peng J, Cheng L. Microglial Depletion Does not Affect the Laterality of Mechanical Allodynia in Mice. Neurosci Bull 2023, 39(8): 1229–1245.

27. Zhang Z, Shu X, Cao Q, Xu L, Wang Z, Li C, Xia S, Shao P, Bao X, Sun L, Xu Y, Xu Y. Compound from Magnolia officinalis Ameliorates White Matter Injury by Promoting Oligodendrocyte Maturation in Chronic Cerebral Ischemia Models. Neurosci Bull 2023, 39(10): 1497–1511.

28. Hong W, Gong P, Pan X, Ren Z, Liu Y, Qi G, Li JL, Sun W, Ge WP, Zhang CL, Duan S, Qin S. Temporal-spatial Generation of Astrocytes in the Developing Diencephalon. Neurosci Bull 2024, 40(1): 1–16.

29. Tang Y, Yin HY, Illes P. Prefrontocortical Astrocytes Regulate Dominance Hierarchy in Male Mice. Neurosci Bull 2024, 40(3): 415–417.

30. Li Y, Li L, Wang Y, Wang Y, Chen Z. Functional Changes in Astrocytes Lead to Cognitive Deficits After Social Deprivation. Neurosci Bull 2024, 40(4): 547–549.

31. Li Y, Li L, Wang Y, Li X, Chen Z. Norepinephrine-Astrocyte Signaling Regulates Cortical State Homeostasis. Neurosci Bull 2024, 40(7): 1021–1024.

32. Chen S, Liu YJ. Microglia Suppresses Breast Cancer Brain Metastasis *via* a Pro-inflammatory Response. Neurosci Bull 2024, 40(7): 1034–1036.

33. Chen M, Chu YH, Yu WX, You YF, Tang Y, Pang XW, Zhang H, Shang K, Deng G, Zhou LQ, Yang S, Wang W, Xiao J, Tian DS, Qin C. Serum LDL Promotes Microglial Activation and Exacerbates Demyelinating Injury in Neuromyelitis Optica Spectrum Disorder. Neurosci Bull 2024, 40(8): 1104–1114.

34. Deng L, Song SY, Zhao WM, Meng XW, Liu H, Zheng Q, Peng K, Ji FH. Triggering Receptor Expressed on Myeloid Cells 2 Alleviated Sevoflurane-Induced Developmental Neurotoxicity *via* Microglial Pruning of Dendritic Spines in the CA1 Region of the Hippocampus. Neurosci Bull 2024, 40(9): 1215–1229.

35. Liu L, Luo L, Wei JA, Xu X, So KF, Zhang L. Treadmill Exercise Reshapes Cortical Astrocytic and Neuronal Activity to Improve Motor Learning Deficits Under Chronic Alcohol Exposure. Neurosci Bull 2024, 40(9): 1287–1298.

36. Zhang N, Ma X, He X, Zhang Y, Guo X, Shen Z, Guo X, Zhang D, Tian S, Ma X, Xing Y. Inhibition of YIPF2 Improves the Vulnerability of Oligodendrocytes to Human Islet Amyloid Polypeptide. Neurosci Bull 2024, 40(10): 1403–1420.

37. Ma Z, Zhang W, Wang C, Su Y, Yi C, Niu J. A New Acquaintance of Oligodendrocyte Precursor Cells in the Central Nervous System. Neurosci Bull 2024, 40(10): 1573–1589.

38. VanderZwaag J, Tremblay M. A Neuronal Activity-Boosting Microglial Function in Post-

Anesthetic Emergence: How Microglial-Neuronal Crosstalk May Alter States of Consciousness. Neurosci Bull 2024, 40(10): 1590–1592.

39. He D, Shi X, Liang L, Zhao Y, Ma S, Cao S, Liu B, Gao Z, Zhang X, Fan Z, Kuang F, Zhang H. Microglial EPOR Contribute to Sevoflurane-induced Developmental Fine Motor Deficits Through Synaptic Pruning in Mice. Neurosci Bull 2024, 40(12): 1858–1874.

Ion Channel [1–5]

1. Shen Y, Luo Y, Liao P, Zuo Y, Jiang R. Role of the Voltage-Gated Proton Channel Hv1 in Nervous Systems. Neurosci Bull 2023, 39(7): 1157–1172.

2. Zhang X, Zhang Y, Su Q, Liu Y, Li Z, Yong VW, Xue M. Ion Channel Dysregulation Following Intracerebral Hemorrhage. Neurosci Bull 2024, 40(3): 401–414.

3. Fan WY, Chen YM, Wang YF, Wang YQ, Hu JQ, Tang WX, Feng Y, Cheng Q, Xue L. L-Type Calcium Channel Modulates Low-Intensity Pulsed Ultrasound-Induced Excitation in Cultured Hippocampal Neurons. Neurosci Bull 2024, 40(7): 921–936.

4. Wu L, Zhang D, Wu Y, Liu J, Jiang J, Zhou C. Sodium Leak Channel in Glutamatergic Neurons of the Lateral Parabrachial Nucleus Helps to Maintain Respiratory Frequency Under Sevoflurane Anesthesia. Neurosci Bull 2024, 40(8): 1127–1140.

5. Liu Y, Liu X, Shu Y, Yu Y. Progress of the Impact of Terahertz Radiation on Ion Channel Kinetics in Neuronal Cells. Neurosci Bull 2024, 40(12): 1960–1974.

Ischemia and Brain Injury [1–16]

1. Wang Y, Wang J, Zhang QF, Xiao KW, Wang L, Yu QP, Xie Q, Poo MM, Wen Y. Neural Mechanism Underlying Task-Specific Enhancement of Motor Learning by Concurrent Transcranial Direct Current Stimulation. Neurosci Bull 2023, 39(1): 69–82.

2. Zheng RZ, Qi ZX, Wang Z, Xu ZY, Wu XH, Mao Y. Clinical Decision on Disorders of Consciousness After Acquired Brain Injury: Stepping Forward. Neurosci Bull 2023, 39(1): 138–162.

3. Yang L, Zhang D, Zhang Q. Astrocyte-Mediated Myelin Phagocytosis in Ischemia. Neurosci Bull 2023, 39(1): 167–169.

4. Ke X, Deng M, Wu Z, Yu H, Yu D, Li H, Lu Y, Shu K, Pei L. miR-34b-3p Inhibition of eIF4E Causes Post-stroke Depression in Adult Mice. Neurosci Bull 2023, 39(2): 194–212.

5. Guo H, Li Y, Hou W, Cai Y. Brain Glycogen: An Angel or a Devil for Ischemic Stroke? Neurosci Bull 2023, 39(4): 690–694.

6. Xu J, Zhang W, Dong J, Cao L, Huang Z. A New Potential Strategy for Treatment of Ischemic Stroke: Targeting TRPM2-NMDAR Association. Neurosci Bull 2023, 39(4): 703–706.

7. Zhang Y, Zhao X, Guo C, Zhang Y, Zeng F, Yin Q, Li Z, Shao L, Zhou D, Liu L. The Circadian System Is Essential for the Crosstalk of VEGF-Notch-mediated Endothelial Angiogenesis in Ischemic Stroke. Neurosci Bull 2023, 39(9): 1375–1395.

8. Li CY, Jiang HF, Li L, Lai XJ, Liu QR, Yu SB, Yi CL, Chen XQ. Neuroglobin Facilitates Neuronal Oxygenation through Tropic Migration under Hypoxia or Anemia in Rat: How Does the Brain Breathe? Neurosci Bull 2023, 39(10): 1481–1496.

9. Zhang Z, Shu X, Cao Q, Xu L, Wang Z, Li C, Xia S, Shao P, Bao X, Sun L, Xu Y, Xu Y. Compound from Magnolia officinalis Ameliorates White Matter Injury by Promoting Oligodendrocyte

Maturation in Chronic Cerebral Ischemia Models. Neurosci Bull 2023, 39(10): 1497–1511.

10. Dai S, Feng Y, Lu C, Zhang H, Ma W, Xie W, Wu X, Luo P, Zhang L, Fei F, Fei Z, Li X. Impairment of Autophagic Flux After Hypobaric Hypoxia Potentiates Oxidative Stress and Cognitive Function Disturbances in Mice. Neurosci Bull 2024, 40(1): 35–49.

11. Liu F, Cheng X, Zhao C, Zhang X, Liu C, Zhong S, Liu Z, Lin X, Qiu W, Zhang X. Single-Cell Mapping of Brain Myeloid Cell Subsets Reveals Key Transcriptomic Changes Favoring Neuroplasticity after Ischemic Stroke. Neurosci Bull 2024, 40(1): 65–78.

12. Zhang X, Zhang Y, Su Q, Liu Y, Li Z, Yong VW, Xue M. Ion Channel Dysregulation Following Intracerebral Hemorrhage. Neurosci Bull 2024, 40(3): 401–414.

13. Khan S, Nasir A. Can NogoA Be a Suitable Target to Treat Ischemic Stroke? Neurosci Bull 2024, 40(4): 557–560.

14. Lu Y, Lin Z, Li M, Zhuang Y, Nie B, Lei J, Zhao Y, Zhao H. Three-phase Enriched Environment Improves Post-stroke Gait Dysfunction *via* Facilitating Neuronal Plasticity in the Bilateral Sensorimotor Cortex: A Multimodal MRI/PET Analysis in Rats. Neurosci Bull 2024, 40(6): 719–731.

15. Wang J, Yang L, Wu L, Li S, Ren C, Ding Y, Wei M, Ji X, Zhao W. Direct Ischemic Postconditioning Following Stroke Thrombectomy: A Promising Therapy for Reperfusion Injury. Neurosci Bull 2024, 40(7): 1017–1020.

