

## Neuroscience Bulletin 2017-2018 Article List

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**Addiction**

1. Huang X, Ni W, Zhang C. Calcium-Impermeable NMDA Receptor: A Novel Target for Addiction. *Neurosci Bull* 2017, 33: 357-358.
2. Zhu H, Lai M, Chen W, Mei D, Zhang F, Liu H, *et al.* N-acetylaspartylglutamate Inhibits Heroin Self-Administration and Heroin-Seeking Behaviors Induced by Cue or Priming in Rats. *Neurosci Bull.* 2017 Aug;33(4):396-404.
3. Zhu H, Lai M, Chen W, Mei D, Zhang F, Liu H, *et al.* N-acetylaspartylglutamate Inhibits Heroin Self-Administration and Heroin-Seeking Behaviors Induced by Cue or Priming in Rats. *Neurosci Bull* 2017, 33: 396-404.
4. Liang Q, Lin J, Yang J, Li X, Chen Y, Meng X, *et al.* Intervention Effect of Repetitive TMS on Behavioral Adjustment After Error Commission in Long-Term Methamphetamine Addicts: Evidence From a Two-Choice Oddball Task. *Neurosci Bull* 2018, 34: 449-456.
5. Li Y, Xu J, Xu Y, Zhao XY, Liu Y, Wang J, *et al.* Regulatory Effect of General Anesthetics on Activity of Potassium Channels. *Neurosci Bull* 2018, 34: 887-900.

**Anatomy**

1. Ni RJ, Huang ZH, Shu YM, Wang Y, Li T, Zhou JN. Atlas of the Striatum and Globus Pallidus in the Tree Shrew: Comparison with Rat and Mouse. *Neurosci Bull* 2018, 34: 405-418.
2. Dai JK, Wang SX, Shan D, Niu HC, Lei H. Super-Resolution Track-Density Imaging Reveals Fine Anatomical Features in Tree Shrew Primary Visual Cortex and Hippocampus. *Neurosci Bull* 2018, 34: 438-448.

**Neurocircuitry**

1. Zhu Y, Jiang X, Ji W. The Mechanism of Cortico-Striato-Thalamo-Cortical Neurocircuitry in Response Inhibition and Emotional Responding in Attention Deficit Hyperactivity Disorder with Comorbid Disruptive Behavior Disorder. *Neurosci Bull* 2018, 34: 566-572.
2. Su YT, Gu MY, Chu X, Feng X, Yu YQ. Whole-Brain Mapping of Direct Inputs to and Axonal Projections from GABAergic Neurons in the Parafacial Zone. *Neurosci Bull* 2018, 34: 485-496.
3. Qian A, Wang X, Liu H, Tao J, Zhou J, Ye Q, et al. Dopamine D4 Receptor Gene Associated with the Frontal-Striatal-Cerebellar Loop in Children with ADHD: A Resting-State fMRI Study. *Neurosci Bull* 2018, 34: 497-506.
4. Zhang YY, Xu L, Liang ZY, Wang K, Hou B, Zhou Y, et al. Separate Neural Networks for Gains and Losses in Intertemporal Choice. *Neurosci Bull* 2018, 34: 725-735.
5. Ho MS. A Shared Neural Node for Multiple Innate Behaviors in *Drosophila*. *Neurosci Bull* 2018, 34: 1103-1104.
6. Zhu Q, Ke W, He Q, Wang X, Zheng R, Li T, et al. Laminar Distribution of Neurochemically-Identified Interneurons and Cellular Co-expression of Molecular Markers in Epileptic Human Cortex. *Neurosci Bull* 2018, 34: 992-1006.
7. Zhou X, Lei X. Wandering Minds with Wandering Brain Networks. *Neurosci Bull* 2018, 34: 1017-1028.
8. Chang YY, Gong XW, Gong HQ, Liang PJ, Zhang PM, Lu QC. GABAA Receptor Activity Suppresses the Transition from Inter-ictal to Ictal Epileptiform Discharges in Juvenile Mouse Hippocampus. *Neurosci Bull* 2018, 34: 1007-1016.
9. Chen X, Zhang C, Li Y, Huang P, Lv Q, Yu W, et al. Functional Connectivity-Based Modelling Simulates Subject-Specific Network Spreading Effects of Focal Brain Stimulation. *Neurosci Bull* 2018, 34: 921-938.

**Autism Spectrum Disorder/Developmental disorders**

1. Meng FC, Xu XJ, Song TJ, Shou XJ, Wang XL, Han SP, *et al.* Development of an Autism Subtyping Questionnaire Based on Social Behaviors. *Neurosci Bull* 2018, 34: 789-800.
2. Zhu Y, Jiang X, Ji W. The Mechanism of Cortico-Striato-Thalamo-Cortical Neurocircuitry in Response Inhibition and Emotional Responding in Attention Deficit Hyperactivity Disorder with Comorbid Disruptive Behavior Disorder. *Neurosci Bull* 2018, 34: 566-572.
3. Yu X, Qiu Z, Zhang D. Recent Research Progress in Autism Spectrum Disorder. *Neurosci Bull* 2017, 33: 125-129.
4. Shou XJ, Xu XJ, Zeng XZ, Liu Y, Yuan HS, Xing Y, *et al.* A Volumetric and Functional Connectivity MRI Study of Brain Arginine-Vasopressin Pathways in Autistic Children. *Neurosci Bull* 2017, 33: 130-142.
5. Wang M, Li H, Takumi T, Qiu Z, Xu X, Yu X, *et al.* Distinct Defects in Spine Formation or Pruning in Two Gene Duplication Mouse Models of Autism. *Neurosci Bull* 2017, 33: 143-152.
6. Wang S, Deng H, You C, Chen K, Li J, Tang C, *et al.* Sex Differences in Diagnosis and Clinical Phenotypes of Chinese Children with Autism Spectrum Disorder. *Neurosci Bull* 2017, 33: 153-160.
7. Zhou H, Zhang L, Zou X, Luo X, Xia K, Wu L, *et al.* Chinese Norms for the Autism Spectrum Rating Scale. *Neurosci Bull* 2017, 33: 161-167.
8. Zhou B, Zhou H, Wu L, Zou X, Luo X, Fombonne E, *et al.* Assessing the Accuracy of the Modified Chinese Autism Spectrum Rating Scale and Social Responsiveness Scale for Screening Autism Spectrum Disorder in Chinese Children. *Neurosci Bull* 2017, 33: 168-174.
9. Zhou H, Zhang L, Luo X, Wu L, Zou X, Xia K, *et al.* Modifying the Autism Spectrum Rating Scale (6-18 years) to a Chinese Context: An Exploratory Factor Analysis. *Neurosci Bull* 2017, 33: 175-182.
10. Masi A, DeMayo MM, Glozier N, Guastella AJ. An Overview of Autism Spectrum Disorder, Heterogeneity and Treatment Options. *Neurosci Bull* 2017, 33: 183-193.
11. Masi A, Glozier N, Dale R, Guastella AJ. The Immune System, Cytokines, and Biomarkers

- in Autism Spectrum Disorder. *Neurosci Bull* 2017, 33: 194-204.
12. Hulbert SW, Jiang YH. Cellular and Circuitry Bases of Autism: Lessons Learned from the Temporospatial Manipulation of Autism Genes in the Brain. *Neurosci Bull* 2017, 33: 205-218.
  13. Li D, Karnath HO, Xu X. Candidate Biomarkers in Children with Autism Spectrum Disorder: A Review of MRI Studies. *Neurosci Bull* 2017, 33: 219-237.
  14. Zhang R, Zhang HF, Han JS, Han SP. Genes Related to Oxytocin and Arginine-Vasopressin Pathways: Associations with Autism Spectrum Disorders. *Neurosci Bull* 2017, 33: 238-246.
  15. Qiu Z, Li X. Non-human Primate Models for Brain Disorders - Towards Genetic Manipulations via Innovative Technology. *Neurosci Bull* 2017, 33: 247-250.
  16. Wen Z, Cheng TL, Yin DZ, Sun SB, Wang Z, Yu SY, *et al.* Identification of the Genetic Cause for Childhood Disintegrative Disorder by Whole-Exome Sequencing. *Neurosci Bull* 2017, 33: 251-254.
  17. Tian Y, Zhang ZC, Han J. *Drosophila* Studies on Autism Spectrum Disorders. *Neurosci Bull*. 2017 Dec;33(6):737-746.
  18. Song M, Yang Z, Sui J, Jiang T. Biological Subtypes Bridge Diagnoses and Biomarkers: A Novel Research Track for Mental Disorders. *Neurosci Bull* 2017, 33: 351-353.
  19. Tian Y, Zhang ZC, Han J. *Drosophila* Studies on Autism Spectrum Disorders. *Neurosci Bull* 2017, 33: 737-746.
  20. Li Y, Fang H, Zheng W, Qian L, Xiao Y, Wu Q, *et al.* A Fiber Tractography Study of Social-Emotional Related Fiber Tracts in Children and Adolescents with Autism Spectrum Disorder. *Neurosci Bull* 2017, 33: 722-730.
  21. Bi T, Fang F. Impaired Face Perception in Individuals with Autism Spectrum Disorder: Insights on Diagnosis and Treatment. *Neurosci Bull* 2017, 33: 757-759.
  22. Qian A, Wang X, Liu H, Tao J, Zhou J, Ye Q, *et al.* Dopamine D4 Receptor Gene Associated with the Frontal-Striatal-Cerebellar Loop in Children with ADHD: A Resting-State fMRI Study. *Neurosci Bull* 2018, 34: 497-506.
  23. Yu X, Hu L, Liu X, Zhan G, Mei M, Wang H, *et al.* A Novel MYCN Variant Associated with Intellectual Disability Regulates Neuronal Development. *Neurosci Bull* 2018, 34: 854-858.

24. Li C, Zhou H, Wang T, Long S, Du X, Xu X, *et al.* Performance of the Autism Spectrum Rating Scale and Social Responsiveness Scale in Identifying Autism Spectrum Disorder Among Cases of Intellectual Disability. *Neurosci Bull* 2018, 34: 972-980.
  
25. Xu M, Ji Y, Zhang T, Jiang X, Fan Y, Geng J, *et al.* Clinical Application of Chromosome Microarray Analysis in Han Chinese Children with Neurodevelopmental Disorders. *Neurosci Bull* 2018, 34: 981-991.

**Autophagy**

1. He L, Chen L, Li L. The TBK1-OPTN Axis Mediates Crosstalk Between Mitophagy and the Innate Immune Response: A Potential Therapeutic Target for Neurodegenerative Diseases. *Neurosci Bull* 2017, 33: 354-356.
2. Wu D, Hao Z, Ren H, Wang G. Loss of VAPB Regulates Autophagy in a Beclin 1-Dependent Manner. *Neurosci Bull* 2018, 34: 1037-1046.



