

Neuroscience2014 演題分類項目一覧

A. Cellular and Molecular Mechanisms of Excitability and Neural Functions

(興奮性およびその他の神経系機能の細胞・分子メカニズム)

1. Ion Channels and Excitable Membranes (イオンチャンネル、興奮性膜)
2. Neurotransmitters, Gliotransmitters, and Modulators
(神経伝達物質、グリオトランスミッター、修飾物質)
3. Receptors and Transporters (受容体、輸送体)
4. Synapse (シナプス)
5. Synaptic Plasticity (シナプス可塑性)
6. Signal Transduction and Modulation (情報伝達とその調節)
7. Axonal Transport and Cytoskeleton (軸索輸送、細胞骨格)
8. Glia and Glia-Neuron Interaction (グリア、グリア-ニューロン相互作用)
9. Myelination and Myelin-Axon Interaction (髄鞘化、髄鞘-軸索相互作用)
10. Blood-Brain Barrier (血液脳関門)
11. Gene Regulation and Epigenetics (遺伝子制御、エピジェネティクス)
12. Regulation and Function of RNA, Translational Regulation
(RNA の制御と機能、翻訳制御)
13. Posttranslational Modulation and Proteolysis (翻訳後修飾とタンパク質分解)
14. Drug Development (創薬)
15. Others (その他)

B. Development and Regeneration (発生と再生)

16. Induction and Pattern Formation (誘導、パターン形成)
17. Stem Cells, Neuronal and Glial Production/Differentiation
(幹細胞、ニューロンとグリアの分化)
18. Cell Migration and Layer/Nuclear Formation (細胞移動、層・神経核の形成)
19. Axonal/Dendritic Growth and Circuit Formation (突起伸展、回路形成)
20. Trophic Factors and Cytokines (栄養因子、サイトカイン)
21. Axonal Regeneration and Tissue Repair (軸索再生、組織修復)
22. Neuronal Death and Apoptosis (神経細胞死、アポトーシス)
23. Adult Neurogenesis (成体ニューロン新生)
24. Evolution (進化)
25. Tissue Engineering and Transplantation (組織工学と移植)
26. Others (その他)

C. Sensory and Motor Systems (感覚系と運動系)

27. Kinematics and EMG (運動学、筋電図)
28. Spinal cord Motor Neurons and Muscle (脊髄、運動細胞、筋肉)
29. Posture and Gait (姿勢と歩行)
30. Rhythmic Motor Pattern Generation (リズム運動パターン生成)
31. Cerebellum (小脳)
32. Basal Ganglia (基底核)
33. Voluntary movements (随意運動)
34. Oculomotor System (眼球運動)
35. Sensorimotor control (感覚運動制御)
36. Sensorimotor Learning/Plasticity (感覚運動系の学習・可塑性)
37. Visual System (視覚)
38. Auditory and Vestibular Systems (聴覚、前庭感覚)
39. Olfaction, Taste, Chemical Senses (嗅覚、味覚、化学感覚)
40. Somatosensory System (体性感覚)
41. Viscerosensory System (内臓感覚)
42. Pain, Itch and Their Disorders (痛覚、痒み、及びその障害)
43. Multisensory (複数感覚)
44. Others (その他)

D. Homeostatic and Neuroendocrine Systems (恒常性と神経内分泌システム)

45. Autonomic Nervous System (自律神経系)
46. Neuroendocrine System (神経内分泌)
47. Neuroimmunology (神経免疫)
48. Stress (ストレス)
49. Reproduction (生殖)
50. Metabolism and Regulation of Food Intake (代謝、摂食調節)
51. Others (その他)

E. Behavior and Cognition (行動と認知)

52. Instinctive Behavior (本能行動)
53. Sleep and Biological Rhythms (睡眠、生体リズム)
54. Motivation and Emotion (動機づけ・情動)
55. Reward and Decision Making (報酬・意思決定)
56. Attention and Perceptual Integration (注意・知覚統合)
57. Spatial and Temporal Cognition (空間・時間認知)

- 58. Learning and Long-term Memory (学習・長期記憶)
- 59. Working Memory and Executive Function (ワーキングメモリ・実行機能)
- 60. Social Behavior (社会行動)
- 61. Language (言語機能)
- 62. Development of Cognition (認知の発達)
- 63. Aging of Cognition (認知の加齢変化)
- 64. Others (その他)

F. Disorders of the Nervous System (神経系の疾患)

- 65. Alzheimer's Disease, Other Dementia, Aging
(アルツハイマー病、他の認知症、老化)
- 66. Parkinson's Disease and Related Disorders (パーキンソン病とその類縁疾患)
- 67. Polyglutamine Diseases, ALS, SCD, Other Neurodegenerative Disorder
(ポリグルタミン病、ALS、脊髄小脳変性症、その他の神経変性疾患)
- 68. Myopathy, Neuromuscular Disorder, Neuropathy, Spinal Disease
(筋疾患、神経筋接合部疾患、末梢神経疾患、脊椎脊髄疾患)
- 69. Demyelinating Disorders (脱髄性疾患)
- 70. Neuroprotection, Neurotoxicity and Neuroinflammation
(神経保護、神経毒性と神経炎症)
- 71. Epilepsy, Headache, Vertigo (てんかん、頭痛、めまい)
- 72. Schizophrenia (統合失調症)
- 73. Mood Disorders (気分障害)
- 74. Anxiety Disorders (不安障害)
- 75. Drug Addiction and Abuse (薬物依存、乱用)
- 76. Neurodevelopmental Disorders (神経発達障害)
- 77. Other Psychiatric Disorders (その他の精神障害)
- 78. Cerebrovascular Disease and Ischemia (脳血管障害と虚血)
- 79. Injury (外傷)
- 80. Neuro-oncology (神経腫瘍)
- 81. Behavioral Pharmacology (行動薬理)
- 82. Others (その他)

G. Modeling, Hardware Implementation, and Applications

- (モデリング、ハードウェア、応用)
- 83. Neural Network Modeling (ニューラルネットワークモデリング)
- 84. Neuroinformatics (神経情報学)

- 85. Learning Theory (学習理論)
- 86. Neuronal Data Analysis (神経データ解析)
- 87. Neuroengineering (ニューロエンジニアリング)
- 88. Hardware Implementation (ハードウェア)
- 89. BMI/BCI (ブレイン・マシン/コンピュータ・インターフェイス)
- 90. Image/Sound Processing (画像・音響処理)
- 91. Robotics (ロボティクス)
- 92. Large Scale Simulation (大規模シミュレーション)
- 93. Other Applications (その他の応用)

H. Methodology (方法論)

- 94. Molecular, Biochemical, and Genetic Techniques (分子, 生化学、遺伝学的手法)
- 95. Genome Informatics, Proteomics, and Systems Biology
(ゲノム情報学、プロテオミクス、システム生物学的手法)
- 96. Staining, Tracing, and Imaging Techniques
(染色、トレーサー、画像化技術)
- 97. Optical methods (光学的技術)
- 98. Optogenetics (光遺伝学的手法)
- 99. Electrophysiology (電気生理学的手法)
- 100. Others (その他)

I. Others (その他)

- 101. Neuroethics (脳神経倫理)
- 102. Social and Legal Issues of Neuroscience (神経科学の社会的・法的影響)
- 103. History, Education and Outreach (歴史・教育・アウトリーチ)
- 104. Industrial Application (産業応用)
- 105. Others (その他)