16. Zong P, Li CX, Feng J, Cicchetti M, Yue L. TRP Channels in Stroke. Neurosci Bull 2024, 40(8): 1141–1159.

Learning and Memory [1–14]

1. Xie X, Gong S, Sun N, Zhu J, Xu X, Xu Y, Li X, Du Z, Liu X, Zhang J, Gong W, Si K. Contextual Fear Learning and Extinction in the Primary Visual Cortex of Mice. Neurosci Bull 2023, 39(1): 29–40.

2. Wang Y, Wang J, Zhang QF, Xiao KW, Wang L, Yu QP, Xie Q, Poo MM, Wen Y. Neural Mechanism Underlying Task-Specific Enhancement of Motor Learning by Concurrent Transcranial Direct Current Stimulation. Neurosci Bull 2023, 39(1): 69–82.

3. Yang L, Zhang Q. Infusion of Cerebrospinal Fluid from Young Mice Reverses Memory Loss in Aged Mice. Neurosci Bull 2023, 39(2): 359–361.

4. Chen YH, Jin SY, Yang JM, Gao TM. The Memory Orchestra: Contribution of Astrocytes. Neurosci Bull 2023, 39(3): 409–424.

5. Zhang H, Di X, Rypma B, Yang H, Meng C, Biswal B. Interaction Between Memory Load and Experimental Design on Brain Connectivity and Network Topology. Neurosci Bull 2023, 39(4): 631–644.

6. Qu Y, Zhou N, Zhang X, Li Y, Xu XF. Chromatin Remodeling Factor SMARCA5 is Essential for Hippocampal Memory Maintenance *via* Metabolic Pathways in Mice. Neurosci Bull 2023, 39(7): 1087–1104.

7. Hao Y, Shao L, Hou J, Zhang Y, Ma Y, Liu J, Xu C, Chen F, Cao LH, Ping Y. Resveratrol and Sir2 Reverse Sleep and Memory Defects Induced by Amyloid Precursor Protein. Neurosci Bull 2023, 39(7): 1117–1130.

8. Fan J, Zhou F, Zheng J, Xu H. Rapid Eye Movement Sleep Consolidates Social Memory. Neurosci Bull 2023, 39(10): 1598–1600.

9. Su M, Hu K, Liu W, Wu Y, Wang T, Cao C, Sun B, Zhan S, Ye Z. Theta Oscillations Support

Prefrontal-hippocampal Interactions in Sequential Working Memory. Neurosci Bull 2024, 40(2): 147–156.

10. Liu Y, Ye S, Li XN, Li WG. Memory Trace for Fear Extinction: Fragile yet Reinforceable. Neurosci Bull 2024, 40(6): 777–794.

11. Zhang Y, Xu C, Gu Y. Context Processing in Contextual and Cued Fear Extinction. Neurosci Bull 2024, 40(6): 835–839.

12. Zhong Z, Yan F, Xie C. Waking Up Brain with Electrical Stimulation to Boost Memory in Sleep: A Neuroscience Exploration. Neurosci Bull 2024, 40(6): 852–854.

13. Cui Y, Lu X, Kwon M, Chen N. Learning Improves Peripheral Vision *Via* Enhanced Cortico-Cortical Communications. Neurosci Bull 2024, 40(7): 1007–1011.

14. Ding M, Li D, Zhang J, Liu Q. TAF15 Overexpression Impairs Memory in Mice by Inhibiting the Transcription of Npas4. Neurosci Bull 2024, 40(12): 1937–1942.

Mental Disorders [1–29]

1. Wang T, Ma YN, Zhang CC, Liu X, Sun YX, Wang HL, Wang H, Zhong YH, Su YA, Li JT, Si TM. The Nucleus Accumbens CRH-CRHR1 System Mediates Early-Life Stress-Induced Sleep Disturbance and Dendritic Atrophy in the Adult Mouse. Neurosci Bull 2023, 39(1): 41–56.

2. Yin YN, Gao TM. Non-hallucinogenic Psychedelic Analog Design: A Promising Direction for Depression Treatment. Neurosci Bull 2023, 39(1): 170–172.

3. Ke X, Deng M, Wu Z, Yu H, Yu D, Li H, Lu Y, Shu K, Pei L. miR-34b-3p Inhibition of eIF4E Causes Post-stroke Depression in Adult Mice. Neurosci Bull 2023, 39(2): 194–212.

4. Yu N, Song H, Chu G, Zhan X, Liu B, Mu Y, Wang JZ, Lu Y. Basal Forebrain Cholinergic Innervation Induces Depression-Like Behaviors Through Ventral Subiculum Hyperactivation. Neurosci Bull 2023, 39(4): 617–630.

5. Zhu C, Zhang T, Li Q, Chen X, Wang K. Depression and Anxiety During the COVID-19 Pandemic: Epidemiology, Mechanism, and Treatment. Neurosci Bull 2023, 39(4): 675–684.

6. Yuan J, Zhang Y, Zhao Y, Gao K, Tan S, Zhang D. The Emotion-Regulation Benefits of Implicit Reappraisal in Clinical Depression: Behavioral and Electrophysiological Evidence. Neurosci Bull 2023, 39(6): 973–983.

7. Shi HJ, Wang S, Wang XP, Zhang RX, Zhu LJ. Hippocampus: Molecular, Cellular, and Circuit Features in Anxiety. Neurosci Bull 2023, 39(6): 1009–1026.

8. Chen Y, Zheng D, Wang H, Zhang S, Zhou Y, Ke X, Chen G. Lipocalin 2 in the Paraventricular Thalamic Nucleus Contributes to DSS-Induced Depressive-Like Behaviors. Neurosci Bull 2023, 39(8): 1263–1277.

9. Lv Q, Zeljic K, Zhao S, Zhang J, Zhang J, Wang Z. Dissecting Psychiatric Heterogeneity and Comorbidity with Core Region-Based Machine Learning. Neurosci Bull 2023, 39(8): 1309–1326.

10. Ye Q, Lin SS, Ulrich H, Tang Y. Decoupling SERT-nNOS Interaction to Generate Fast-Onset Antidepressants. Neurosci Bull 2023, 39(8): 1327–1329.

11. Wu F, Lu Q, Kong Y, Zhang Z. A Comprehensive Overview of the Role of Visual Cortex Malfunction in Depressive Disorders: Opportunities and Challenges. Neurosci Bull 2023, 39(9): 1426–1438.

12. Zhu LJ, Li F, Zhu DY. nNOS and Neurological, Neuropsychiatric Disorders: A 20-Year Story. Neurosci Bull 2023, 39(9): 1439–1453.

13. Guan W, Li B. Diverse Roles of Serotonergic Projections to the Basolateral Amygdala. Neurosci Bull 2023, 39(9): 1463–1465.

14. Qian F, Zhang X, Zhang B, Li J. Hyperactivity of the Lateral Septum Leads to Hypersensitivity in Susceptible Mice. Neurosci Bull 2023, 39(9): 1466–1468.

15. Zhu L, Zheng D, Li R, Shen CJ, Cai R, Lyu C, Tang B, Sun H, Wang X, Ding Y, Xu B, Jia G, Li X, Gao L, Li XM. Induction of Anxiety-Like Phenotypes by Knockdown of Cannabinoid Type-1 Receptors in the Amygdala of Marmosets. Neurosci Bull 2023, 39(11): 1669–1682.

16. Xue R, Li X, Chen J, Liang S, Yu H, Zhang Y, Wei W, Xu Y, Deng W, Guo W, Li T. Shared and Distinct Topographic Alterations of Alpha-Range Resting EEG Activity in Schizophrenia, Bipolar Disorder, and Depression. Neurosci Bull 2023, 39(12): 1887–1890.

17. Yan Y, Ma H, Zhao J. Propofol Brings on the Light for Depression Therapy. Neurosci Bull 2023, 39(12): 1891–1894.

18. Lin W, Yu X, Zhu X. Targeting the Central Histamine H_2 Receptor: New Hope for Schizophrenia? Neurosci Bull 2024, 40(1): 143–145.

19. Ma S, Chen T, Jia W, Liu J, Ding S, Li P, Gan H, Zhang D, Shao S, Poo MM, Zhao M, Sun B, Jiang J. Enhanced Beta2-band Oscillations Denote Auditory Hallucination in Schizophrenia

Patients and a Monkey Model of Psychosis. Neurosci Bull 2024, 40(3): 325–338.

20. Yang J, Guo H, Cai A, Zheng J, Liu J, Xiao Y, Ren S, Sun D, Duan J, Zhao T, Tang J, Zhang X, Zhu R, Wang J, Wang F. Aberrant Hippocampal Development in Early-onset Mental Disorders and Promising Interventions: Evidence from a Translational Study. Neurosci Bull 2024, 40(6): 683–694.

21. Wang X, Zheng W, Zhu Z, Xing B, Yan W, Zhu K, Xiao L, Yang C, Wei M, Yang L, Jin ZB, Bi X, Zhang C. *Timp1* Deletion Induces Anxiety-like Behavior in Mice. Neurosci Bull 2024, 40(6): 732–742.

22. An D, Zheng L, Xu Z, Zheng Y, Chen Z. Dopaminergic Remodeling During a Critical Developmental Window: Linking Drug Use to Adult Aggression. Neurosci Bull 2024, 40(6): 845–848.

23. Hu N, Long Q, Wang X, Li Q, Li Q, Chen A. Neural and Behavioral Measures of Stress-induced Impairment in Error Awareness and Post-error Adjustment. Neurosci Bull 2024, 40(7): 937–951.

24. Yin C, Luo K, Zhu X, Zheng R, Wang Y, Yu G, Wang X, She F, Chen X, Li T, Chen J, Bian B, Su Y, Niu J, Wang Y. Fluoxetine Rescues Excessive Myelin Formation and Psychological Behaviors in a Murine PTSD Model. Neurosci Bull 2024, 40(8): 1037–1052.