**Behavior**

1. Meng FC, Xu XJ, Song TJ, Shou XJ, Wang XL, Han SP, *et al.* Development of an Autism Subtyping Questionnaire Based on Social Behaviors. *Neurosci Bull* 2018, 34: 789-800.
2. Li K, Shen S, Ji YT, Li XY, Zhang LS, Wang XD. Melatonin Augments the Effects of Fluoxetine on Depression-Like Behavior and Hippocampal BDNF-TrkB Signaling. *Neurosci Bull* 2018, 34: 303-311.
3. Ma C, Ma X, Fan J, He J. Neurons in Primary Motor Cortex Encode Hand Orientation in a Reach-to-Grasp Task. *Neurosci Bull.* 2017 Aug;33(4):383-395.
4. Wang Z, Liang S, Yu S, Xie T, Wang B, Wang J, *et al.* Distinct Roles of Dopamine Receptors in the Lateral Thalamus in a Rat Model of Decisional Impulsivity. *Neurosci Bull* 2017, 33: 413-422.
5. Ma C, Ma X, Fan J, He J. Neurons in Primary Motor Cortex Encode Hand Orientation in a Reach-to-Grasp Task. *Neurosci Bull* 2017, 33: 383-395.
6. Xia Y, Xu W, Meng S, Lim NKH, Wang W, Huang FD. An Efficient and Reliable Assay for Investigating the Effects of Hypoxia/Anoxia on *Drosophila*. *Neurosci Bull* 2018, 34: 397-402.
7. Zhang W, Guo C, Chen D, Peng Q, Pan Y. Hierarchical Control of *Drosophila* Sleep, Courtship, and Feeding Behaviors by Male-Specific P1 Neurons. *Neurosci Bull* 2018, 34: 1105-1110.
8. Zhou X, Lei X. Wandering Minds with Wandering Brain Networks. *Neurosci Bull* 2018, 34: 1017-1028.
9. Fei Y, Zhu D, Sun Y, Gong C, Huang S, Gong Z. Repeated Failure in Reward Pursuit Alters Innate *Drosophila* Larval Behaviors. *Neurosci Bull* 2018, 34: 901-911.
- 10.

**Biomarkers for Disease Diagnosis**

1. Reddan MC, Wager TD. Modeling Pain Using fMRI: From Regions to Biomarkers. *Neurosci Bull* 2018, 34: 208-215.
2. Yan X, Mai L, Lin C, He W, Yin G, Yu J, et al. CSF-Based Analysis for Identification of Potential Serum Biomarkers of Neural Tube Defects. *Neurosci Bull* 2017, 33: 436-444.
3. Wang R, Yang S, Nie T, Zhu G, Feng D, Yang Q. Transcription Factors: Potential Cell Death Markers in Parkinson's Disease. *Neurosci Bull*. 2017 Oct;33(5):552-560.
4. Cen L, Yang C, Huang S, Zhou M, Tang X, Li K, *et al*. Peripheral Lymphocyte Subsets as a Marker of Parkinson's Disease in a Chinese Population. *Neurosci Bull*. 2017 Oct;33(5):493-500.
5. Reichmann H. Premotor Diagnosis of Parkinson's Disease. *Neurosci Bull*. 2017 Oct;33(5):526-534.
6. Jin H, Zhang JR, Shen Y, Liu CF. Clinical Significance of REM Sleep Behavior Disorders and Other Non-motor Symptoms of Parkinsonism. *Neurosci Bull*. 2017 Oct;33(5):576-584.
7. Wang Y, Yang Z, Le W. Tiny But Mighty: Promising Roles of MicroRNAs in the Diagnosis and Treatment of Parkinson's Disease. *Neurosci Bull*. 2017 Oct;33(5):543-551.

**Mental disorders**

1. Zhang X, Zhang Y, Liao J, Jiang S, Yan J, Yue W, *et al.* Progressive Grey Matter Volume Changes in Patients with Schizophrenia over 6 Weeks of Antipsychotic Treatment and Their Relationship to Clinical Improvement. *Neurosci Bull* 2018, 34: 816-826.
2. Guo QH, Tong QH, Lu N, Cao H, Yang L, Zhang YQ. Proteomic Analysis of the Hippocampus in Mouse Models of Trigeminal Neuralgia and Inescapable Shock-Induced Depression. *Neurosci Bull* 2018, 34: 74-84.
3. Li K, Shen S, Ji YT, Li XY, Zhang LS, Wang XD. Melatonin Augments the Effects of Fluoxetine on Depression-Like Behavior and Hippocampal BDNF-TrkB Signaling. *Neurosci Bull* 2018, 34: 303-311.
4. Li X. The Antidepressant Effect of Light Therapy from Retinal Projections. *Neurosci Bull* 2018, 34: 359-368.
5. Liang S, Vega R, Kong X, Deng W, Wang Q, Ma X, *et al.* Neurocognitive Graphs of First-Episode Schizophrenia and Major Depression Based on Cognitive Features. *Neurosci Bull* 2018, 34: 312-320.
6. Ma H, Li X, Lin A, Yuan Z, Zhou J, Yang X, *et al.* Associations Between PPP1R1B Gene Polymorphisms and Anxiety Levels in the Chinese Population. *Neurosci Bull* 2017, 33: 107-110.
7. Guo QH, Tong QH, Lu N, Cao H, Yang L, Zhang YQ. Proteomic Analysis of the Hippocampus in Mouse Models of Trigeminal Neuralgia and Inescapable Shock-Induced Depression. *Neurosci Bull* 2017.
8. Song M, Yang Z, Sui J, Jiang T. Biological Subtypes Bridge Diagnoses and Biomarkers: A Novel Research Track for Mental Disorders. *Neurosci Bull* 2017, 33: 351-353.
9. Zhang Y, Yan H, Liao J, Yu H, Jiang S, Liu Q, *et al.* ZNF804A Variation May Affect Hippocampal-Prefrontal Resting-State Functional Connectivity in Schizophrenic and Healthy Individuals. *Neurosci Bull* 2018, 34: 507-516.
10. Liang S, Vega R, Kong X, Deng W, Wang Q, Ma X, *et al.* Neurocognitive Graphs of First-Episode Schizophrenia and Major Depression Based on Cognitive Features. *Neurosci Bull* 2018, 34: 312-320.
11. Zhou D, Pang F, Liu S, Shen Y, Liu L, Fang Z, *et al.* Altered Motor-Striatal Plasticity and Cortical Functioning in Patients with Schizophrenia. *Neurosci Bull* 2017, 33: 307-311.
12. Li B, Cui LB, Xi YB, Friston KJ, Guo F, Wang HN, *et al.* Abnormal Effective Connectivity in the Brain is Involved in Auditory Verbal Hallucinations in Schizophrenia. *Neurosci Bull* 2017,

33: 281-291.

13. Hu ML, Zong XF, Mann JJ, Zheng JJ, Liao YH, Li ZC, *et al.* A Review of the Functional and Anatomical Default Mode Network in Schizophrenia. *Neurosci Bull* 2017, 33: 73-84.
14. Zhou D, Pang F, Liu S, Shen Y, Liu L, Fang Z, *et al.* Altered Motor-Striatal Plasticity and Cortical Functioning in Patients with Schizophrenia. *Neurosci Bull.* 2017 Jun;33(3):307-311.
15. Zhao X, Tian L, Yan J, Yue W, Yan H, Zhang D. Abnormal Rich-Club Organization Associated with Compromised Cognitive Function in Patients with Schizophrenia and Their Unaffected Parents. *Neurosci Bull* 2017, 33: 445-454.
16. Song M, Yang Z, Sui J, Jiang T. Biological Subtypes Bridge Diagnoses and Biomarkers: A Novel Research Track for Mental Disorders. *Neurosci Bull* 2017, 33: 351-353.
17. Luan ZL, Cui XH, Xu H, Lu HY, Li YY, Lu TL, *et al.* Association of MSI2 Gene Polymorphism with Age-at-Onset of Schizophrenia in a Chinese Population. *Neurosci Bull* 2017, 33: 731-733.
18. Guo Q, Li C, Wang J. Updated Review on the Clinical Use of Repetitive Transcranial Magnetic Stimulation in Psychiatric Disorders. *Neurosci Bull* 2017, 33: 747-756.
19. Li H, Zeng J, Huang L, Wu D, Liu L, Liu Y, *et al.* Microarray Analysis of Gene Expression Changes in Neuroplastin 65-Knockout Mice: Implications for Abnormal Cognition and Emotional Disorders. *Neurosci Bull* 2018, 34: 779-788.
20. Tang W, Chen Y, Fang X, Wang Y, Fan W, Zhang C. SIRT1 rs3758391 and Major Depressive Disorder: New Data and Meta-Analysis. *Neurosci Bull* 2018, 34: 863-866.
21. He F, Ai H, Wang M, Wang X, Geng X. Altered Neuronal Activity in the Central Nucleus of the Amygdala Induced by Restraint Water-Immersion Stress in Rats. *Neurosci Bull* 2018, 34: 1067-1076.

**Brain imaging**

1. Zhang Z, Chen W, Zhao Y, Yang Y. Spatiotemporal Imaging of Cellular Energy Metabolism with Genetically-Encoded Fluorescent Sensors in Brain. *Neurosci Bull* 2018, 34: 875-886.
2. Reddan MC, Wager TD. Modeling Pain Using fMRI: From Regions to Biomarkers. *Neurosci Bull* 2018, 34: 208-215.
3. Ji C, Zhu L, Chen C, Wang S, Zheng L, Li H. Volumetric Changes in Hippocampal Subregions and Memory Performance in Mesial Temporal Lobe Epilepsy with Hippocampal Sclerosis. *Neurosci Bull* 2018, 34: 389-396.
4. Liu ZY, Liu FT, Zuo CT, Koprach JB, Wang J. Update on Molecular Imaging in Parkinson's Disease. *Neurosci Bull* 2018, 34: 330-340.
5. Zhu X, Xia Y, Wang X, Si K, Gong W. Optical Brain Imaging: A Powerful Tool for Neuroscience. *Neurosci Bull* 2017, 33: 95-102.
6. Hu ML, Zong XF, Mann JJ, Zheng JJ, Liao YH, Li ZC, *et al.* A Review of the Functional and Anatomical Default Mode Network in Schizophrenia. *Neurosci Bull* 2017, 33: 73-84.
7. Kim E, Park H. Pairwise Classifier Ensemble with Adaptive Sub-Classifiers for fMRI Pattern Analysis. *Neurosci Bull* 2017, 33: 41-52.
8. Guan X, Xu X, Zhang M. Region-Specific Iron Measured by MRI as a Biomarker for Parkinson's Disease. *Neurosci Bull*. 2017 Oct;33(5):561-567.
9. Fan L, Jiang T. Mapping Underlying Maturation Changes in Human Brain. *Neurosci Bull* 2017.
10. Kim E, Park H. Pairwise Classifier Ensemble with Adaptive Sub-Classifiers for fMRI Pattern Analysis. *Neurosci Bull*. 2017 Feb;33(1):41-52.
11. Zhao X, Tian L, Yan J, Yue W, Yan H, Zhang D. Abnormal Rich-Club Organization Associated with Compromised Cognitive Function in Patients with Schizophrenia and Their Unaffected Parents. *Neurosci Bull* 2017, 33: 445-454.
12. Fan L, Jiang T. Mapping Underlying Maturation Changes in Human Brain. *Neurosci Bull* 2017, 33: 478-480.
13. Reddan MC, Wager TD. Modeling Pain Using fMRI: From Regions to Biomarkers. *Neurosci Bull* 2017.
14. Zhang Y, Yan H, Liao J, Yu H, Jiang S, Liu Q, *et al.* ZNF804A Variation May Affect Hippocampal-Prefrontal Resting-State Functional Connectivity in Schizophrenic and Healthy Individuals. *Neurosci Bull* 2018, 34: 507-516.
15. Dai JK, Wang SX, Shan D, Niu HC, Lei H. Super-Resolution Track-Density Imaging Reveals

Fine Anatomical Features in Tree Shrew Primary Visual Cortex and Hippocampus. *Neurosci Bull* 2018, 34: 438-448.

16. Ni RJ, Huang ZH, Shu YM, Wang Y, Li T, Zhou JN. Atlas of the Striatum and Globus Pallidus in the Tree Shrew: Comparison with Rat and Mouse. *Neurosci Bull* 2018, 34: 405-418.
17. Su W, Guo J, Zhang Y, Zhou J, Chen N, Zhou M, *et al.* A Longitudinal Functional Magnetic Resonance Imaging Study of Working Memory in Patients Following a Transient Ischemic Attack: A Preliminary Study. *Neurosci Bull* 2018, 34: 963-971.

**Brain Immunity, Neuroinflammation**

1. Jing PB, Cao DL, Li SS, Zhu M, Bai XQ, Wu XB, *et al.* Chemokine Receptor CXCR3 in the Spinal Cord Contributes to Chronic Itch in Mice. *Neurosci Bull* 2018, 34: 54-63.
2. Li AL, Zhang JD, Xie W, Strong JA, Zhang JM. Inflammatory Changes in Paravertebral Sympathetic Ganglia in Two Rat Pain Models. *Neurosci Bull* 2018, 34: 85-97.
3. Panaro MA, Aloisi A, Nicolardi G, Lofrumento DD, De Nuccio F, La Pesa V, *et al.* Radio Electric Asymmetric Conveyor Technology Modulates Neuroinflammation in a Mouse Model of Neurodegeneration. *Neurosci Bull* 2018, 34: 270-282.
4. He L, Chen L, Li L. The TBK1-OPTN Axis Mediates Crosstalk Between Mitophagy and the Innate Immune Response: A Potential Therapeutic Target for Neurodegenerative Diseases. *Neurosci Bull* 2017, 33: 354-356.
5. Li D, Zhang L, Huang X, Liu L, He Y, Xu L, *et al.* WIP1 Phosphatase Plays a Critical Neuroprotective Role in Brain Injury Induced by High-Altitude Hypoxic Inflammation. *Neurosci Bull* 2017, 33: 292-298.
6. Chen L, Liu X, Wang H, Qu M. Gastrodin Attenuates Pentylentetrazole-Induced Seizures by Modulating the Mitogen-Activated Protein Kinase-Associated Inflammatory Responses in Mice. *Neurosci Bull* 2017, 33: 264-272.
7. Xie RG, Gao YJ, Park CK, Lu N, Luo C, Wang WT, *et al.* Spinal CCL2 Promotes Central Sensitization, Long-Term Potentiation, and Inflammatory Pain via CCR2: Further Insights into Molecular, Synaptic, and Cellular Mechanisms. *Neurosci Bull* 2017.
8. Li AL, Zhang JD, Xie W, Strong JA, Zhang JM. Inflammatory Changes in Paravertebral Sympathetic Ganglia in Two Rat Pain Models. *Neurosci Bull* 2017.
9. Wang G, He F, Xu Y, Zhang Y, Wang X, Zhou C, *et al.* Immunopotentiator Thymosin Alpha-1 Promotes Neurogenesis and Cognition in the Developing Mouse via a Systemic Th1 Bias. *Neurosci Bull.* 2017 Dec;33(6):675-684..
10. Fang X, Sun D, Wang Z, Yu Z, Liu W, Pu Y, *et al.* MiR-30a Positively Regulates the Inflammatory Response of Microglia in Experimental Autoimmune Encephalomyelitis. *Neurosci Bull.* 2017 Dec;33(6):603-615.
11. Han Y, Zhao T, Cheng X, Zhao M, Gong SH, Zhao YQ, *et al.* Cortical Inflammation is Increased in a DSS-Induced Colitis Mouse Model. *Neurosci Bull* 2018, 34: 1058-1066.
12. Hu HM, Li B, Wang XD, Guo YS, Hui H, Zhang HP, *et al.* Fluoxetine is Neuroprotective in Early Brain Injury via its Anti-inflammatory and Anti-apoptotic Effects in a Rat Experimental Subarachnoid Hemorrhage Model. *Neurosci Bull* 2018, 34: 951-962.

**Cell signaling**

1. Duan B, Cheng L, Ma Q. Spinal Circuits Transmitting Mechanical Pain and Itch. *Neurosci Bull* 2018, 34: 186-193.
2. Jing PB, Cao DL, Li SS, Zhu M, Bai XQ, Wu XB, *et al.* Chemokine Receptor CXCR3 in the Spinal Cord Contributes to Chronic Itch in Mice. *Neurosci Bull* 2018, 34: 54-63.
3. Miao X, Huang Y, Liu TT, Guo R, Wang B, Wang XL, *et al.* TNF-alpha/TNFR1 Signaling is Required for the Full Expression of Acute and Chronic Itch in Mice via Peripheral and Central Mechanisms. *Neurosci Bull* 2018, 34: 42-53.
4. Wang ZC, Li LH, Bian C, Yang L, Lv N, Zhang YQ. Involvement of NF-kappaB and the CX3CR1 Signaling Network in Mechanical Allodynia Induced by Tetanic Sciatic Stimulation. *Neurosci Bull* 2018, 34: 64-73.
5. Xie RG, Gao YJ, Park CK, Lu N, Luo C, Wang WT, *et al.* Spinal CCL2 Promotes Central Sensitization, Long-Term Potentiation, and Inflammatory Pain via CCR2: Further Insights into Molecular, Synaptic, and Cellular Mechanisms. *Neurosci Bull* 2018, 34: 13-21.
6. Hu ZJ, Han W, Cao CQ, Mao-Ying QL, Mi WL, Wang YQ. Peripheral Leptin Signaling Mediates Formalin-Induced Nociception. *Neurosci Bull* 2018, 34: 321-329.
7. Li K, Shen S, Ji YT, Li XY, Zhang LS, Wang XD. Melatonin Augments the Effects of Fluoxetine on Depression-Like Behavior and Hippocampal BDNF-TrkB Signaling. *Neurosci Bull* 2018, 34: 303-311.
8. Wei YP, Ye JW, Wang X, Zhu LP, Hu QH, Wang Q, *et al.* Tau-Induced Ca(2+)/Calmodulin-Dependent Protein Kinase-IV Activation Aggravates Nuclear Tau Hyperphosphorylation. *Neurosci Bull* 2018, 34: 261-269.
9. Wei YP, Ye JW, Wang X, Zhu LP, Hu QH, Wang Q, *et al.* Tau-Induced Ca<sup>2+</sup>/Calmodulin-Dependent Protein Kinase-IV Activation Aggravates Nuclear Tau Hyperphosphorylation. *Neurosci Bull* 2017.
10. Wang ZC, Li LH, Bian C, Yang L, Lv N, Zhang YQ. Involvement of NF-kappaB and the CX3CR1 Signaling Network in Mechanical Allodynia Induced by Tetanic Sciatic Stimulation. *Neurosci Bull* 2017.
11. Liu F, Ni JJ, Sun FY. Expression of Phospho-MeCP2s in the Developing Rat Brain and Function of Postnatal MeCP2 in Cerebellar Neural Cell Development. *Neurosci Bull* 2017, 33: 1-16.



12. Yang A, Wang C, Song B, Zhang W, Guo Y, Yang R, *et al.* Attenuation of beta-Amyloid Toxicity In Vitro and In Vivo by Accelerated Aggregation. *Neurosci Bull* 2017.
13. Miao X, Huang Y, Liu TT, Guo R, Wang B, Wang XL, *et al.* TNF-alpha/TNFR1 Signaling is Required for the Full Expression of Acute and Chronic Itch in Mice via Peripheral and Central Mechanisms. *Neurosci Bull* 2017.
14. Guo QH, Tong QH, Lu N, Cao H, Yang L, Zhang YQ. Proteomic Analysis of the Hippocampus in Mouse Models of Trigeminal Neuralgia and Inescapable Shock-Induced Depression. *Neurosci Bull* 2017.
15. Abidin SZ, Leong JW, Mahmoudi M, Nordin N, Abdullah S, Cheah PS, *et al.* In Silico Prediction and Validation of Gfap as an miR-3099 Target in Mouse Brain. *Neurosci Bull* 2017, 33: 373-382.
16. Bu B, Zhang L. A New Link Between Insulin Signaling and Fragile X Syndrome. *Neurosci Bull* 2017, 33: 118-120.
17. Fu K, Wang Y, Guo D, Wang G, Ren H. Familial Parkinson's Disease-Associated L166P Mutant DJ-1 is Cleaved by Mitochondrial Serine Protease Omi/HtrA2. *Neurosci Bull* 2017, 33: 685-694.
18. Vallee A, Lecarpentier Y, Guillevin R, Vallee JN. Opposite Interplay Between the Canonical WNT/beta-Catenin Pathway and PPAR Gamma: A Potential Therapeutic Target in Gliomas. *Neurosci Bull* 2018, 34: 573-588.
19. Li WY, Zhang WT, Cheng YX, Liu YC, Zhai FG, Sun P, *et al.* Inhibition of KLF7-Targeting MicroRNA 146b Promotes Sciatic Nerve Regeneration. *Neurosci Bull* 2018, 34: 419-437.
20. Li H, Zeng J, Huang L, Wu D, Liu L, Liu Y, *et al.* Microarray Analysis of Gene Expression Changes in Neuroplastin 65-Knockout Mice: Implications for Abnormal Cognition and Emotional Disorders. *Neurosci Bull* 2018, 34: 779-788.
21. Dong Z, Pan K, Pan J, Peng Q, Wang Y. The Possibility and Molecular Mechanisms of Cell Pyroptosis After Cerebral Ischemia. *Neurosci Bull* 2018, 34: 1131-1136.
22. Xu FF, Zhang ZB, Wang YY, Wang TH. Brain-Derived Glia Maturation Factor beta Participates in Lung Injury Induced by Acute Cerebral Ischemia by Increasing ROS in Endothelial Cells. *Neurosci Bull* 2018, 34: 1077-1090.
23. Ji MJ, Zhang XY, Peng XC, Zhang YX, Chen Z, Yu L, *et al.* Histamine Excites Rat GABAergic Ventral Pallidum Neurons via Co-activation of H1 and H2 Receptors. *Neurosci Bull* 2018, 34: 1029-1036.
24. Wu D, Hao Z, Ren H, Wang G. Loss of VAPB Regulates Autophagy in a Beclin

1-Dependent Manner. Neurosci Bull 2018, 34: 1037-1046.

**Cognition**

1. Zhao X, Tian L, Yan J, Yue W, Yan H, Zhang D. Abnormal Rich-Club Organization Associated with Compromised Cognitive Function in Patients with Schizophrenia and Their Unaffected Parents. *Neurosci Bull* 2017, 33: 445-454.
2. Wang Z, Liang S, Yu S, Xie T, Wang B, Wang J, *et al.* Distinct Roles of Dopamine Receptors in the Lateral Thalamus in a Rat Model of Decisional Impulsivity. *Neurosci Bull* 2017, 33: 413-422.
3. Wang G, He F, Xu Y, Zhang Y, Wang X, Zhou C, *et al.* Immunopotentiator Thymosin Alpha-1 Promotes Neurogenesis and Cognition in the Developing Mouse via a Systemic Th1 Bias. *Neurosci Bull* 2017, 33: 675-684.
4. Luo L, Ma J, Li Y, Hu Z, Jiang C, Cai H, *et al.* Cystatin C Induces Insulin Resistance in Hippocampal Neurons and Promotes Cognitive Dysfunction in Rodents. *Neurosci Bull* 2018, 34: 543-545.
5. Yang JT, Wang ZJ, Cai HY, Yuan L, Hu MM, Wu MN, *et al.* Sex Differences in Neuropathology and Cognitive Behavior in APP/PS1/tau Triple-Transgenic Mouse Model of Alzheimer's Disease. *Neurosci Bull* 2018, 34: 736-746.
6. Zhang YY, Xu L, Liang ZY, Wang K, Hou B, Zhou Y, *et al.* Separate Neural Networks for Gains and Losses in Intertemporal Choice. *Neurosci Bull* 2018, 34: 725-735.
7. Li H, Zeng J, Huang L, Wu D, Liu L, Liu Y, *et al.* Microarray Analysis of Gene Expression Changes in Neuroplastin 65-Knockout Mice: Implications for Abnormal Cognition and Emotional Disorders. *Neurosci Bull* 2018, 34: 779-788.