25. Kong L, Chen Y, Shen Y, Zhang D, Wei C, Lai J, Hu S. Progress and Implications from Genetic Studies of Bipolar Disorder. Neurosci Bull 2024, 40(8): 1160–1172.

26. Guo J, He C, Song H, Gao H, Yao S, Dong SS, Yang TL. Unveiling Promising Neuroimaging Biomarkers for Schizophrenia Through Clinical and Genetic Perspectives. Neurosci Bull 2024, 40(9): 1333–1352.

27. Meng X, Zhang S, Zhou S, Ma Y, Yu X, Guan L. Putative Risk Biomarkers of Bipolar Disorder in At-risk Youth. Neurosci Bull 2024, 40(10): 1557–1572.

28. Zhao S, Lv Q, Zhang G, Zhang J, Wang H, Zhang J, Wang M, Wang Z. Quantitative Expression of Latent Disease Factors in Individuals Associated with Psychopathology Dimensions and Treatment Response. Neurosci Bull 2024, 40(11): 1667–1680.

29. Zhang YD, Shi DD, Wang Z. Neurobiology of Obsessive-Compulsive Disorder from Genes to Circuits: Insights from Animal Models. Neurosci Bull 2024, 40(12): 1975–1994.

Myelin and Demyelination [1–6]

1. Yang Z, Yu Z, Xiao B. Coordinated Regulation of Myelination by Growth Factor and Amino-acid Signaling Pathways. Neurosci Bull 2023, 39(3): 453–465.

2. Hu X, Yu G, Liao X, Xiao L. Interactions Between Astrocytes and Oligodendroglia in Myelin Development and Related Brain Diseases. Neurosci Bull 2023, 39(3): 541–552.

3. Dong X, Zhang Z, Shu X, Zhuang Z, Liu P, Liu R, Xia S, Bao X, Xu Y, Chen Y. MFG-E8 Alleviates Cognitive Impairments Induced by Chronic Cerebral Hypoperfusion by Phagocytosing Myelin Debris and Promoting Remyelination. Neurosci Bull 2024, 40(4): 483–499.

4. Yin C, Luo K, Zhu X, Zheng R, Wang Y, Yu G, Wang X, She F, Chen X, Li T, Chen J, Bian B, Su Y, Niu J, Wang Y. Fluoxetine Rescues Excessive Myelin Formation and Psychological Behaviors in a Murine PTSD Model. Neurosci Bull 2024, 40(8): 1037–1052.

5. Qiu Y, Xie L, Wang X, Xu K, Bai X, Chen S, Sun Y. Abnormal Innervation, Demyelination, and Degeneration of Spiral Ganglion Neurons as Well as Disruption of Heminodes are Involved in the Onset of Deafness in Cx26 Null Mice. Neurosci Bull 2024, 40(8): 1093–1103.

6. Chen M, Chu YH, Yu WX, You YF, Tang Y, Pang XW, Zhang H, Shang K, Deng G, Zhou LQ, Yang S, Wang W, Xiao J, Tian DS, Qin C. Serum LDL Promotes Microglial Activation and Exacerbates Demyelinating Injury in Neuromyelitis Optica Spectrum Disorder. Neurosci Bull 2024, 40(8): 1104–1114.

Neural Plasticity [1–2]

1. Xu T, Wu Y, Zhang Y, Zuo XN, Chen F, Zhou C. Reshaping the Cortical Connectivity Gradient by Long-Term Cognitive Training During Development. Neurosci Bull 2024, 40(1): 50–64.

2. Qi Y, Zhao R, Tian J, Lu J, He M, Tai Y. Specific and Plastic: Chandelier Cell-to-Axon Initial Segment Connections in Shaping Functional Cortical Network. Neurosci Bull 2024, 40(11): 1774–1788.

Neurocircuitry [1–15]

1. Sun H, Wang G. Local Circuits in the Cerebellum Interact with Biochemical Events. Neurosci Bull 2023, 39(4): 710–712.

2. Shi DQ, Xu F, Bi GQ, Lau PM. Conserved Spatiotemporal Dynamics with Millisecond Precision During Reverberatory Activity in a Self-organized Neuronal Network. Neurosci Bull 2023, 39(5): 808–812.

3. Zhao ZD, Zhang L, Xiang X, Kim D, Li H, Cao P, Shen WL. Neurocircuitry of Predatory Hunting. Neurosci Bull 2023, 39(5): 817–831.

4. Wu Q, Zhang Y. Neural Circuit Mechanisms Involved in Animals' Detection of and Response to Visual Threats. Neurosci Bull 2023, 39(6): 994–1008.

5. Jun S, Ou X, Shi L, Yu H, Deng T, Chen J, Nie X, Hao Y, Shi Y, Liu W, Tian Y, Wang S, Yuan F. Circuit-Specific Control of Blood Pressure by PNMT-Expressing Nucleus Tractus Solitarii Neurons. Neurosci Bull 2023, 39(8): 1193–1209.

6. Wan X, Shen P, Shi K, Li J, Wu F, Zhou C. A Neural Circuit Controlling Virgin Female Aggression Induced by Mating-related Cues in *Drosophila*. Neurosci Bull 2023, 39(9): 1396–1410.

7. Kou ZQ, Chen CY, Abdurahman M, Weng XC, Hu C, Geng HY. The Claustrum Controls Motor Activity Through Anterior Cingulate Cortex Input and Local Circuit Synchronization in a Preparatory Manner. Neurosci Bull 2023, 39(10): 1591–1594.

8. Lu H, Cao P. Neural Mechanisms Underlying the Coughing Reflex. Neurosci Bull 2023, 39(12): 1823–1839.

9. Da X, Jiang X, Li L, Xu C, Chen Z. From Acupoints to Mylohyoid: Revealing the Neural Circuitry Basis of Electroacupuncture for Dysphagia. Neurosci Bull 2024, 40(1): 139–142.

10. Huang X, Tao Q, Ren C. A Comprehensive Overview of the Neural Mechanisms of Light Therapy. Neurosci Bull 2024, 40(3): 350–362.

11. Ahrens MB. Closing the Experiment-Modeling-Perturbation Loop in Whole-Brain Neuroscience. Neurosci Bull 2024, 40(8): 1212–1214.

12. Jiang S, Wu H. The Cerebellum Modulates Mood with Movement. Neurosci Bull 2024, 40(9): 1396–1398.

13. Li X, Du Y, Huang JF, Li WW, Song W, Fan RN, Zhou H, Jiang T, Lu CG, Guan Z, Wang XF, Gong H, Li XN, Li A, Fu L, Sun YG. Link Brain-Wide Projectome to Neuronal Dynamics in the Mouse Brain. Neurosci Bull 2024, 40(11): 1621–1634.

14. Shi Y, Yan J, Xu X, Qiu Z. Gating of Social Behavior by Inhibitory Inputs from Hippocampal CA1 to Retrosplenial Agranular Cortex. Neurosci Bull 2024, 40(11): 1635–1648.

15. Huang Y, Wang S, Wang Q, Zheng C, Yang F, Wei L, Zhou X, Wang Z. Glutamatergic Circuits in the Pedunculopontine Nucleus Modulate Multiple Motor Functions. Neurosci Bull 2024, 40(11): 1713–1731.

Neurodegeneration [1–45]

1. Xie JJ, Li XY, Dong Y, Chen C, Qu BY, Wang S, Xu H, Roe AW, Lai HY, Wu ZY. Local and Global Abnormalities in Pre-symptomatic Huntington's Disease Revealed by 7T Resting-state Functional MRI. Neurosci Bull 2023, 39(1): 94–98.

2. Huang P, Zhang M. Magnetic Resonance Imaging Studies of Neurodegenerative Disease: From Methods to Translational Research. Neurosci Bull 2023, 39(1): 99–112.

3. Costa HN, Esteves AR, Empadinhas N, Cardoso SM. Parkinson's Disease: A Multisystem Disorder. Neurosci Bull 2023, 39(1): 113–124.

4. Mills WA, 3rd, Eyo UB. TREMble Before TREM2: The Mighty Microglial Receptor Conferring Neuroprotective Properties in TDP-43 Mediated Neurodegeneration. Neurosci Bull 2023, 39(1): 163–166.

5. He CY, Tian DY, Chen SH, Jin WS, Cheng Y, Xin JY, Li WW, Zeng GH, Tan CR, Jian JM, Fan DY, Ren JR, Liu YH, Wang YJ, Zeng F. Elevated Levels of Naturally-Occurring Autoantibodies Against the Extracellular Domain of p75NTR Aggravate the Pathology of Alzheimer's Disease. Neurosci Bull 2023, 39(2): 261–272.

6. Sun Y, Yu H, Guan Y. Glia Connect Inflammation and Neurodegeneration in Multiple Sclerosis. Neurosci Bull 2023, 39(3): 466–478.

7. Wang R, Ren H, Kaznacheyeva E, Lu X, Wang G. Association of Glial Activation and α-Synuclein Pathology in Parkinson’s Disease. Neurosci Bull 2023, 39(3): 479–490.

8. Zhang L, Wang Y, Liu T, Mao Y, Peng B. Novel Microglia-based Therapeutic Approaches to Neurodegenerative Disorders. Neurosci Bull 2023, 39(3): 491–502.

9. Xu X, Sun H, Luo J, Cheng X, Lv W, Luo W, Chen WJ, Xiong ZQ, Liu JY. The Pathology of Primary Familial Brain Calcification: Implications for Treatment. Neurosci Bull 2023, 39(4): 659–

674.