**Disorders of Consciousness**

- [1] Zou H, Bao W, Luo B. Altered Protein Profiling in Tears from Patients in a Traumatic Vegetative State. *Neurosci Bull* 2018, 34: 713-714.
- [2] Zhou F, Li H, Wang K, He Y, Chen Y, Ni X, *et al.* Finger or Light: Stimulation Sensitivity of Visual Startle in the Coma Recovery Scale-Revised for Disorders of Consciousness. *Neurosci Bull* 2018, 34: 709-712.
- [3] Zhao J. Disorders of Consciousness in China. *Neurosci Bull* 2018, 34: 605-614.
- [4] You W, Tang Q, Wu X, Feng J, Mao Q, Gao G, *et al.* Amplitude-Integrated Electroencephalography Predicts Outcome in Patients with Coma After Acute Brain Injury. *Neurosci Bull* 2018, 34: 639-646.
- [5] Xiao J, Pan J, He Y, Xie Q, Yu T, Huang H, *et al.* Visual Fixation Assessment in Patients with Disorders of Consciousness Based on Brain-Computer Interface. *Neurosci Bull* 2018, 34: 679-690.
- [6] Wang X, Fu R, Xia X, Chen X, Wu H, Landi N, *et al.* Spatial Properties of Mismatch Negativity in Patients with Disorders of Consciousness. *Neurosci Bull* 2018, 34: 700-708.
- [7] Tang Q, Zhang C, Wu X, Duan W, Weng W, Feng J, *et al.* Comprehensive Proteomic Profiling of Patients' Tears Identifies Potential Biomarkers for the Traumatic Vegetative State. *Neurosci Bull* 2018, 34: 626-638.
- [8] Li J, Shen J, Liu S, Chauvel M, Yang W, Mei J, *et al.* Responses of Patients with Disorders of Consciousness to Habit Stimulation: A Quantitative EEG Study. *Neurosci Bull* 2018, 34: 691-699.
- [9] Jiang T. Recent Progress in Basic and Clinical Research on Disorders of Consciousness. *Neurosci Bull* 2018, 34: 589-591.
- [10] Chen P, Xie Q, Wu X, Huang H, Lv W, Chen L, *et al.* Abnormal Effective Connectivity of the Anterior Forebrain Regions in Disorders of Consciousness. *Neurosci Bull* 2018, 34: 647-658.
- [11] Chai W, Han Z, Wang Z, Li Z, Xiao F, Sun Y, *et al.* Biophotonic Activity and Transmission Mediated by Mutual Actions of Neurotransmitters are Involved in the Origin and Altered States of Consciousness. *Neurosci Bull* 2018, 34: 534-538.

**Genetic studies**

1. Latremoliere A, Costigan M. Combining Human and Rodent Genetics to Identify New Analgesics. *Neurosci Bull* 2018, 34: 143-155.
2. Xu XX, Liu XR, Fan CY, Lai JX, Shi YW, Yang W, *et al.* Functional Investigation of a GRIN2A Variant Associated with Rolandic Epilepsy. *Neurosci Bull* 2018, 34: 237-246.
3. Bu B, Zhang L. A New Link Between Insulin Signaling and Fragile X Syndrome. *Neurosci Bull* 2017, 33: 118-120.
4. Lu S, Zhou J. Finding the 'Guilty' Gene Variant of Sporadic Parkinson's Disease Via CRISPR/Cas9. *Neurosci Bull* 2017, 33: 115-117.
5. Ma H, Li X, Lin A, Yuan Z, Zhou J, Yang X, *et al.* Associations Between PPP1R1B Gene Polymorphisms and Anxiety Levels in the Chinese Population. *Neurosci Bull* 2017, 33: 107-110.
6. Wei F, Yan LM, Su T, He N, Lin ZJ, Wang J, *et al.* Ion Channel Genes and Epilepsy: Functional Alteration, Pathogenic Potential, and Mechanism of Epilepsy. *Neurosci Bull*. 2017 Aug;33(4):455-477.
7. Wei F, Yan LM, Su T, He N, Lin ZJ, Wang J, *et al.* Ion Channel Genes and Epilepsy: Functional Alteration, Pathogenic Potential, and Mechanism of Epilepsy. *Neurosci Bull* 2017, 33: 455-477.
8. Luan ZL, Cui XH, Xu H, Lu HY, Li YY, Lu TL, *et al.* Association of MSI2 Gene Polymorphism with Age-at-Onset of Schizophrenia in a Chinese Population. *Neurosci Bull* 2017, 33: 731-733.
9. Lou F, Li M, Ren Y, Luo XG, Liu N, Li X. CLOCK rs1801260 Polymorphism is Associated with Susceptibility to Parkinson's Disease in a Chinese Population. *Neurosci Bull* 2017, 33: 734-736.
10. Yuan L, Song Z, Deng X, Yang Z, Yang Y, Guo Y, *et al.* Genetic Analysis of FBXO2, FBXO6, FBXO12, and FBXO41 Variants in Han Chinese Patients with Sporadic Parkinson's Disease. *Neurosci Bull* 2017, 33: 510-514.
11. Zhang Y, Yan H, Liao J, Yu H, Jiang S, Liu Q, *et al.* ZNF804A Variation May Affect Hippocampal-Prefrontal Resting-State Functional Connectivity in Schizophrenic and Healthy Individuals. *Neurosci Bull* 2018, 34: 507-516.
12. Wang M, Guo S, Yao W, Wang J, Tao J, Zhou Y, *et al.* Identification of Abnormal 51 CTA/CTG Expansion as Probably the Shortest Pathogenic Allele for Spinocerebellar Ataxia-8 in China. *Neurosci Bull* 2018, 34: 859-862.
13. Tang W, Chen Y, Fang X, Wang Y, Fan W, Zhang C. SIRT1 rs3758391 and Major Depressive Disorder: New Data and Meta-Analysis. *Neurosci Bull* 2018, 34: 863-866.

14. Tang W, Chen Y, Fang X, Wang Y, Fan W, Zhang C. SIRT1 rs3758391 and Major Depressive Disorder: New Data and Meta-Analysis. *Neurosci Bull* 2018, 34: 863-866.
15. Yu X, Hu L, Liu X, Zhan G, Mei M, Wang H, *et al.* A Novel MYCN Variant Associated with Intellectual Disability Regulates Neuronal Development. *Neurosci Bull* 2018, 34: 854-858.
16. Xu M, Ji Y, Zhang T, Jiang X, Fan Y, Geng J, *et al.* Clinical Application of Chromosome Microarray Analysis in Han Chinese Children with Neurodevelopmental Disorders. *Neurosci Bull* 2018, 34: 981-991.

**Glia**

1. Guo Z, Su Y, Lou H. GFAP-Positive Progenitor Cell Production is Concentrated in Specific Encephalic Regions in Young Adult Mice. *Neurosci Bull* 2018, 34: 769-778.
2. Chen G, Luo X, Qadri MY, Berta T, Ji RR. Sex-Dependent Glial Signaling in Pathological Pain: Distinct Roles of Spinal Microglia and Astrocytes. *Neurosci Bull* 2018, 34: 98-108.
3. Tsuda M. Modulation of Pain and Itch by Spinal Glia. *Neurosci Bull* 2018, 34: 178-185.
4. Zhou LJ, Liu XG. Glial Activation, A Common Mechanism Underlying Spinal Synaptic Plasticity? *Neurosci Bull* 2017, 33: 121-123.
5. Ho MS. Neuroglial Crosstalk by Mitochondria. *Neurosci Bull* 2017, 33: 111-112.
6. Ho MS. Neuroglial Crosstalk by Mitochondria. *Neurosci Bull*. 2017 Feb;33(1):111-112.
7. Fang X, Sun D, Wang Z, Yu Z, Liu W, Pu Y, *et al.* MiR-30a Positively Regulates the Inflammatory Response of Microglia in Experimental Autoimmune Encephalomyelitis. *Neurosci Bull*. 2017 Dec;33(6):603-615.
8. Chen G, Luo X, Qadri MY, Berta T, Ji RR. Sex-Dependent Glial Signaling in Pathological Pain: Distinct Roles of Spinal Microglia and Astrocytes. *Neurosci Bull* 2017.
9. Niu B, Zhang T, Hu H, Cao B. Transcriptome Sequencing Reveals Astrocytes as a Therapeutic Target in Heat-Stroke. *Neurosci Bull* 2017, 33: 627-640.
10. Fang X, Sun D, Wang Z, Yu Z, Liu W, Pu Y, *et al.* MiR-30a Positively Regulates the Inflammatory Response of Microglia in Experimental Autoimmune Encephalomyelitis. *Neurosci Bull* 2017, 33: 603-615.
11. Jiang C, Yang W, Fan Z, Teng P, Mei R, Yang J, *et al.* AATYK is a Novel Regulator of Oligodendrocyte Differentiation and Myelination. *Neurosci Bull* 2018, 34: 527-533.
12. Wang D, Zhang X, Wang M, Zhou D, Pan H, Shu Q, *et al.* Early Activation of Astrocytes does not Affect Amyloid Plaque Load in an Animal Model of Alzheimer's Disease. *Neurosci Bull* 2018, 34: 912-920.

**Ischemia, Epilepsy and Brain Injury**

1. Ji C, Zhu L, Chen C, Wang S, Zheng L, Li H. Volumetric Changes in Hippocampal Subregions and Memory Performance in Mesial Temporal Lobe Epilepsy with Hippocampal Sclerosis. *Neurosci Bull* 2018, 34: 389-396.
2. Xia Y, Xu W, Meng S, Lim NKH, Wang W, Huang FD. An Efficient and Reliable Assay for Investigating the Effects of Hypoxia/Anoxia on *Drosophila*. *Neurosci Bull* 2018, 34: 397-402.
3. Xu XX, Liu XR, Fan CY, Lai JX, Shi YW, Yang W, *et al.* Functional Investigation of a GRIN2A Variant Associated with Rolandic Epilepsy. *Neurosci Bull* 2018, 34: 237-246.
4. Zhu F, Kai J, Chen L, Wu M, Dong J, Wang Q, *et al.* Akt Inhibitor Perifosine Prevents Epileptogenesis in a Rat Model of Temporal Lobe Epilepsy. *Neurosci Bull* 2018, 34: 283-290.
5. Li D, Zhang L, Huang X, Liu L, He Y, Xu L, *et al.* WIP1 Phosphatase Plays a Critical Neuroprotective Role in Brain Injury Induced by High-Altitude Hypoxic Inflammation. *Neurosci Bull* 2017, 33: 292-298.
6. Chen L, Liu X, Wang H, Qu M. Gastrodin Attenuates Pentylentetrazole-Induced Seizures by Modulating the Mitogen-Activated Protein Kinase-Associated Inflammatory Responses in Mice. *Neurosci Bull* 2017, 33: 264-272.
7. Li Z, You Z, Li M, Pang L, Cheng J, Wang L. Protective Effect of Resveratrol on the Brain in a Rat Model of Epilepsy. *Neurosci Bull* 2017, 33: 273-280.
8. Su F, Guo AC, Li WW, Zhao YL, Qu ZY, Wang YJ, *et al.* Low-Dose Ethanol Preconditioning Protects Against Oxygen-Glucose Deprivation/Reoxygenation-Induced Neuronal Injury By Activating Large Conductance, Ca<sup>2+</sup>-Activated K<sup>+</sup> Channels In Vitro. *Neurosci Bull* 2017, 33: 28-40.
9. Wei F, Yan LM, Su T, He N, Lin ZJ, Wang J, *et al.* Ion Channel Genes and Epilepsy: Functional Alteration, Pathogenic Potential, and Mechanism of Epilepsy. *Neurosci Bull*. 2017 Aug;33(4):455-477.
10. Wang Y, Li WY, Li ZG, Guan LX, Deng LX. Transcriptional and Epigenetic Regulation in Injury-Mediated Neuronal Dendritic Plasticity. *Neurosci Bull*. 2017 Feb;33(1):85-94.
11. Wei F, Yan LM, Su T, He N, Lin ZJ, Wang J, *et al.* Ion Channel Genes and Epilepsy: Functional Alteration, Pathogenic Potential, and Mechanism of Epilepsy. *Neurosci Bull* 2017, 33: 455-477.
12. Niu B, Zhang T, Hu H, Cao B. Transcriptome Sequencing Reveals Astrocytes as a Therapeutic Target in Heat-Stroke. *Neurosci Bull*. 2017 Dec;33(6):627-640.



13. Zhu F, Kai J, Chen L, Wu M, Dong J, Wang Q, *et al.* Akt Inhibitor Perifosine Prevents Epileptogenesis in a Rat Model of Temporal Lobe Epilepsy. *Neurosci Bull.* 2017 Aug 7. doi: 10.1007/s12264-017-0165-7.
14. Xu XX, Luo JH. Mutations of N-Methyl-D-Aspartate Receptor Subunits in Epilepsy. *Neurosci Bull* 2018, 34: 549-565.
15. Chen M, Song C, Liu H. A Rarely Encountered Case: A Patient with Primary Pituitary Tuberculosis and Stroke. *Neurosci Bull* 2018, 34: 546-548.
16. Liang S, Jiang X, Zhang Q, Duan S, Zhang T, Huang Q, *et al.* Abnormal Metabolic Connectivity in Rats at the Acute Stage of Ischemic Stroke. *Neurosci Bull* 2018, 34: 715-724.
17. Dong Z, Pan K, Pan J, Peng Q, Wang Y. The Possibility and Molecular Mechanisms of Cell Pyroptosis After Cerebral Ischemia. *Neurosci Bull* 2018, 34: 1131-1136.
18. Xu FF, Zhang ZB, Wang YY, Wang TH. Brain-Derived Glia Maturation Factor beta Participates in Lung Injury Induced by Acute Cerebral Ischemia by Increasing ROS in Endothelial Cells. *Neurosci Bull* 2018, 34: 1077-1090.
19. Zhu Q, Ke W, He Q, Wang X, Zheng R, Li T, *et al.* Laminar Distribution of Neurochemically-Identified Interneurons and Cellular Co-expression of Molecular Markers in Epileptic Human Cortex. *Neurosci Bull* 2018, 34: 992-1006.
20. Chang YY, Gong XW, Gong HQ, Liang PJ, Zhang PM, Lu QC. GABAA Receptor Activity Suppresses the Transition from Inter-ictal to Ictal Epileptiform Discharges in Juvenile Mouse Hippocampus. *Neurosci Bull* 2018, 34: 1007-1016.
21. Su W, Guo J, Zhang Y, Zhou J, Chen N, Zhou M, *et al.* A Longitudinal Functional Magnetic Resonance Imaging Study of Working Memory in Patients Following a Transient Ischemic Attack: A Preliminary Study. *Neurosci Bull* 2018, 34: 963-971.
22. Hu HM, Li B, Wang XD, Guo YS, Hui H, Zhang HP, *et al.* Fluoxetine is Neuroprotective in Early Brain Injury via its Anti-inflammatory and Anti-apoptotic Effects in a Rat Experimental Subarachnoid Hemorrhage Model. *Neurosci Bull* 2018, 34: 951-962.

**Ion channel**

1. Bang S, Yoo J, Gong X, Liu D, Han Q, Luo X, *et al.* Differential Inhibition of Nav1.7 and Neuropathic Pain by Hybridoma-Produced and Recombinant Monoclonal Antibodies that Target Nav1.7 : Differential activities of Nav1.7-targeting monoclonal antibodies. *Neurosci Bull* 2018, 34: 22-41.
2. Chang W, Berta T, Kim YH, Lee S, Lee SY, Ji RR. Expression and Role of Voltage-Gated Sodium Channels in Human Dorsal Root Ganglion Neurons with Special Focus on Nav1.7, Species Differences, and Regulation by Paclitaxel. *Neurosci Bull* 2018, 34: 4-12.
3. Moore C, Gupta R, Jordt SE, Chen Y, Liedtke WB. Regulation of Pain and Itch by TRP Channels. *Neurosci Bull* 2018, 34: 120-142.
4. Chen X, Xue B, Wang J, Liu H, Shi L, Xie J. Potassium Channels: A Potential Therapeutic Target for Parkinson's Disease. *Neurosci Bull* 2018, 34: 341-348.
5. Su F, Guo AC, Li WW, Zhao YL, Qu ZY, Wang YJ, *et al.* Low-Dose Ethanol Preconditioning Protects Against Oxygen-Glucose Deprivation/Reoxygenation-Induced Neuronal Injury By Activating Large Conductance, Ca<sup>2+</sup>-Activated K<sup>+</sup> Channels In Vitro. *Neurosci Bull* 2017, 33: 28-40.
6. Chang W, Berta T, Kim YH, Lee S, Lee SY, Ji RR. Expression and Role of Voltage-Gated Sodium Channels in Human Dorsal Root Ganglion Neurons with Special Focus on Nav1.7, Species Differences, and Regulation by Paclitaxel. *Neurosci Bull*. 2017 Apr 19. doi: 10.1007/s12264-017-0132-3.
7. Wei F, Yan LM, Su T, He N, Lin ZJ, Wang J, *et al.* Ion Channel Genes and Epilepsy: Functional Alteration, Pathogenic Potential, and Mechanism of Epilepsy. *Neurosci Bull* 2017, 33: 455-477.
8. Kong X, Wei J, Wang D, Zhu X, Zhou Y, Wang S, *et al.* Upregulation of Spinal Voltage-Dependent Anion Channel 1 Contributes to Bone Cancer Pain Hypersensitivity in Rats. *Neurosci Bull* 2017, 33: 711-721.
9. Zhou G, Jiao Y, Zhou Y, Qin S, Tao J, Jiang F, *et al.* Up-Regulation of Akt and Nav1.8 in BmK I-Induced Pain. *Neurosci Bull* 2018, 34: 539-542.
10. Xu XX, Luo JH. Mutations of N-Methyl-D-Aspartate Receptor Subunits in Epilepsy. *Neurosci Bull* 2018, 34: 549-565.
11. Li Y, Xu J, Xu Y, Zhao XY, Liu Y, Wang J, *et al.* Regulatory Effect of General Anesthetics on Activity of Potassium Channels. *Neurosci Bull* 2018, 34: 887-900.

**Learning and Memory**

1. Han SL, Xu TL. Unraveling the Mechanisms of Memory Extinction. *Neurosci Bull* 2018, 34: 385-388.
2. Ni B, Wu R, Yu T, Zhu H, Li Y, Liu Z. Role of the Hippocampus in Distinct Memory Traces: Timing of Match and Mismatch Enhancement Revealed by Intracranial Recording. *Neurosci Bull* 2017, 33: 664-674.
3. Lin X, Han Y, Li P, Shi L, Lu L. Economic "Activity-Silent" Synaptic Mechanisms of Working Memory. *Neurosci Bull* 2017, 33: 760-762.
4. Lu Y, Zhu ZG, Ma QQ, Su YT, Han Y, Wang X, *et al.* A Critical Time-Window for the Selective Induction of Hippocampal Memory Consolidation by a Brief Episode of Slow-Wave Sleep. *Neurosci Bull* 2018, 34: 1091-1099.
5. Su W, Guo J, Zhang Y, Zhou J, Chen N, Zhou M, *et al.* A Longitudinal Functional Magnetic Resonance Imaging Study of Working Memory in Patients Following a Transient Ischemic Attack: A Preliminary Study. *Neurosci Bull* 2018, 34: 963-971.

**Model Organism**

1. Xia Y, Xu W, Meng S, Lim NKH, Wang W, Huang FD. An Efficient and Reliable Assay for Investigating the Effects of Hypoxia/Anoxia on *Drosophila*. *Neurosci Bull* 2018, 34: 397-402.
2. Li K, Gong Z. Feeling Hot and Cold: Thermal Sensation in *Drosophila*. *Neurosci Bull* 2017, 33: 317-322.
3. Mu Z, Zhang S, He C, Hou H, Liu D, Hu N, *et al.* Expression of SoxC Transcription Factors during Zebrafish Retinal and Optic Nerve Regeneration. *Neurosci Bull* 2017, 33: 53-61.
4. Leigh WA, Zhang Y. A Longer Siesta? DN1s in Control! *Neurosci Bull*. 2017 Feb;33(1):113-114.
5. Mu Z, Zhang S, He C, Hou H, Liu D, Hu N, *et al.* Expression of SoxC Transcription Factors during Zebrafish Retinal and Optic Nerve Regeneration. *Neurosci Bull*. 2017 Feb;33(1):53-61.
6. Tian Y, Zhang ZC, Han J. *Drosophila* Studies on Autism Spectrum Disorders. *Neurosci Bull* 2017, 33: 737-746.
7. Ho MS. A Shared Neural Node for Multiple Innate Behaviors in *Drosophila*. *Neurosci Bull* 2018, 34: 1103-1104.
8. Zhang W, Guo C, Chen D, Peng Q, Pan Y. Hierarchical Control of *Drosophila* Sleep, Courtship, and Feeding Behaviors by Male-Specific P1 Neurons. *Neurosci Bull* 2018, 34: 1105-1110.
9. Sun Y, Jia Y, Guo Y, Chen F, Yan Z. Taurine Transporter dEAAT2 is Required for Auditory Transduction in *Drosophila*. *Neurosci Bull* 2018, 34: 939-950.
10. Fei Y, Zhu D, Sun Y, Gong C, Huang S, Gong Z. Repeated Failure in Reward Pursuit Alters Innate *Drosophila* Larval Behaviors. *Neurosci Bull* 2018, 34: 901-911.
- 11.

**MicroRNA**

1. Abidin SZ, Leong JW, Mahmoudi M, Nordin N, Abdullah S, Cheah PS, *et al.* In Silico Prediction and Validation of Gfap as an miR-3099 Target in Mouse Brain. *Neurosci Bull* 2017, 33: 373-382.
2. Wang Y, Yang Z, Le W. Tiny But Mighty: Promising Roles of MicroRNAs in the Diagnosis and Treatment of Parkinson's Disease. *Neurosci Bull.* 2017 Oct;33(5):543-551.
3. Fang X, Sun D, Wang Z, Yu Z, Liu W, Pu Y, *et al.* MiR-30a Positively Regulates the Inflammatory Response of Microglia in Experimental Autoimmune Encephalomyelitis. *Neurosci Bull* 2017, 33: 603-615.

**Myelin and Demyelination**

1. Shi Y, Shao Q, Li Z, Gonzalez GA, Lu F, Wang D, *et al.* Myt1L Promotes Differentiation of Oligodendrocyte Precursor Cells and is Necessary for Remyelination After Lysolecithin-Induced Demyelination. *Neurosci Bull* 2018, 34: 247-260.