10. Zhao H, Li Z, Liu Y, Zhang M, Li K. Mitochondrial Calcium Homeostasis in the Pathology and Therapeutic Application in Friedreich's Ataxia. Neurosci Bull 2023, 39(4): 695–698.

11. Han QQ, Le W. NLRP3 Inflammasome-Mediated Neuroinflammation and Related Mitochondrial Impairment in Parkinson's Disease. Neurosci Bull 2023, 39(5): 832–844.

12. Zhang W, Xu J, Dong J, Huang Z, Cao L. Acidification Deficiency of Autolysosomes Induces Neuronal Autophagic Amyloid-β Plaques in Alzheimer's Disease. Neurosci Bull 2023, 39(5): 873–876.

13. Chen C, Wei J, Ma X, Xia B, Shakir N, Zhang JK, Zhang L, Cui Y, Ferguson D, Qiu S, Bai F. Disrupted Maturation of Prefrontal Layer 5 Neuronal Circuits in an Alzheimer's Mouse Model of Amyloid Deposition. Neurosci Bull 2023, 39(6): 881–892.

14. Qin S, You P, Yu H, Su B. REEP1 Preserves Motor Function in SOD1(G93A) Mice by Improving Mitochondrial Function *via* Interaction with NDUFA4. Neurosci Bull 2023, 39(6): 929–946.

15. Hao Y, Shao L, Hou J, Zhang Y, Ma Y, Liu J, Xu C, Chen F, Cao LH, Ping Y. Resveratrol and Sir2 Reverse Sleep and Memory Defects Induced by Amyloid Precursor Protein. Neurosci Bull 2023, 39(7): 1117–1130.

16. Xiong J, Zhang Z, Ye K. C/EBPβ/AEP Signaling Drives Alzheimer's Disease Pathogenesis. Neurosci Bull 2023, 39(7): 1173–1185.

17. Mi X, Chen L, Xie J, Song N. Linking Genetic Risks to Pathological α-Synuclein Transmission in Parkinson's Disease. Neurosci Bull 2023, 39(7): 1186–1188.

18. Cai W, Li L, Sang S, Pan X, Zhong C. Physiological Roles of β-amyloid in Regulating Synaptic Function: Implications for AD Pathophysiology. Neurosci Bull 2023, 39(8): 1289–1308.

19. Sun R, Xie C. Peripheral ApoE4 Leads to Cerebrovascular Dysfunction and Aβ Deposition in Alzheimer's Disease. Neurosci Bull 2023, 39(8): 1330–1332.

20. Liu K, Song M, Gao S, Yao L, Zhang L, Feng J, Wang L, Gao R, Wang Y. The Dynamics of Dopamine D_2 Receptor-Expressing Striatal Neurons and the Downstream Circuit Underlying L-Dopa-Induced Dyskinesia in Rats. Neurosci Bull 2023, 39(9): 1411–1425.

21. Qu Y, Wang P, Yao H, Wang D, Song C, Yang H, Zhang Z, Chen P, Kang X, Du K, Fan L, Zhou B, Han T, Yu C, Zhang X, Zuo N, Jiang T, Zhou Y, Liu B, Han Y, Lu J, Liu Y. Reproducible Abnormalities and Diagnostic Generalizability of White Matter in Alzheimer's Disease. Neurosci Bull 2023, 39(10): 1533–1543.

22. Song C, Zhao Y, Zhang J, Dong Z, Kang X, Pan Y, Du J, Gao Y, Zhang H, Xi Y, Ding H, Kuang F, Wang W, Luo C, Zhang Z, Zhao Q, Yang J, Jiang W, Wu S, Gao F. Spatial Distribution of Parvalbumin-Positive Fibers in the Mouse Brain and Their Alterations in Mouse Models of Temporal Lobe Epilepsy and Parkinson’s Disease. Neurosci Bull 2023, 39(11): 1683–1702.

23. Gu Y, Ge S. Hypothalamic-Modified New Hippocampal Neurons for Alzheimer’s Disease. Neurosci Bull 2023, 39(11): 1735–1737.

24. Yue W, Tang CW, Fang Y. PIKFYVE Inhibition, A Neuronal “Emetic” for Treating ALS? Neurosci Bull 2023, 39(11): 1738–1740.

25. Liu ZH, Bai YD, Yu ZY, Li HY, Liu J, Tan CR, Zeng GH, Tu YF, Sun PY, Jia YJ, He JC, Wang YJ, Bu XL. Improving Blood Monocyte Energy Metabolism Enhances Its Ability to Phagocytose Amyloid-β and Prevents Alzheimer's Disease-Type Pathology and Cognitive Deficits. Neurosci Bull 2023, 39(12): 1775–1788.

26. Liu Y, Wang Z, Wei T, Zhou S, Yin Y, Mi Y, Liu X, Tang Y. Alterations of Audiovisual Integration in Alzheimer's Disease. Neurosci Bull 2023, 39(12): 1859–1872.

27. Qu S, Hu S, Xu H, Wu Y, Ming S, Zhan X, Wang C, Huang X. TREM-2 Drives Development of Multiple Sclerosis by Promoting Pathogenic Th17 Polarization. Neurosci Bull 2024, 40(1): 17–34.

28. Zhu Y, Huang H, Chen Z, Tao Y, Liao LY, Gao SH, Wang YJ, Gao CY. Intermittent Theta Burst Stimulation Attenuates Cognitive Deficits and Alzheimer's Disease-Type Pathologies *via* ISCA1-Mediated Mitochondrial Modulation in APP/PS1 Mice. Neurosci Bull 2024, 40(2): 182–200.

29. Li F, Wu C, Wang G. Targeting NAD Metabolism for the Therapy of Age-Related Neurodegenerative Diseases. Neurosci Bull 2024, 40(2): 218–240.

30. Hu C, Yan Y, Jin Y, Yang J, Xi Y, Zhong Z. Decoding the Cellular Trafficking of Prion-like Proteins in Neurodegenerative Diseases. Neurosci Bull 2024, 40(2): 241–254.

31. Yang YN, Zhang MQ, Yu FL, Bing H, Bao MY, Yan H, Li X, Zhang Y. Peroxisome Proliferator-Activated Receptor-γ Coactivator-1α in the Spotlight with Multiple Sclerosis. Neurosci Bull 2024, 40(2): 268–272.

32. Zhang WY, Lin S. A Spleen Tyrosine Kinase's Sky in Neuronal Degeneration. Neurosci Bull 2024, 40(2): 273–276.

33. Lan Y, Han X, Huang F, Shi H, Wu H, Yang L, Hu Z, Wu X. Early Growth Response Gene-1 Deficiency Interrupts TGFβ1 Signaling Activation and Aggravates Neurodegeneration in Experimental Autoimmune Encephalomyelitis Mice. Neurosci Bull 2024, 40(3): 283–292.

34. Duan WX, Wang F, Liu JY, Liu CF. Relationship Between Short-chain Fatty Acids and Parkinson's Disease: A Review from Pathology to Clinic. Neurosci Bull 2024, 40(4): 500–516.

35. Jia Y, Qiao X, Zhao J, Li H, Hu S, Hu M. Disease Burden and Costs Associated with Multiple Sclerosis in China: A Cross-sectional Analysis of Nationwide Survey Data. Neurosci Bull 2024, 40(4): 533–538.

36. Dong Y, Tang L. Microglial Calcium Homeostasis Modulator 2: Novel Anti-neuroinflammation Target for the Treatment of Neurodegenerative Diseases. Neurosci Bull 2024, 40(4): 553–556.

37. Niu J, Zhong Y, Jin C, Cen P, Wang J, Cui C, Xue L, Cui X, Tian M, Zhang H. Positron Emission Tomography Imaging of Synaptic Dysfunction in Parkinson's Disease. Neurosci Bull 2024, 40(6): 743–758.

38. Ku Y. The Mystery 40 Hz: Unraveling the Efficacy of Rhythmic Stimulation in Alzheimer's Disease. Neurosci Bull 2024, 40(6): 831–834.

39. Zhang J, Chen Y, Zhao Y, Wang P, Ding H, Liu C, Lyu J, Le W. Terahertz Irradiation Improves Cognitive Impairments and Attenuates Alzheimer's Neuropathology in the APP(SWE)/PS1(DE9) Mouse: A Novel Therapeutic Intervention for Alzheimer's Disease. Neurosci Bull 2024, 40(7): 857–871.

40. Fu H, Li J, Zhang C, Du P, Gao G, Ge Q, Guan X, Cui D. Aβ-Aggregation-Generated Blue Autofluorescence Illuminates Senile Plaques as well as Complex Blood and Vascular Pathologies in Alzheimer's Disease. Neurosci Bull 2024, 40(8): 1115–1126.

41. Kang X, Wang D, Lin J, Yao H, Zhao K, Song C, Chen P, Qu Y, Yang H, Zhang Z, Zhou B, Han T, Liao Z, Chen Y, Lu J, Yu C, Wang P, Zhang X, Li M, Zhang X, Jiang T, Zhou Y, Liu B, Han Y, Liu Y. Convergent Neuroimaging and Molecular Signatures in Mild Cognitive Impairment and Alzheimer's Disease: A Data-Driven Meta-Analysis with N = 3,118. Neurosci Bull 2024, 40(9): 1274–1286.

42. Liu HK, Hao HL, You H, Feng F, Qi XH, Huang XY, Hou B, Tian CG, Wang H, Yang HM, Wang J, Wu R, Fang H, Zhou JN, Zhang JG, Zhang ZX. A Cysteinyl-tRNA Synthetase Mutation Causes Novel Autosomal-Dominant Inheritance of a Parkinsonism/Spinocerebellar-Ataxia Complex. Neurosci Bull 2024, 40(10): 1489–1501.

43. Zhang H, Su Y, Qu Z, Zhang C, Ma S, Li X, Wang Y. Sonic Hedgehog Mediates High Frequency-

Dependent Deep Brain Stimulation for the Correction of Motor Deficits in a Parkinson's Disease Model. Neurosci Bull 2024, 40(11): 1732–1738.

44. Luan T, Li Q, Huang Z, Feng Y, Xu D, Zhou Y, Hu Y, Wang T. Axonopathy Underlying Amyotrophic Lateral Sclerosis: Unraveling Complex Pathways and Therapeutic Insights. Neurosci Bull 2024, 40(11): 1789–1810.

45. Pang MZ, Li HX, Dai XQ, Wang XB, Liu JY, Shen Y, Xu X, Zhong ZM, Wang H, Liu CF, Wang F. Melatonin Ameliorates Abnormal Sleep-Wake Behavior *via* Facilitating Lipid Metabolism in a Zebrafish Model of Parkinson's Disease. Neurosci Bull 2024, 40(12): 1901–1914.

Neurodevelopment, Neurogenesis [1–16]

1. Yu X, Xu X. Potential Effects of the COVID-19 Pandemic on the Developing Brain. Neurosci Bull 2023, 39(2): 343–347.

2. Wei Y, Zhang H, Liu Y. Charting Normative Brain Variability Across the Human Lifespan. Neurosci Bull 2023, 39(2): 362–364.

3. Ge M, Sheikhshahrokh A, Shi X, Zhang YH, Xu Z, Wu QF. A Spacetime Odyssey of Neural Progenitors to Generate Neuronal Diversity. Neurosci Bull 2023, 39(4): 645–658.

4. Zhou F, Zheng J, Xu H. Lighting up Oxytocin Neurons to Nurture the Brain. Neurosci Bull 2023, 39(5): 866–868.

5. Li X, Zou S, Tu X, Hao S, Jiang T, Chen JG. Inhibition of Foxp4 Disrupts Cadherin-based Adhesion of Radial Glial Cells, Leading to Abnormal Differentiation and Migration of Cortical Neurons in Mice. Neurosci Bull 2023, 39(7): 1131–1145.

6. Zhang M, Zhang Y, Xu Q, Crawford J, Qian C, Wang GH, Qian J, Dong XZ, Pletnikov MV, Liu CM, Zhou FQ. Neuronal Histone Methyltransferase EZH2 Regulates Neuronal Morphogenesis, Synaptic Plasticity, and Cognitive Behavior in Mice. Neurosci Bull 2023, 39(10): 1512–1532.

7. Li Y, Zeng PM, Wu J, Luo ZG. Advances and Applications of Brain Organoids. Neurosci Bull 2023, 39(11): 1703–1716.

8. Yang A, Qiu M, Xu X. Evolution of the Nervous System Extrapolated from Ctenophore and the Resurrection of Golgi's Reticular Theory? Neurosci Bull 2023, 39(12): 1895–1897.

9. Hong W, Gong P, Pan X, Ren Z, Liu Y, Qi G, Li JL, Sun W, Ge WP, Zhang CL, Duan S, Qin S. Temporal-spatial Generation of Astrocytes in the Developing Diencephalon. Neurosci Bull 2024, 40(1): 1–16.

10. Qi J, Huang W, Lu Y, Yang X, Zhou Y, Chen T, Wang X, Yu Y, Sun JQ, Chai R. Stem Cell-Based Hair Cell Regeneration and Therapy in the Inner Ear. Neurosci Bull 2024, 40(1): 113–126.

11. Graham JH, Schlachetzki JCM, Yang X, Breuss MW. Genomic Mosaicism of the Brain: Origin, Impact, and Utility. Neurosci Bull 2024, 40(6): 759–776.

12. Huang J, Wu J. Chimeric Monkey Born Alive with a High Contribution of Donor Cells. Neurosci Bull 2024, 40(6): 849–851.

13. Ye Y, Jin B, Zhang HW, Sheng N. Strategies for Dissecting the Genetic Driving of Conserved Noncoding-Elements for Evolutionary Development of the Corpus Callosum. Neurosci Bull 2024, 40(7): 1025–1027.

14. Ren Z, Tang H, Zhang W, Guo M, Cui J, Wang H, Xie B, Yu J, Chen Y, Zhang M, Han C, Chu T, Liang Q, Zhao S, Huang Y, He X, Liu K, Liu C, Chen C. The Role of KDM2A and H3K36me2 Demethylation in Modulating MAPK Signaling During Neurodevelopment. Neurosci Bull 2024, 40(8): 1076–1092.

15. Liu JW, Zhang ZQ, Zhu ZC, Li K, Xu Q, Zhang J, Cheng XW, Li H, Sun Y, Wang JJ, Hu LL, Xiong ZQ, Zhu Y. Loss of TET Activity in the Postnatal Mouse Brain Perturbs Synaptic Gene Expression and Impairs Cognitive Function. Neurosci Bull 2024, 40(11): 1699–1712.

16. Luo Y, Wu W, Gao Z. Unlocking the Mysteries of the Subcommissural Organ: A Patron Saint of Neuronal Development. Neurosci Bull 2024, 40(12): 2012–2014.

Neuroendocrine [1–1]

1. Pan G, Zhao B, Zhang M, Guo Y, Yan Y, Dai D, Zhang X, Yang H, Ni J, Huang Z, Li X, Duan S. Nucleus Accumbens Corticotropin-Releasing Hormone Neurons Projecting to the Bed Nucleus of the Stria Terminalis Promote Wakefulness and Positive Affective State. Neurosci Bull 2024, 40(11): 1602–1620.

Neurotransmission [1–11]

1. Shang Z, Huang J, Liu N, Zhang X. Bi-directional Control of Synaptic Input Summation and Spike Generation by GABAergic Inputs at the Axon Initial Segment. Neurosci Bull 2023, 39(1): 1–13.

2. Wang X, Shu Z, He Q, Zhang X, Li L, Zhang X, Li L, Xiao Y, Peng B, Guo F, Wang DH, Shu Y. Functional Autapses Form in Striatal Parvalbumin Interneurons but not Medium Spiny Projection Neurons. Neurosci Bull 2023, 39(4): 576–588.

3. Li XW, Ren Y, Shi DQ, Qi L, Xu F, Xiao Y, Lau PM, Bi GQ. Biphasic Cholinergic Modulation of Reverberatory Activity in Neuronal Networks. Neurosci Bull 2023, 39(5): 731–744.

4. Hu A, Zhao R, Ren B, Li Y, Lu J, Tai Y. Projection-Specific Heterogeneity of the Axon Initial Segment of Pyramidal Neurons in the Prelimbic Cortex. Neurosci Bull 2023, 39(7): 1050–1068.

5. Jiang M, Xu Q, Yang C, Li D, Liu JW, Zhang Y, Zhu YC, Xiong ZQ. Activity-Dependent Phosphorylation of CDKL5 at Serine 407 Regulates Synaptogenesis and Plasticity. Neurosci Bull 2023, 39(9): 1454–1458.

6. Chen Y, Xiao L, Qiu J. Neuronomodulation of Excitable Neurons. Neurosci Bull 2024, 40(1): 103–112.

7. Chen D, Yuan Y, Huang Z, Wang Y. LH-Nts Neurons Regulate VTA Calcium Dynamics *Via* Releasing GABA and Nts. Neurosci Bull 2024, 40(4): 550–552.

8. Chen JH, Tang AH. Nanoscale Reorganization of Glutamate Receptors Underlies Synaptic Plasticity and Pathology. Neurosci Bull 2024, 40(6): 840–844.

9. Wang X, Lin D, Jiang J, Liu Y, Dong X, Fan J, Gong L, Shen W, Zeng L, Xu T, Jiang K, Connor SA, Xie Y. MDGA2 Constrains Glutamatergic Inputs Selectively onto CA1 Pyramidal Neurons to Optimize Neural Circuits for Plasticity, Memory, and Social Behavior. Neurosci Bull 2024, 40(7):

887–904.

10. Gong R, Qin L, Chen L, Wang N, Bao Y, Lu W. Myosin Va-dependent Transport of NMDA Receptors in Hippocampal Neurons. Neurosci Bull 2024, 40(8): 1053–1075.

11. Ji E, Zhang Y, Li Z, Wei L, Wu Z, Li Y, Yu X, Song TJ. The Chemokine CCL2 Promotes Excitatory Synaptic Transmission in Hippocampal Neurons *via* GluA1 Subunit Trafficking. Neurosci Bull 2024, 40(11): 1649–1666.

Other Diseases [1–12]

1. Sun H, Xu X, Luo J, Ma T, Cui J, Liu M, Xiong B, Zhu S, Liu JY. Mechanisms of PiT2-loop7 Missense Mutations Induced Pi Dyshomeostasis. Neurosci Bull 2023, 39(1): 57–68.

2. He Y, Li Z, Shi X, Ding J, Wang X. Roles of NG2 Glia in Cerebral Small Vessel Disease. Neurosci Bull 2023, 39(3): 519–530.

3. Liang C, Huo L, Zhu Y, Yao Z, Wu X, Liang J. The Q181X Point Mutation in Nf1 Induces Cerebral Vessel Stenosis. Neurosci Bull 2023, 39(5): 813–816.

4. Wu C, Liu TC, Duan R, Yang L. Photobiomodulation: A Potential Non-invasive Method to Alleviate Neurological Events Following COVID-19 Infection. Neurosci Bull 2023, 39(10): 1595–1597.

5. Ni B, Yin Y, Li Z, Wang J, Wang X, Wang K. Crosstalk Between Peripheral Innervation and Pancreatic Ductal Adenocarcinoma. Neurosci Bull 2023, 39(11): 1717–1731.