**Neurodegeneration**

1. Peng C, Zhu G, Liu X, Li H. Mutant Huntingtin Causes a Selective Decrease in the Expression of Synaptic Vesicle Protein 2C. *Neurosci Bull* 2018, 34: 747-758.
2. Chen X, Xue B, Wang J, Liu H, Shi L, Xie J. Potassium Channels: A Potential Therapeutic Target for Parkinson's Disease. *Neurosci Bull* 2018, 34: 341-348.
3. Liu ZY, Liu FT, Zuo CT, Koprach JB, Wang J. Update on Molecular Imaging in Parkinson's Disease. *Neurosci Bull* 2018, 34: 330-340.
4. Panaro MA, Aloisi A, Nicolardi G, Lofrumento DD, De Nuccio F, La Pesa V, *et al.* Radio Electric Asymmetric Conveyer Technology Modulates Neuroinflammation in a Mouse Model of Neurodegeneration. *Neurosci Bull* 2018, 34: 270-282.
5. Song N, Xie J. Iron, Dopamine, and alpha-Synuclein Interactions in at-Risk Dopaminergic Neurons in Parkinson's Disease. *Neurosci Bull* 2018, 34: 382-384.
6. Wei YP, Ye JW, Wang X, Zhu LP, Hu QH, Wang Q, *et al.* Tau-Induced Ca(2+)/Calmodulin-Dependent Protein Kinase-IV Activation Aggravates Nuclear Tau Hyperphosphorylation. *Neurosci Bull* 2018, 34: 261-269.
7. Yu Q, Zhong C. Membrane Aging as the Real Culprit of Alzheimer's Disease: Modification of a Hypothesis. *Neurosci Bull* 2018, 34: 369-381.
8. Zhu Y, Zhang H. A Mouse Model of Alzheimer's Disease with Transplanted Stem-Cell-Derived Human Neurons. *Neurosci Bull* 2017, 33: 766-768.
9. Yang A, Wang C, Song B, Zhang W, Guo Y, Yang R, *et al.* Attenuation of beta-Amyloid Toxicity In Vitro and In Vivo by Accelerated Aggregation. *Neurosci Bull* 2017.
10. Yang A, Wang C, Song B, Zhang W, Guo Y, Yang R, *et al.* Attenuation of beta-Amyloid Toxicity In Vitro and In Vivo by Accelerated Aggregation. *Neurosci Bull* 2017, 33: 405-412.
11. Wu X, Zheng T, Zhang B. Exosomes in Parkinson's Disease. *Neurosci Bull* 2017, 33: 331-338.
12. Lu S, Zhou J. Finding the 'Guilty' Gene Variant of Sporadic Parkinson's Disease Via CRISPR/Cas9. *Neurosci Bull* 2017, 33: 115-117.
13. Li S, Wang Y, Wang F, Hu LF, Liu CF. A New Perspective for Parkinson's Disease: Circadian Rhythm. *Neurosci Bull* 2017, 33: 62-72.
14. Yue F, Zeng S, Tang R, Tao G, Chan P. MPTP Induces Systemic Parkinsonism in Middle-Aged Cynomolgus Monkeys: Clinical Evolution and Outcomes. *Neurosci Bull* 2017, 33: 17-27.

15. Yuan L, Song Z, Deng X, Yang Z, Yang Y, Guo Y, *et al.* Genetic Analysis of FBXO2, FBXO6, FBXO12, and FBXO41 Variants in Han Chinese Patients with Sporadic Parkinson's Disease. *Neurosci Bull.* 2017 Oct;33(5):510-514.
16. Tang T, Li Y, Jiao Q, Du X, Jiang H. Cerebral Dopamine Neurotrophic Factor: A Potential Therapeutic Agent for Parkinson's Disease. *Neurosci Bull.* 2017 Oct;33(5):568-575.
17. Guan X, Xu X, Zhang M. Region-Specific Iron Measured by MRI as a Biomarker for Parkinson's Disease. *Neurosci Bull.* 2017 Oct;33(5):561-567.
18. Yue F, Zeng S, Tang R, Tao G, Chan P. MPTP Induces Systemic Parkinsonism in Middle-Aged Cynomolgus Monkeys: Clinical Evolution and Outcomes. *Neurosci Bull.* 2017 Feb;33(1):17-27.
19. Lu S, Zhou J. Finding the 'Guilty' Gene Variant of Sporadic Parkinson's Disease Via CRISPR/Cas9. *Neurosci Bull.* 2017 Feb;33(1):115-117.
20. Wang R, Yang S, Nie T, Zhu G, Feng D, Yang Q. Transcription Factors: Potential Cell Death Markers in Parkinson's Disease. *Neurosci Bull.* 2017 Oct;33(5):552-560.
21. Lou F, Li M, Ren Y, Luo XG, Liu N, Li X. CLOCK rs1801260 Polymorphism is Associated with Susceptibility to Parkinson's Disease in a Chinese Population. *Neurosci Bull.* 2017 Dec;33(6):734-736.
22. Reichmann H. Premotor Diagnosis of Parkinson's Disease. *Neurosci Bull.* 2017 Oct;33(5):526-534.
23. Jin H, Zhang JR, Shen Y, Liu CF. Clinical Significance of REM Sleep Behavior Disorders and Other Non-motor Symptoms of Parkinsonism. *Neurosci Bull.* 2017 Oct;33(5):576-584.
24. Li HL, Zhang YB, Wu ZY. Development of Research on Huntington Disease in China. *Neurosci Bull* 2017, 33: 312-316.
25. Wang Y, Yang Z, Le W. Tiny But Mighty: Promising Roles of MicroRNAs in the Diagnosis and Treatment of Parkinson's Disease. *Neurosci Bull.* 2017 Oct;33(5):543-551.
26. Wei YP, Ye JW, Wang X, Zhu LP, Hu QH, Wang Q, *et al.* Tau-Induced Ca<sup>2+</sup>/Calmodulin-Dependent Protein Kinase-IV Activation Aggravates Nuclear Tau Hyperphosphorylation. *Neurosci Bull* 2017. doi: 10.1007/s12264-017-0148-8.
27. Wang QH, Wang X, Bu XL, Lian Y, Xiang Y, Luo HB, *et al.* Comorbidity Burden of Dementia: A Hospital-Based Retrospective Study from 2003 to 2012 in Seven Cities in China. *Neurosci Bull* 2017, 33: 703-710.
28. Fu K, Wang Y, Guo D, Wang G, Ren H. Familial Parkinson's Disease-Associated L166P Mutant DJ-1 is Cleaved by Mitochondrial Serine Protease Omi/HtrA2. *Neurosci Bull* 2017, 33: 685-694.



29. Zhong CB, Chen QQ, Haikal C, Li W, Svanbergsson A, Diepenbroek M, *et al.* Age-Dependent Alpha-Synuclein Accumulation and Phosphorylation in the Enteric Nervous System in a Transgenic Mouse Model of Parkinson's Disease. *Neurosci Bull* 2017, 33: 483-492.
30. Zeng Q, Guan X, Law Yan Lun JCF, Shen Z, Guo T, Xuan M, *et al.* Longitudinal Alterations of Local Spontaneous Brain Activity in Parkinson's Disease. *Neurosci Bull* 2017, 33: 501-509.
31. Yuan L, Song Z, Deng X, Yang Z, Yang Y, Guo Y, *et al.* Genetic Analysis of FBXO2, FBXO6, FBXO12, and FBXO41 Variants in Han Chinese Patients with Sporadic Parkinson's Disease. *Neurosci Bull* 2017, 33: 510-514.
32. Lotankar S, Prabhavalkar KS, Bhatt LK. Biomarkers for Parkinson's Disease: Recent Advancement. *Neurosci Bull* 2017, 33: 585-597.
33. Li S, Le W. Milestones of Parkinson's Disease Research: 200 Years of History and Beyond. *Neurosci Bull* 2017, 33: 598-602.
34. Li S, Le W. Biomarker Discovery in Parkinson's Disease: Present Challenges and Future Opportunities. *Neurosci Bull* 2017, 33: 481-482.
35. Le W, Dong J, Li S, Korczyn AD. Can Biomarkers Help the Early Diagnosis of Parkinson's Disease? *Neurosci Bull* 2017, 33: 535-542.
36. Jin H, Zhang JR, Shen Y, Liu CF. Clinical Significance of REM Sleep Behavior Disorders and Other Non-motor Symptoms of Parkinsonism. *Neurosci Bull* 2017, 33: 576-584.
37. Guan X, Xu X, Zhang M. Region-Specific Iron Measured by MRI as a Biomarker for Parkinson's Disease. *Neurosci Bull* 2017, 33: 561-567.
38. Fullard ME, Morley JF, Duda JE. Olfactory Dysfunction as an Early Biomarker in Parkinson's Disease. *Neurosci Bull* 2017, 33: 515-525.
39. Cen L, Yang C, Huang S, Zhou M, Tang X, Li K, *et al.* Peripheral Lymphocyte Subsets as a Marker of Parkinson's Disease in a Chinese Population. *Neurosci Bull* 2017, 33: 493-500.
40. Wang Y, Liu J, Wang X. Electroacupuncture Alleviates Motor Symptoms and Up-Regulates Vesicular Glutamatergic Transporter 1 Expression in the Subthalamic Nucleus in a Unilateral 6-Hydroxydopamine-Lesioned Hemi-Parkinsonian Rat Model. *Neurosci Bull* 2018, 34: 476-484.
41. Liu X, Peng T, Li H. Using Huntingtin Knock-In Minipigs to Fill the Gap Between Mouse Models and Patients with Huntington's Disease. *Neurosci Bull* 2018, 34: 870-872.
42. Yang JT, Wang ZJ, Cai HY, Yuan L, Hu MM, Wu MN, *et al.* Sex Differences in Neuropathology and Cognitive Behavior in APP/PS1/tau Triple-Transgenic Mouse

Model of Alzheimer's Disease. *Neurosci Bull* 2018, 34: 736-746.

43. Lu MH, Zhao XY, Yao PP, Xu DE, Ma QH. The Mitochondrion: A Potential Therapeutic Target for Alzheimer's Disease. *Neurosci Bull* 2018, 34: 1127-1130.
44. Wang D, Zhang X, Wang M, Zhou D, Pan H, Shu Q, *et al.* Early Activation of Astrocytes does not Affect Amyloid Plaque Load in an Animal Model of Alzheimer's Disease. *Neurosci Bull* 2018, 34: 912-920.
45. Sun BL, Li WW, Zhu C, Jin WS, Zeng F, Liu YH, *et al.* Clinical Research on Alzheimer's Disease: Progress and Perspectives. *Neurosci Bull* 2018, 34: 1111-1118.

**Neurodevelopment**

1. Shi Y, Shao Q, Li Z, Gonzalez GA, Lu F, Wang D, *et al.* Myt1L Promotes Differentiation of Oligodendrocyte Precursor Cells and is Necessary for Remyelination After Lysolecithin-Induced Demyelination. *Neurosci Bull* 2018, 34: 247-260.
2. Xu H, Yue C, Zhang T, Li Y, Guo A, Liao J, *et al.* Derivation of Haploid Neurons from Mouse Androgenetic Haploid Embryonic Stem Cells. *Neurosci Bull* 2017, 33: 361-364.
3. Mu Z, Zhang S, He C, Hou H, Liu D, Hu N, *et al.* Expression of SoxC Transcription Factors during Zebrafish Retinal and Optic Nerve Regeneration. *Neurosci Bull* 2017, 33: 53-61.
4. Guo S, Palanski BA, Kloeck C, Khosla C, Cui B. Intracellular TG2 Activity Increases Microtubule Stability but is not Sufficient to Prompt Neurite Growth. *Neurosci Bull* 2017, 33: 103-106.
5. Liu F, Ni JJ, Sun FY. Expression of Phospho-MeCP2s in the Developing Rat Brain and Function of Postnatal MeCP2 in Cerebellar Neural Cell Development. *Neurosci Bull* 2017, 33: 1-16.
6. Fan L, Jiang T. Mapping Underlying Maturational Changes in Human Brain. *Neurosci Bull.* 2017 Aug;33(4):478-480.
7. Guo S, Palanski BA, Kloeck C, Khosla C, Cui B. Intracellular TG2 Activity Increases Microtubule Stability but is not Sufficient to Prompt Neurite Growth. *Neurosci Bull.* 2017 Feb;33(1):103-106.
8. Mu Z, Zhang S, He C, Hou H, Liu D, Hu N, *et al.* Expression of SoxC Transcription Factors during Zebrafish Retinal and Optic Nerve Regeneration. *Neurosci Bull.* 2017 Feb;33(1):53-61.
9. Wang G, He F, Xu Y, Zhang Y, Wang X, Zhou C, *et al.* Immunopotentiator Thymosin Alpha-1 Promotes Neurogenesis and Cognition in the Developing Mouse via a Systemic Th1 Bias. *Neurosci Bull.* 2017 Dec;33(6):675-684.
10. Wang X, Jiao X, Liu Z, Li Y. Crocetin Potentiates Neurite Growth in Hippocampal Neurons and Facilitates Functional Recovery in Rats with Spinal Cord Injury. *Neurosci Bull.* 2017 Dec;33(6):695-702.
11. Wang X, Jiao X, Liu Z, Li Y. Crocetin Potentiates Neurite Growth in Hippocampal Neurons and Facilitates Functional Recovery in Rats with Spinal Cord Injury. *Neurosci Bull* 2017, 33: 695-702.
12. Wang G, He F, Xu Y, Zhang Y, Wang X, Zhou C, *et al.* Immunopotentiator Thymosin Alpha-1 Promotes Neurogenesis and Cognition in the Developing Mouse via a Systemic Th1 Bias. *Neurosci Bull* 2017, 33: 675-684.

13. Guo Y, Liu Z, Chen YK, Chai Z, Zhou C, Zhang Y. Neurons with Multiple Axons Have Functional Axon Initial Segments. *Neurosci Bull* 2017, 33: 641-652.
14. Li WY, Zhang WT, Cheng YX, Liu YC, Zhai FG, Sun P, *et al.* Inhibition of KLF7-Targeting MicroRNA 146b Promotes Sciatic Nerve Regeneration. *Neurosci Bull* 2018, 34: 419-437.
15. Xu M, Ji Y, Zhang T, Jiang X, Fan Y, Geng J, *et al.* Clinical Application of Chromosome Microarray Analysis in Han Chinese Children with Neurodevelopmental Disorders. *Neurosci Bull* 2018, 34: 981-991.

**Neuroendocrine**

1. Tang T, Li Y, Jiao Q, Du X, Jiang H. Cerebral Dopamine Neurotrophic Factor: A Potential Therapeutic Agent for Parkinson's Disease. *Neurosci Bull.* 2017 Oct;33(5):568-575.
2. Bu B, Zhang L. A New Link Between Insulin Signaling and Fragile X Syndrome. *Neurosci Bull* 2017, 33: 118-120.
3. Luo L, Ma J, Li Y, Hu Z, Jiang C, Cai H, *et al.* Cystatin C Induces Insulin Resistance in Hippocampal Neurons and Promotes Cognitive Dysfunction in Rodents. *Neurosci Bull* 2018, 34: 543-545.

**Physiological Events**

1. Chen LM. Cortical Representation of Pain and Touch: Evidence from Combined Functional Neuroimaging and Electrophysiology in Non-human Primates. *Neurosci Bull* 2018, 34: 165-177.
2. Chen Z, Parkkonen L, Wei J, Dong JR, Ma Y, Carlson S. Prepulse Inhibition of Auditory Cortical Responses in the Caudolateral Superior Temporal Gyrus in *Macaca mulatta*. *Neurosci Bull* 2018, 34: 291-302.
3. Li B, Cui LB, Xi YB, Friston KJ, Guo F, Wang HN, *et al.* Abnormal Effective Connectivity in the Brain is Involved in Auditory Verbal Hallucinations in Schizophrenia. *Neurosci Bull* 2017, 33: 281-291.
4. Li S, Wang Y, Wang F, Hu LF, Liu CF. A New Perspective for Parkinson's Disease: Circadian Rhythm. *Neurosci Bull* 2017, 33: 62-72.
5. Ma C, Ma X, Fan J, He J. Neurons in Primary Motor Cortex Encode Hand Orientation in a Reach-to-Grasp Task. *Neurosci Bull.* 2017 Aug;33(4):383-395.
6. Leigh WA, Zhang Y. A Longer Siesta? DN1s in Control! *Neurosci Bull.* 2017 Feb;33(1):113-114.
7. Gao HR, Zhuang QX, Zhang YX, Chen ZP, Li B, Zhang XY, *et al.* Orexin Directly Enhances the Excitability of Globus Pallidus Internus Neurons in Rat by Co-activating OX1 and OX2 Receptors. *Neurosci Bull* 2017, 33: 365-372.
8. Jin H, Zhang JR, Shen Y, Liu CF. Clinical Significance of REM Sleep Behavior Disorders and Other Non-motor Symptoms of Parkinsonism. *Neurosci Bull.* 2017 Oct;33(5):576-584.
9. Bi T, Fang F. Impaired Face Perception in Individuals with Autism Spectrum Disorder: Insights on Diagnosis and Treatment. *Neurosci Bull* 2017, 33: 757-759.
10. Qi R, Li J, Wu X, Geng X, Chen N, Yu H. Effects of Ketamine on Basal Gamma Band Oscillation and Sensory Gating in Prefrontal Cortex of Awake Rats. *Neurosci Bull* 2018, 34: 457-464.
11. Chai W, Han Z, Wang Z, Li Z, Xiao F, Sun Y, *et al.* Biophotonic Activity and Transmission Mediated by Mutual Actions of Neurotransmitters are Involved in the Origin and Altered States of Consciousness. *Neurosci Bull* 2018, 34: 534-538.
12. Yang LC, Ren P, Ma YY. Anodal Transcranial Direct-Current Stimulation Over the Right Dorsolateral Prefrontal Cortex Influences Emotional Face Perception. *Neurosci Bull* 2018, 34: 842-848.
13. Ho MS. A Shared Neural Node for Multiple Innate Behaviors in *Drosophila*. *Neurosci Bull* 2018, 34: 1103-1104.

14. Zhou X, Lei X. Wandering Minds with Wandering Brain Networks. *Neurosci Bull* 2018, 34: 1017-1028.
15. Sun Y, Jia Y, Guo Y, Chen F, Yan Z. Taurine Transporter dEAAT2 is Required for Auditory Transduction in *Drosophila*. *Neurosci Bull* 2018, 34: 939-950.

**Sensation, Pain and Itch**

1. Reddan MC, Wager TD. Modeling Pain Using fMRI: From Regions to Biomarkers. *Neurosci Bull* 2018, 34: 208-215.
2. Moore C, Gupta R, Jordt SE, Chen Y, Liedtke WB. Regulation of Pain and Itch by TRP Channels. *Neurosci Bull* 2018, 34: 120-142.
3. Miao X, Huang Y, Liu TT, Guo R, Wang B, Wang XL, *et al.* TNF-alpha/TNFR1 Signaling is Required for the Full Expression of Acute and Chronic Itch in Mice via Peripheral and Central Mechanisms. *Neurosci Bull* 2018, 34: 42-53.
4. Li C, Wang S, Chen Y, Zhang X. Somatosensory Neuron Typing with High-Coverage Single-Cell RNA Sequencing and Functional Analysis. *Neurosci Bull* 2018, 34: 200-207.
5. Li AL, Zhang JD, Xie W, Strong JA, Zhang JM. Inflammatory Changes in Paravertebral Sympathetic Ganglia in Two Rat Pain Models. *Neurosci Bull* 2018, 34: 85-97.
6. Latremoliere A, Costigan M. Combining Human and Rodent Genetics to Identify New Analgesics. *Neurosci Bull* 2018, 34: 143-155.
7. Jing PB, Cao DL, Li SS, Zhu M, Bai XQ, Wu XB, *et al.* Chemokine Receptor CXCR3 in the Spinal Cord Contributes to Chronic Itch in Mice. *Neurosci Bull* 2018, 34: 54-63.
8. Ji RR. Recent Progress in Understanding the Mechanisms of Pain and Itch: the Second Special Issue. *Neurosci Bull* 2018, 34: 1-3.
9. Guo QH, Tong QH, Lu N, Cao H, Yang L, Zhang YQ. Proteomic Analysis of the Hippocampus in Mouse Models of Trigeminal Neuralgia and Inescapable Shock-Induced Depression. *Neurosci Bull* 2018, 34: 74-84.
10. Duan B, Cheng L, Ma Q. Spinal Circuits Transmitting Mechanical Pain and Itch. *Neurosci Bull* 2018, 34: 186-193.
11. Chiu IM. Infection, Pain, and Itch. *Neurosci Bull* 2018, 34: 109-119.
12. Chen LM. Cortical Representation of Pain and Touch: Evidence from Combined Functional Neuroimaging and Electrophysiology in Non-human Primates. *Neurosci Bull* 2018, 34: 165-177.
13. Chen J. Empathy for Distress in Humans and Rodents. *Neurosci Bull* 2018, 34: 216-236.
14. Chen G, Luo X, Qadri MY, Berta T, Ji RR. Sex-Dependent Glial Signaling in Pathological Pain: Distinct Roles of Spinal Microglia and Astrocytes. *Neurosci Bull* 2018, 34: 98-108.



15. Chang W, Berta T, Kim YH, Lee S, Lee SY, Ji RR. Expression and Role of Voltage-Gated Sodium Channels in Human Dorsal Root Ganglion Neurons with Special Focus on Nav1.7, Species Differences, and Regulation by Paclitaxel. *Neurosci Bull* 2018, 34: 4-12.
16. Barry DM, Munanairi A, Chen ZF. Spinal Mechanisms of Itch Transmission. *Neurosci Bull* 2018, 34: 156-164.
17. Bang S, Yoo J, Gong X, Liu D, Han Q, Luo X, *et al.* Differential Inhibition of Nav1.7 and Neuropathic Pain by Hybridoma-Produced and Recombinant Monoclonal Antibodies that Target Nav1.7 : Differential activities of Nav1.7-targeting monoclonal antibodies. *Neurosci Bull* 2018, 34: 22-41.
18. Anderson M, Zheng Q, Dong X. Investigation of Pain Mechanisms by Calcium Imaging Approaches. *Neurosci Bull* 2018, 34: 194-199.
19. Tsuda M. Modulation of Pain and Itch by Spinal Glia. *Neurosci Bull* 2018, 34: 178-185.
20. Wang ZC, Li LH, Bian C, Yang L, Lv N, Zhang YQ. Involvement of NF-kappaB and the CX3CR1 Signaling Network in Mechanical Allodynia Induced by Tetanic Sciatic Stimulation. *Neurosci Bull* 2018, 34: 64-73.
21. Xie RG, Gao YJ, Park CK, Lu N, Luo C, Wang WT, *et al.* Spinal CCL2 Promotes Central Sensitization, Long-Term Potentiation, and Inflammatory Pain via CCR2: Further Insights into Molecular, Synaptic, and Cellular Mechanisms. *Neurosci Bull* 2018, 34: 13-21.
22. Hu ZJ, Han W, Cao CQ, Mao-Ying QL, Mi WL, Wang YQ. Peripheral Leptin Signaling Mediates Formalin-Induced Nociception. *Neurosci Bull* 2018, 34: 321-329.
23. Chen LM. Cortical Representation of Pain and Touch: Evidence from Combined Functional Neuroimaging and Electrophysiology in Non-human Primates. *Neurosci Bull* 2017.
24. Chiu IM. Infection, Pain, and Itch. *Neurosci Bull* 2017.
25. Chen J. Empathy for Distress in Humans and Rodents. *Neurosci Bull* 2017.
26. Duan B, Cheng L, Ma Q. Spinal Circuits Transmitting Mechanical Pain and Itch. *Neurosci Bull* 2017.
27. Jing PB, Cao DL, Li SS, Zhu M, Bai XQ, Wu XB, *et al.* Chemokine Receptor CXCR3 in the Spinal Cord Contributes to Chronic Itch in Mice. *Neurosci Bull* 2017.
28. Li AL, Zhang JD, Xie W, Strong JA, Zhang JM. Inflammatory Changes in Paravertebral Sympathetic Ganglia in Two Rat Pain Models. *Neurosci Bull* 2017.