6. Xu Z, Wang H, Jiang S, Teng J, Zhou D, Chen Z, Wen C, Xu Z. Brain Pathology in COVID-19: Clinical Manifestations and Potential Mechanisms. Neurosci Bull 2024, 40(3): 383–400.

7. Gao F, Hu H. Nociceptors and Macrophages in Bacterial Meningitis: Partners in Crime? Neurosci Bull 2024, 40(3): 418–420.

8. Li H, Cao X, Gu X, Dong M, Huang L, Mao C, Xia S, Yang H, Bao X, Yang Y, Xu Y. GM-CSF Promotes the Development of Dysfunctional Vascular Networks in Moyamoya Disease. Neurosci Bull 2024, 40(4): 451–465.

9. Li X, Wang M, Gao X, Li C, Chen C, Qi Y, Wan Y, Yu W. Knockdown of SIRT2 Rescues YARS-induced Charcot-Marie-Tooth Neuropathy in Drosophila. Neurosci Bull 2024, 40(4): 539–543.

10. Xu JJ, Li HF, Wu ZY. Paroxysmal Kinesigenic Dyskinesia: Genetics and Pathophysiological

Mechanisms. Neurosci Bull 2024, 40(7): 952–962.

11. Chen J, Lin M, Shi N, Shen J, Weng X, Pang F, Liang J. Altered Cortical Information Interaction During Respiratory Events in Children with Obstructive Sleep Apnea-Hypopnea Syndrome. Neurosci Bull 2024, 40(10): 1458–1470.

12. Zhao J, Yang Y, Qin J, Tao S, Jiang C, Huang H, Wan Q, Chen Y, Xu S, Qiao H. Transcutaneous Auricular Vagus Nerve Stimulation Ameliorates Preeclampsia-Induced Apoptosis of Placental Trophoblastic Cells *Via* Inhibiting the Mitochondrial Unfolded Protein Response. Neurosci Bull 2024, 40(10): 1502–1518.

Pain and Itch [1–31]

1. Ju P, Zhao D, Zhu C, Zheng Y, Peng S, Wu H, Yang B, Yi Z, Yuan T, Chen J. Deep Transcranial Magnetic Stimulation as a Potential Approach for Digital Pain Management in Patients with Psychotic Disorder. Neurosci Bull 2023, 39(1): 89–93.

2. Yang J, Xie S, Zhu S, Xu ZZ. Specialized Microglia Resolve Neuropathic Pain in the Spinal Cord. Neurosci Bull 2023, 39(1): 173–175.

3. Pu S, Wu Y, Tong F, Du WJ, Liu S, Yang H, Zhang C, Zhou B, Chen Z, Zhou X, Han Q, Du D. Mechanosensitive Ion Channel TMEM63A Gangs Up with Local Macrophages to Modulate Chronic Post-amputation Pain. Neurosci Bull 2023, 39(2): 177–193.

4. Parusel S, Yi MH, Hunt CL, Wu LJ. Chemogenetic and Optogenetic Manipulations of Microglia in Chronic Pain. Neurosci Bull 2023, 39(3): 368–378.

5. Lu HJ, Gao YJ. Astrocytes in Chronic Pain: Cellular and Molecular Mechanisms. Neurosci Bull 2023, 39(3): 425–439.

6. Pan W, Huang X, Yu Z, Ding Q, Xia L, Hua J, Gu B, Xiong Q, Yu H, Wang J, Xu Z, Zeng L, Bai G, Liu H. Netrin-3 Suppresses Diabetic Neuropathic Pain by Gating the Intra-epidermal Sprouting of Sensory Axons. Neurosci Bull 2023, 39(5): 745–758.

7. Yan Y, Zhu M, Cao X, Xu G, Shen W, Li F, Zhang J, Luo L, Zhang X, Zhang D, Liu T. Thalamocortical Circuit Controls Neuropathic Pain *via* Up-regulation of HCN2 in the Ventral Posterolateral Thalamus. Neurosci Bull 2023, 39(5): 774–792.

8. Zhang TT, Guo SS, Wang HY, Jing Q, Yi X, Hu ZH, Yu XR, Xu TL, Liu MG, Zhao X. An Anterior Cingulate Cortex-to-Midbrain Projection Controls Chronic Itch in Mice. Neurosci Bull 2023, 39(5): 793–807.

9. Lin L, Xue X, Huang Z, Wang Y. Sodium-Calcium Exchanger-3 Plays Critical Roles in Pain "Wind-up". Neurosci Bull 2023, 39(5): 869–872.

10. Xu T, Li ZY, Liu M, Zhang SB, Ding HH, Wu JY, Lin SY, Liu J, Wei JY, Zhang XQ, Xin WJ. CircFhit Modulates GABAergic Synaptic Transmission *via* Regulating the Parental Gene Fhit Expression in the Spinal Dorsal Horn in a Rat Model of Neuropathic Pain. Neurosci Bull 2023, 39(6): 947–961.

11. Zhuravlev M, Novikov M, Parsamyan R, Selskii A, Runnova A. The Objective Assessment of Event-Related Potentials: An Influence of Chronic Pain on ERP Parameters. Neurosci Bull 2023, 39(7): 1105–1116.

12. Du F, Yin G, Han L, Liu X, Dong D, Duan K, Huo J, Sun Y, Cheng L. Targeting Peripheral μ-opioid Receptors or μ-opioid Receptor-Expressing Neurons Does not Prevent Morphine-induced Mechanical Allodynia and Anti-allodynic Tolerance. Neurosci Bull 2023, 39(8): 1210–1228.

13. Ma Q, Su D, Huo J, Yin G, Dong D, Duan K, Cheng H, Xu H, Ma J, Liu D, Mou B, Peng J, Cheng L. Microglial Depletion Does not Affect the Laterality of Mechanical Allodynia in Mice. Neurosci Bull 2023, 39(8): 1229–1245.

14. Zhang M, Li C, Xue Q, Lu CB, Zhao H, Meng FC, Zhang Y, Wu SX, Zhang Y, Xu H. Activation of Cannabinoid Receptor 1 in GABAergic Neurons in the Rostral Anterior Insular Cortex Contributes to the Analgesia Following Common Peroneal Nerve Ligation. Neurosci Bull 2023, 39(9): 1348–1362.

15. Lückemeyer DD, Xie W, Prudente AS, Qualls KA, Tonello R, Strong JA, Berta T, Zhang JM. The Antinociceptive Effect of Sympathetic Block is Mediated by Transforming Growth Factor β in a Mouse Model of Radiculopathy. Neurosci Bull 2023, 39(9): 1363–1374.

16. Yu Y, Li YC, Zhang FC, Xu GY. Enterochromaffin Cell: Friend or Foe for Human Health? Neurosci Bull 2023, 39(11): 1732–1734.

17. Xian H, Guo H, Liu YY, Zhang JL, Hu WC, Yu MJ, Zhao R, Xie RG, Zhang H, Cong R. Peripheral BDNF Regulates Somatosensory-Sympathetic Coupling in Brachial Plexus Avulsion-Induced Neuropathic Pain. Neurosci Bull 2023, 39(12): 1789–1806.

18. Yao J, Li X, Wu GY, Wu B, Long JH, Wang PJ, Liu SL, Gao J, Sui JF. The Anterior Insula and its Projection to the Prelimbic Cortex are Involved in the Regulation of 5-HT-Induced Itch. Neurosci Bull 2023, 39(12): 1807–1822.

19. Pang C, Zhou Y, Han S. Temporal Unfolding of Racial Ingroup Bias in Neural Responses to Perceived Dynamic Pain in Others. Neurosci Bull 2024, 40(2): 157–170.

20. Wang Y, Liu N, Ma L, Yue L, Cui S, Liu FY, Yi M, Wan Y. Ventral Hippocampal CA1 Pyramidal Neurons Encode Nociceptive Information. Neurosci Bull 2024, 40(2): 201–217.

21. Cao DL, Ma LJ, Jiang BC, Gu Q, Gao YJ. Cytochrome P450 26A1 Contributes to the Maintenance of Neuropathic Pain. Neurosci Bull 2024, 40(3): 293–309.

22. Gao F, Hu H. Nociceptors and Macrophages in Bacterial Meningitis: Partners in Crime? Neurosci Bull 2024, 40(3): 418–420.

23. Zhang S, Chen Y, Wang Y, Wang H, Yao D, Chen G. Tau Accumulation in the Spinal Cord Contributes to Chronic Inflammatory Pain by Upregulation of IL-1β and BDNF. Neurosci Bull 2024, 40(4): 466–482.

24. Zhan D, Zhang J, Su S, Ren X, Zhao S, Zang W, Cao J. TET1 Participates in Complete Freund's Adjuvant-induced Trigeminal Inflammatory Pain by Regulating Kv7.2 in a Mouse Model. Neurosci Bull 2024, 40(6): 707–718.

25. Yang Y, Yang W, Zhang R, Wang Y. Peripheral Mechanism of Cancer-Induced Bone Pain. Neurosci Bull 2024, 40(6): 815–830.

26. Ma L, Yue L, Liu S, Zhang Y, Zhang M, Cui S, Liu FY, Yi M, Wan Y. Dynamic Changes of the

Infralimbic Cortex and Its Regulation of the Prelimbic Cortex in Rats with Chronic Inflammatory Pain. Neurosci Bull 2024, 40(7): 872–886.

27. Yu WL, Zamponi GW. Epitranscriptomic Regulation of NMDA Receptors Rears its Ugly Head in Chemotherapy-Induced Neuropathic Pain. Neurosci Bull 2024, 40(8): 1209–1211.

28. Li D, Du H, Qu ST, Wu JL, Li YC, Xu QY, Chen X, Dai XX, Xu JT, Wang Q, Xu GY. Thalamic Nucleus Reuniens Glutamatergic Neurons Mediate Colorectal Visceral Pain in Mice *via* 5-HT(2B) Receptors. Neurosci Bull 2024, 40(10): 1421–1433.

29. Yin XS, Chen BR, Ye XC, Wang Y. Modulating the Pronociceptive Effect of Sleep Deprivation: A Possible Role for Cholinergic Neurons in the Medial Habenula. Neurosci Bull 2024, 40(12): 1811–1825.

30. Cheng Y, Chen X, Yan J, Zhang L, Jiang H. Single-Nucleus Transcriptomic Taxonomy of Multiple Sevoflurane-Induced Cell Type Specificity in the Hippocampus of Juvenile Non-human Primates. Neurosci Bull 2024, 40(12): 1943–1949.

31. Hu Y, Wang Y, Zhang L, Luo M, Wang Y. Neural Network Mechanisms Underlying General Anesthesia: Cortical and Subcortical Nuclei. Neurosci Bull 2024, 40(12): 1995–2011.

Physiology [1–2]

1. Cao JW, Mao XY, Zhu L, Zhou ZS, Jiang SN, Liu LY, Zhang SQ, Fu Y, Xu WD, Yu YC. Correlation Analysis of Molecularly-Defined Cortical Interneuron Populations with Morpho-Electric Properties in Layer V of Mouse Neocortex. Neurosci Bull 2023, 39(7): 1069–1086.

2. Jun S, Ou X, Shi L, Yu H, Deng T, Chen J, Nie X, Hao Y, Shi Y, Liu W, Tian Y, Wang S, Yuan F. Circuit-Specific Control of Blood Pressure by PNMT-Expressing Nucleus Tractus Solitarii Neurons. Neurosci Bull 2023, 39(8): 1193–1209.

Purinergic Signaling [1–1]

1. Cherninskyi A, Storozhuk M, Maximyuk O, Kulyk V, Krishtal O. Triggering of Major Brain Disorders by Protons and ATP: The Role of ASICs and P2X Receptors. Neurosci Bull 2023, 39(5): 845–862.

Respiration [1–1]

1. Goheen J, Anderson JAE, Zhang J, Northoff G. From Lung to Brain: Respiration Modulates Neural and Mental Activity. Neurosci Bull 2023, 39(10): 1577–1590.

Sensory Processing (Vision, Audition, Mechanosensation, and Thermosensation) [1–26]

1. Zhou L, Gu Y. Cortical Mechanisms of Multisensory Linear Self-motion Perception. Neurosci Bull 2023, 39(1): 125–137.

2. Pu S, Wu Y, Tong F, Du WJ, Liu S, Yang H, Zhang C, Zhou B, Chen Z, Zhou X, Han Q, Du D. Mechanosensitive Ion Channel TMEM63A Gangs Up with Local Macrophages to Modulate Chronic Post-amputation Pain. Neurosci Bull 2023, 39(2): 177–193.

3. Chen FL, Yin HY, Tang Y. PROK2-PROKR2 Signaling: New Contributor to Pleasant Touch. Neurosci Bull 2023, 39(2): 356–358.

4. Zhao Y, Ke S, Cheng G, Lv X, Chang J, Zhou W. Direction Selectivity of TmY Neurites in Drosophila. Neurosci Bull 2023, 39(5): 759–773.

5. Zhang C, Liu S, Yu YC, Han Q. Mechanical Force Remodeling the Adult Brain. Neurosci Bull 2023, 39(5): 877–879.

6. Wang ZQ, Wen HZ, Luo TT, Chen PH, Zhao YD, Wu GY, Xiong Y. Corticostriatal Neurons in the Anterior Auditory Field Regulate Frequency Discrimination Behavior. Neurosci Bull 2023, 39(6): 962–972.

7. Xi S, Zhou Y, Yao J, Ye X, Zhang P, Wen W, Zhao C. Cortical Deficits are Correlated with Impaired Stereopsis in Patients with Strabismus. Neurosci Bull 2023, 39(7): 1039–1049.

8. Dou H, Wang H, Liu S, Huang J, Liu Z, Zhou T, Yang Y. Form Properties of Moving Targets Bias Smooth Pursuit Target Selection in Monkeys. Neurosci Bull 2023, 39(8): 1246–1262.

9. Zhang D, Ren M, Bi Z, Gu Y, Li S, Wang G, Li X, Liu Z. Lypd1-DTR/+: A New Mouse Model for Specifically Damaging the Type Ic Spiral Ganglion Neurons of the Cochlea. Neurosci Bull 2023, 39(9): 1459–1462.

10. Shan L, Yuan L, Zhang B, Ma J, Xu X, Gu F, Jiang Y, Dai J. Neural Integration of Audiovisual Sensory Inputs in Macaque Amygdala and Adjacent Regions. Neurosci Bull 2023, 39(12): 1749–1761.

11. Pan Y, Li S, He S, Wang G, Li C, Liu Z, Xiang M. *Fgf8*$^{P2A\text{-}3\times GFP/+}$: A New Genetic Mouse Model for Specifically Labeling and Sorting Cochlear Inner Hair Cells. Neurosci Bull 2023, 39(12): 1762–1774.

12. Liu Y, Wang Z, Wei T, Zhou S, Yin Y, Mi Y, Liu X, Tang Y. Alterations of Audiovisual Integration in Alzheimer's Disease. Neurosci Bull 2023, 39(12): 1859–1872.

13. Wang G, Yang Y, Dong K, Hua A, Wang J, Liu J. Multisensory Conflict Impairs Cortico-Muscular Network Connectivity and Postural Stability: Insights from Partial Directed Coherence Analysis. Neurosci Bull 2024, 40(1): 79–89.

14. Yang L, Jin M, Zhang C, Qian N, Zhang M. Distributions of Visual Receptive Fields from Retinotopic to Craniotopic Coordinates in the Lateral Intraparietal Area and Frontal Eye Fields of the Macaque. Neurosci Bull 2024, 40(2): 171–181.

15. Yuan M, Jin S, Tan G, Song S, Liu Y, Wang H, Shen Y. A Non-canonical Excitatory PV RGC-PV SC Visual Pathway for Mediating the Looming-evoked Innate Defensive Response. Neurosci Bull 2024, 40(3): 310–324.

16. Song F, Lyu L, Bao M. Adaptation of Ocular Opponency Neurons Mediates Attention-Induced Ocular Dominance Plasticity. Neurosci Bull 2024, 40(3): 339–349.

17. Huang X, Tao Q, Ren C. A Comprehensive Overview of the Neural Mechanisms of Light Therapy. Neurosci Bull 2024, 40(3): 350–362.

18. Ma X, Guo J, Tian M, Fu Y, Jiang P, Zhang Y, Chai R. Advance and Application of Single-cell Transcriptomics in Auditory Research. Neurosci Bull 2024, 40(7): 963–980.

19. Cui Y, Lu X, Kwon M, Chen N. Learning Improves Peripheral Vision *Via* Enhanced Cortico-Cortical Communications. Neurosci Bull 2024, 40(7): 1007–1011.

20. Xia Q, Kuang X, Meng W, Yin F, Ma C, Yang Y. The Role of Corticotropin-Releasing Factor Receptor 1 in the Stress-Induced Alteration of Visual Properties in Primary Visual Cortex: Insights from the Single Prolonged Stress Model. Neurosci Bull 2024, 40(7): 1012–1016.

21. Dai M, Li J, Hao X, Li N, Zheng M, He M, Gu Y. High Magnesium Promotes the Recovery of Binocular Vision from Amblyopia *via* TRPM7. Neurosci Bull 2024, 40(9): 1245–1260.

22. Cheng C, Zhu G, Wang K, Bu C, Li S, Qiu Y, Lu J, Ji X, Hao W, Wang J, Zhu C, Yang Y, Gu Y, Qian X, Yu C, Gao X. Deletion of Luzp2 Does Not Cause Hearing Loss in Mice. Neurosci Bull 2024, 40(10): 1519–1528.

23. Zhang R, Deng H, Xiao X. The Insular Cortex: An Interface Between Sensation, Emotion and Cognition. Neurosci Bull 2024, 40(11): 1763–1773.

24. Chen L, Jiang Y. Distinct Contributions of Alpha and Beta Oscillations to Context-Dependent Visual Size Perception. Neurosci Bull 2024, 40(12): 1875–1885.

25. Yuan M, Tan G, Cai D, Luo X, Shen K, Deng Q, Lei X, Zeng WB, Luo MH, Huang L, Ren C, Shen Y. GABAergic Retinal Ganglion Cells Projecting to the Superior Colliculus Mediate the Looming-Evoked Flight Response. Neurosci Bull 2024, 40(12): 1886–1900.

26. Zhang YY, Zhang X, Chen N. Multivariate Patterns of fMRI Activity in Human V2 Predict Feature Binding of Color and Motion. Neurosci Bull 2024, 40(12): 1931–1936.

Sleep [1–7]

1. Wang T, Ma YN, Zhang CC, Liu X, Sun YX, Wang HL, Wang H, Zhong YH, Su YA, Li JT, Si TM. The Nucleus Accumbens CRH-CRHR1 System Mediates Early-Life Stress-Induced Sleep Disturbance and Dendritic Atrophy in the Adult Mouse. Neurosci Bull 2023, 39(1): 41–56.

2. Chen J, Gannot N, Li X, Zhu R, Zhang C, Li P. Control of Emotion and Wakefulness by Neurotensinergic Neurons in the Parabrachial Nucleus. Neurosci Bull 2023, 39(4): 589–601.

3. Hao Y, Shao L, Hou J, Zhang Y, Ma Y, Liu J, Xu C, Chen F, Cao LH, Ping Y. Resveratrol and Sir2 Reverse Sleep and Memory Defects Induced by Amyloid Precursor Protein. Neurosci Bull 2023, 39(7): 1117–1130.