29. Miao X, Huang Y, Liu TT, Guo R, Wang B, Wang XL, *et al.* TNF-alpha/TNFR1 Signaling is Required for the Full Expression of Acute and Chronic Itch in Mice via Peripheral and Central Mechanisms. *Neurosci Bull* 2017.
30. Tsuda M. Modulation of Pain and Itch by Spinal Glia. *Neurosci Bull* 2017.
31. Xie RG, Gao YJ, Park CK, Lu N, Luo C, Wang WT, *et al.* Spinal CCL2 Promotes Central Sensitization, Long-Term Potentiation, and Inflammatory Pain via CCR2: Further Insights into Molecular, Synaptic, and Cellular Mechanisms. *Neurosci Bull* 2017.
32. Barry DM, Munanairi A, Chen ZF. Spinal Mechanisms of Itch Transmission. *Neurosci Bull* 2017.
33. Chang W, Berta T, Kim YH, Lee S, Lee SY, Ji RR. Expression and Role of Voltage-Gated Sodium Channels in Human Dorsal Root Ganglion Neurons with Special Focus on Nav1.7, Species Differences, and Regulation by Paclitaxel. *Neurosci Bull* 2017.
34. Anderson M, Zheng Q, Dong X. Investigation of Pain Mechanisms by Calcium Imaging Approaches. *Neurosci Bull* 2017.
35. Zhou FM, Cheng RX, Wang S, Huang Y, Gao YJ, Zhou Y, *et al.* Antioxidants Attenuate Acute and Chronic Itch: Peripheral and Central Mechanisms of Oxidative Stress in Pruritus. *Neurosci Bull* 2017, 33: 423-435.
36. Latremoliere A, Costigan M. Combining Human and Rodent Genetics to Identify New Analgesics. *Neurosci Bull* 2017.
37. Reddan MC, Wager TD. Modeling Pain Using fMRI: From Regions to Biomarkers. *Neurosci Bull* 2017.
38. Kong X, Wei J, Wang D, Zhu X, Zhou Y, Wang S, *et al.* Upregulation of Spinal Voltage-Dependent Anion Channel 1 Contributes to Bone Cancer Pain Hypersensitivity in Rats. *Neurosci Bull* 2017, 33: 711-721.
39. Zhou G, Jiao Y, Zhou Y, Qin S, Tao J, Jiang F, *et al.* Up-Regulation of Akt and Nav1.8 in BmK I-Induced Pain. *Neurosci Bull* 2018, 34: 539-542.
40. Xu L, Wan Y, Ma L, Zheng J, Han B, Liu FY, *et al.* A Context-Based Analgesia Model in Rats: Involvement of Prefrontal Cortex. *Neurosci Bull* 2018, 34: 1047-1057.

**Spinal Cord Injury**

1. Wang X, Jiao X, Liu Z, Li Y. Crocetin Potentiates Neurite Growth in Hippocampal Neurons and Facilitates Functional Recovery in Rats with Spinal Cord Injury. *Neurosci Bull.* 2017 Dec;33(6):695-702.
2. Wang X, Jiao X, Liu Z, Li Y. Crocetin Potentiates Neurite Growth in Hippocampal Neurons and Facilitates Functional Recovery in Rats with Spinal Cord Injury. *Neurosci Bull* 2017, 33: 695-702.

**Synaptic plasticity, Neurotransmitters, and Receptors**

1. Barry DM, Munanairi A, Chen ZF. Spinal Mechanisms of Itch Transmission. *Neurosci Bull* 2018, 34: 156-164.
2. Mirza FJ, Zahid S. The Role of Synapsins in Neurological Disorders. *Neurosci Bull* 2018, 34: 349-358.
3. Song N, Xie J. Iron, Dopamine, and alpha-Synuclein Interactions in at-Risk Dopaminergic Neurons in Parkinson's Disease. *Neurosci Bull* 2018, 34: 382-384.
4. He C, Hu Z. Homeostasis of Synapses: Expansion During Wakefulness, Contraction During Sleep. *Neurosci Bull* 2017, 33: 359-360.
5. Huang X, Ni W, Zhang C. Calcium-Impermeable NMDA Receptor: A Novel Target for Addiction. *Neurosci Bull* 2017, 33: 357-358.
6. Zhou LJ, Liu XG. Glial Activation, A Common Mechanism Underlying Spinal Synaptic Plasticity? *Neurosci Bull* 2017, 33: 121-123.
7. Wang Y, Li WY, Li ZG, Guan LX, Deng LX. Transcriptional and Epigenetic Regulation in Injury-Mediated Neuronal Dendritic Plasticity. *Neurosci Bull* 2017, 33: 85-94.
8. Wang Y, Li WY, Li ZG, Guan LX, Deng LX. Transcriptional and Epigenetic Regulation in Injury-Mediated Neuronal Dendritic Plasticity. *Neurosci Bull*. 2017 Feb;33(1):85-94.
9. Gao HR, Zhuang QX, Zhang YX, Chen ZP, Li B, Zhang XY, *et al*. Orexin Directly Enhances the Excitability of Globus Pallidus Internus Neurons in Rat by Co-activating OX1 and OX2 Receptors. *Neurosci Bull* 2017, 33: 365-372.
10. Lin X, Han Y, Li P, Shi L, Lu L. Economic "Activity-Silent" Synaptic Mechanisms of Working Memory. *Neurosci Bull*. 2017 Dec;33(6):760-762.
11. Zhao ZF, Li XZ, Wan Y. Mapping the Information Trace in Local Field Potentials by a Computational Method of Two-Dimensional Time-Shifting Synchronization Likelihood Based on Graphic Processing Unit Acceleration. *Neurosci Bull* 2017, 33: 653-663.
12. Wang Z, Zhu J. MEMOIR: A Novel System for Neural Lineage Tracing. *Neurosci Bull* 2017, 33: 763-765.
13. Shi J, Li Q, Wen T. Dendritic Cell Factor 1-Knockout Results in Visual Deficit Through the GABA System in Mouse Primary Visual Cortex. *Neurosci Bull* 2018, 34: 465-475.

14. Chai W, Han Z, Wang Z, Li Z, Xiao F, Sun Y, *et al.* Biophotonic Activity and Transmission Mediated by Mutual Actions of Neurotransmitters are Involved in the Origin and Altered States of Consciousness. *Neurosci Bull* 2018, 34: 534-538.
15. He F, Ai H, Wang M, Wang X, Geng X. Altered Neuronal Activity in the Central Nucleus of the Amygdala Induced by Restraint Water-Immersion Stress in Rats. *Neurosci Bull* 2018, 34: 1067-1076.
16. Ji MJ, Zhang XY, Peng XC, Zhang YX, Chen Z, Yu L, *et al.* Histamine Excites Rat GABAergic Ventral Pallidum Neurons via Co-activation of H1 and H2 Receptors. *Neurosci Bull* 2018, 34: 1029-1036.

**Technique**

1. Dos Santos TG, Pereira MSL, Oliveira DL. Rat Cerebrospinal Fluid Treatment Method through Cisterna Cerebellomedullaris Injection. *Neurosci Bull* 2018, 34: 827-832.
2. Zhang Z, Chen W, Zhao Y, Yang Y. Spatiotemporal Imaging of Cellular Energy Metabolism with Genetically-Encoded Fluorescent Sensors in Brain. *Neurosci Bull* 2018, 34: 875-886.
3. Anderson M, Zheng Q, Dong X. Investigation of Pain Mechanisms by Calcium Imaging Approaches. *Neurosci Bull* 2018, 34: 194-199.
4. Li C, Wang S, Chen Y, Zhang X. Somatosensory Neuron Typing with High-Coverage Single-Cell RNA Sequencing and Functional Analysis. *Neurosci Bull* 2018, 34: 200-207.
5. Liang S, Vega R, Kong X, Deng W, Wang Q, Ma X, *et al.* Neurocognitive Graphs of First-Episode Schizophrenia and Major Depression Based on Cognitive Features. *Neurosci Bull* 2018, 34: 312-320.
6. Panaro MA, Aloisi A, Nicolardi G, Lofrumento DD, De Nuccio F, La Pesa V, *et al.* Radio Electric Asymmetric Conveyer Technology Modulates Neuroinflammation in a Mouse Model of Neurodegeneration. *Neurosci Bull* 2018, 34: 270-282.
7. Xia Y, Xu W, Meng S, Lim NKH, Wang W, Huang FD. An Efficient and Reliable Assay for Investigating the Effects of Hypoxia/Anoxia on *Drosophila*. *Neurosci Bull* 2018, 34: 397-402.
8. Lu S, Zhou J. Finding the 'Guilty' Gene Variant of Sporadic Parkinson's Disease Via CRISPR/Cas9. *Neurosci Bull* 2017, 33: 115-117.
9. Anderson M, Zheng Q, Dong X. Investigation of Pain Mechanisms by Calcium Imaging Approaches. *Neurosci Bull* 2017.
10. Zhu X, Xia Y, Wang X, Si K, Gong W. Optical Brain Imaging: A Powerful Tool for Neuroscience. [Neurosci Bull](#). 2017 Feb;33(1):95-102.
11. Lu S, Zhou J. Finding the 'Guilty' Gene Variant of Sporadic Parkinson's Disease Via CRISPR/Cas9. *Neurosci Bull*. 2017 Feb;33(1):115-117.
12. Fan L, Jiang T. Mapping Underlying Maturation Changes in Human Brain. *Neurosci Bull* 2017, 33: 478-480.
13. Wang Z, Zhu J. MEMOIR: A Novel System for Neural Lineage Tracing. *Neurosci Bull*. 2017 Dec;33(6):763-765.

14. Li C, Wang S, Chen Y, Zhang X. Somatosensory Neuron Typing with High-Coverage Single-Cell RNA Sequencing and Functional Analysis. *Neurosci Bull* 2017.
15. Xu M, Ji Y, Zhang T, Jiang X, Fan Y, Geng J, *et al.* Clinical Application of Chromosome Microarray Analysis in Han Chinese Children with Neurodevelopmental Disorders. *Neurosci Bull* 2018, 34: 981-991.

**Vision**

1. Li X. The Antidepressant Effect of Light Therapy from Retinal Projections. *Neurosci Bull* 2018, 34: 359-368.
2. Zhao F, Jiang HF, Zeng WB, Shu Y, Luo MH, Duan S. Anterograde Trans-Synaptic Tagging Mediated by Adeno-Associated Virus. *Neurosci Bull* 2017, 33: 348-350.
3. Duan J, Fu H, Zhang J. Activation of Parvalbumin-Positive Neurons in Both Retina and Primary Visual Cortex Improves the Feature-Selectivity of Primary Visual Cortex Neurons. *Neurosci Bull* 2017, 33: 255-263.
4. Tan Y, Tong X, Chen W, Weng X, He S, Zhao J. Vernier But Not Grating Acuity Contributes to an Early Stage of Visual Word Processing. *Neurosci Bull* 2018, 34: 517-526.
5. Shi J, Li Q, Wen T. Dendritic Cell Factor 1-Knockout Results in Visual Deficit Through the GABA System in Mouse Primary Visual Cortex. *Neurosci Bull* 2018, 34: 465-475.
6. Yang LC, Ren P, Ma YY. Anodal Transcranial Direct-Current Stimulation Over the Right Dorsolateral Prefrontal Cortex Influences Emotional Face Perception. *Neurosci Bull* 2018, 34: 842-848.