4. Fan J, Zhou F, Zheng J, Xu H. Rapid Eye Movement Sleep Consolidates Social Memory. Neurosci Bull 2023, 39(10): 1598–1600.

5. Wang L, Liu H, Qin L, Li L. Cytokine Storm: The Novel Mechanism for Sleep Deprivation-induced Multiple Organ Dysfunction Syndrome. Neurosci Bull 2024, 40(7): 1031–1033.

6. Chen J, Lin M, Shi N, Shen J, Weng X, Pang F, Liang J. Altered Cortical Information Interaction During Respiratory Events in Children with Obstructive Sleep Apnea-Hypopnea Syndrome. Neurosci Bull 2024, 40(10): 1458–1470.

7. Pang MZ, Li HX, Dai XQ, Wang XB, Liu JY, Shen Y, Xu X, Zhong ZM, Wang H, Liu CF, Wang F. Melatonin Ameliorates Abnormal Sleep-Wake Behavior *via* Facilitating Lipid Metabolism in a Zebrafish Model of Parkinson's Disease. Neurosci Bull 2024, 40(12): 1901–1914.

Spinal Cord Injury [1–4]

1. Gong L, Gu Y, Han X, Luan C, Liu C, Wang X, Sun Y, Zheng M, Fang M, Yang S, Xu L, Sun H, Yu B, Gu X, Zhou S. Spatiotemporal Dynamics of the Molecular Expression Pattern and Intercellular Interactions in the Glial Scar Response to Spinal Cord Injury. Neurosci Bull 2023, 39(2): 213–244.

2. Zou S, Zheng Y, Jiang X, Lan YL, Chen Z, Xu C. Shed a New Light on Spinal Cord Injury-induced Permanent Paralysis with the Brain-spine Interface. Neurosci Bull 2023, 39(12): 1898–1900.

3. Xia Y, Ding L, Zhang C, Xu Q, Shi M, Gao T, Zhou FQ, Deng DYB. Inflammatory Factor IL1α Induces Aberrant Astrocyte Proliferation in Spinal Cord Injury Through the Grin2c/Ca^{2+}/CaMK2b Pathway. Neurosci Bull 2024, 40(4): 421–438.

4. Lin J, Sun Y, Xia B, Wang Y, Xie C, Wang J, Hu J, Zhu L. Mertk Reduces Blood-Spinal Cord Barrier Permeability Through the Rhoa/Rock1/P-MLC Pathway After Spinal Cord Injury. Neurosci Bull 2024, 40(9): 1230–1244.

Stem Cell [1–6]

1. Qi J, Huang W, Lu Y, Yang X, Zhou Y, Chen T, Wang X, Yu Y, Sun JQ, Chai R. Stem Cell-Based Hair Cell Regeneration and Therapy in the Inner Ear. Neurosci Bull 2024, 40(1): 113–126.

2. Li Y, He J. Neural Stem Cell Competition. Neurosci Bull 2024, 40(2): 277–279.

3. Zhou Y, Wang Y, Yang L. Stem Cell Transplantation Represents a New Strategy for the Treatment of Epilepsy. Neurosci Bull 2024, 40(5): 673–676.

4. Chen J, Li Z, Wang Y, Chen L. GABAergic Interneuron Cell Therapy for Drug-Resistant Epilepsy. Neurosci Bull 2024, 40(5): 680–682.

5. Ji Y, McLean JL, Xu R. Emerging Human Pluripotent Stem Cell-Based Human-Animal Brain Chimeras for Advancing Disease Modeling and Cell Therapy for Neurological Disorders. Neurosci Bull 2024, 40(9): 1315–1332.

6. Meng H, Huan Y, Zhang K, Yi X, Meng X, Kang E, Wu S, Deng W, Wang Y. Quiescent Adult Neural Stem Cells: Developmental Origin and Regulatory Mechanisms. Neurosci Bull 2024, 40(9): 1353–1363.

Sympathetic Nervous System [1–1]

1. Zhang Q, Lin Z, Du X, Zhou Z. Liquid-Liquid Phase Separation within Dense-Core Vesicles in Sympathetic Adrenal Chromaffin Cells. Neurosci Bull 2024, 40(11): 1757–1762.

Techniques and Methods [1–22]

1. Xu J, Wang A, Wang Y, Li J, Xu R, Shi H, Li X, Liang Y, Yang J, Gao TM. AICellCounter: A Machine Learning-Based Automated Cell Counting Tool Requiring Only One Image for Training. Neurosci Bull 2023, 39(1): 83–88.

2. Yu J, Li T, Chen K, Tang Q, Zhu J. Stereopure AIMer: A Promising RNA Base-editing Tool for Monogenic Neurological Diseases. Neurosci Bull 2023, 39(2): 353–355.

3. Wood CR, Xi Y, Yang WJ, Wang H. Insight into Neuroethical Considerations of the Newly Emerging Technologies and Techniques of the Global Brain Initiatives. Neurosci Bull 2023, 39(4): 685–689.

4. Zhang X, Song M, Li J, Jiang T. EM-fMRI: A Promising Method for Mapping the Brain Functional Connectome. Neurosci Bull 2023, 39(4): 707–709.

5. Qu XT, Wu JN, Wen Y, Chen L, Lv SL, Liu L, Zhan LJ, Liu TY, He H, Liu Y, Xu C. A Virtual Reality Platform for Context-Dependent Cognitive Research in Rodents. Neurosci Bull 2023, 39(5): 717–730.

6. Sun J, Zheng Y, Hu J. Targeting Microglia with Adeno-associated Viruses. Neurosci Bull 2023, 39(5): 863–865.

7. Su F, Wang Y, Wei M, Wang C, Wang S, Yang L, Li J, Yuan P, Luo DG, Zhang C. Noninvasive Tracking of Every Individual in Unmarked Mouse Groups Using Multi-Camera Fusion and Deep Learning. Neurosci Bull 2023, 39(6): 893–910.

8. Qiu X, Sun M, Xu C, Tang Y, Chen Z. One Small Step for Neurotechnology, One Giant Leap for an In-Depth Understanding of the Brain. Neurosci Bull 2023, 39(6): 1034–1036.

9. Wu C, Liu TC, Duan R, Yang L. Photobiomodulation: A Potential Non-invasive Method to Alleviate Neurological Events Following COVID-19 Infection. Neurosci Bull 2023, 39(10):

1595–1597.

10. Yang L, Zhang M, Wang Y, Chen Z. Chemogenetic Therapeutics: A Powerful Tool to Control Cortical Seizures in Non-human Primates. Neurosci Bull 2023, 39(10): 1601–1604.

11. Chen Y, Wang J, Liu J, Lin J, Lin Y, Nie J, Yue Q, Deng C, Qi X, Li Y, Dai J, Lu Z. A Novel Retrograde AAV Variant for Functional Manipulation of Cortical Projection Neurons in Mice and Monkeys. Neurosci Bull 2024, 40(1): 90–102.

12. Ji X, Jiang W, Zhang X, Song M, Yu S, Jiang T. The Neural Mechanism of Knowledge Assembly in the Human Brain Inspires Artificial Intelligence Algorithm. Neurosci Bull 2024, 40(2): 280–282.

13. Shen Y, Shao M, Hao ZZ, Huang M, Xu N, Liu S. Multimodal Nature of the Single-cell Primate Brain Atlas: Morphology, Transcriptome, Electrophysiology, and Connectivity. Neurosci Bull 2024, 40(4): 517–532.

14. He X, Calhoun VD, Du Y. SMART (Splitting-Merging Assisted Reliable) Independent Component Analysis for Extracting Accurate Brain Functional Networks. Neurosci Bull 2024, 40(7): 905–920.

15. Ma X, Guo J, Tian M, Fu Y, Jiang P, Zhang Y, Chai R. Advance and Application of Single-cell Transcriptomics in Auditory Research. Neurosci Bull 2024, 40(7): 963–980.

16. Sun C, Fan Q, Xie R, Luo C, Hu B, Wang Q. Tetherless Optical Neuromodulation: Wavelength from Orange-red to Mid-infrared. Neurosci Bull 2024, 40(8): 1173–1188.

17. Li Y, Fang Y, Li K, Yang H, Duan S, Sun L. Morphological Tracing and Functional Identification of Monosynaptic Connections in the Brain: A Comprehensive Guide. Neurosci Bull 2024, 40(9): 1364–1378.

18. Hu S, Xie Z, Wang B, Chen Y, Jing Z, Hao Y, Yao J, Wu X, Huo J, Wei A, Qin Y, Dong N, Zheng C, Song Q, Long J, Kang X, Wang C, Xu H. STED Imaging of Vesicular Endocytosis in the

Synapse. Neurosci Bull 2024, 40(9): 1379–1395.

19. Yang RZ, Wang DD, Li SM, Liu PP, Kang JS. Development and Application of a Mitochondrial Genetically Encoded Voltage Indicator in Narcosis. Neurosci Bull 2024, 40(10): 1529–1544.

20. Chen Y, Chen Q, Song Y, Wang H, Hu X, Wang K, Wu X, Xu F, Bao L, Zhang X. Tracing from Periphery to Cortex: Application of Herpes Simplex Virus to Somatosensory Neural Networks. Neurosci Bull 2024, 40(11): 1739–1744.

21. Huang Q, Ding J, Wang X. A Method to Extract Task-Related EEG Feature Based on Lightweight Convolutional Neural Network. Neurosci Bull 2024, 40(12): 1915–1930.

22. Song H, Qiu SS, Zhao B, Liu X, Tseng YT, Wang L. A Machine Learning Approach for Behavioral Recognition of Stress Levels in Mice. Neurosci Bull 2024, 40(12): 1950–1954.