

Top Viewed Titles

Daily Ranking: 29. July

Rank	View	Like	Number	Presenter	Title
	612	8	1PL01	Susumu Tonegawa	Neuroscience of Episodic Learning and Memory
	209	13	3PL01	Giulio Tononi	Consciousness: From Theory to Practice
	195	15	1EL04	Schuichi Koizumi	Control by glia of brain functions
4	163	6	2PL01a	Catherine G Dulac	Neurobiology of Social Behavior
5	149	0	1S02m-01	Ryohei Yasuda	Imaging neuronal intracellular signal transduction using multiphoton fluorescence lifetime imaging microscopy
6	134	6	2SL02m-1	Kenji Doya	What can we further learn from the brain for artificial intelligence
7	127	7	2PL01m	Daniel Geschwind	Integrative Genomics in Neuropsychiatric Disorders
8	119	8	2EL06	Taro Toyozumi	Theoretically studying the brain
9	118	3	1SL02	Masanobu Kano	Shaping mature neural circuits through synapse pruning
10	112	9	3BPL02	Peter Dayan	Replay
11	110	7	2EL04	Shigeyoshi Fujisawa	Neuronal oscillations and information processing in the hippocampus
11	110	7	2SEL06	Osamu Sakura × Yuji Ikegaya	Special talk "Science and Human and Society"
13	93	7	2EL05	Makiko Yamada	Neuroscience of cognitive bias: linking mind and brain
14	92	5	4EL06	Sakiko Honjoh	Neural activity dynamics across sleep/wake cycles
15	84	3	4SL02	Hideyuki Okano	Investigation of Human Neurological/Psychiatric Disorders using iPSCs and Genetically Modified Non-Human Primates
15	84	5	3SL02	Michisuke Yuzaki	How to build a synapse: new mechanisms by extracellular scaffolding
17	83	1	2SL02m-2	Noriko Osumi	Transgenerational epigenetics: a possible scenario for the onset of neurodevelopmental diseases
18	77	1	1S02m-04	Masanori Murayama	Fast, wide and contiguous field-of-view two-photon Ca ²⁺ imaging
19	74	4	3SL01	Bosiljka Tasic	Cell types of adult mouse cortex and hippocampus
20	67	1	1S02m-05	Lin Tian	Imaging serotonin dynamics in living behaving animals
21	63	2	3EL06	Ryota Hashimoto	Trend watch for elucidation of pathological mechanisms of mental illness
22	62	9	1EL06	Ryohto Sawada	Mutual learning between human and AI in Shogi and its quantification
23	60	4	4EL04	Takufumi Yanagisawa	Clinical application of neural decoding and brain-computer interface
24	55	3	3EL04	Takefumi Kikusui	Social Neuroendocrinology: Roles of endocrine for social formation
25	54	2	2SEL06	Osamu Sakura	Considering science and technology in the cultural context of public society
26	46	4	1EL05	Kazushige Touhara	Olfactory neuroscience research from a chemical point of view
26	46	0	3EL05	Takafumi Minamimoto	Visualizing and manipulating primate neural circuits by chemogenetic imaging
28	45	1	1AL02a-1	Yasushi Okada	Development of super-resolution microscopy and its application to the study of the axonal transport

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29	44	3	4EL05	Yumiko Yoshimura	Experience-dependent developmental mechanisms in the visual cortex
30	42	2	1S02m-02	Liangyi Chen	Super-resolution fluorescence assisted diffraction computational tomography reveals the three-dimensional landscape of cellular organelle interactome
31	41	0	1S03a-02	Ryo Aoki	Plasticity of visual cortical circuits driven by millisecond patterned optogenetic manipulations at cellular-level resolution
32	40	1	1S03m-01	Itaru Imayoshi	Regulatory Mechanism of Neural Stem Cells Revealed by Optical Manipulation of Gene Expressions
32	40	4	3P-192	Kentaro Tao	Social neuronal ensemble in the ventral hippocampus
34	37	0	1S09m-01	Aki Takahashi	Neural mechanism of social frustration and escalation of aggressive behavior
34	37	2	4ES03a-04	Takefumi Kikusui	"Nakayoshi" strategy at a small and middle class private university
36	36	2	1S07a-02	Jun Yamamoto	Role of Reverberating Neural Oscillations in Entorhinal-Hippocampus Circuits during Episodic Memory Task
37	34	0	1S05m-01	Toru Ishii	Introduction: Towards an understanding of the human hippocampus
37	34	5	4AL	Michisuke Yuzaki	Neuroscience Society Young Investigator Awardees - Fiscal Year 2020 Words of Congratulations and Acceptance Speeches
39	33	2	1O05m-3-01	Kaito Takashima	Hippocampal CA1 engram cells are characterized by activity reduction in a novel context during memory encoding
40	32	4	2AL02a-1	Junichi Nabekura	Remodeling of neuronal circuits <i>in vivo</i> : glia-neuron interaction
40	32	5	1P-068	Masahiro Nakano	Response adaptation and deviant detection in mouse primary visual cortex
42	31	0	1S02m-03	Lingyan Shi	High Resolution Vibrational Imaging of Brain Metabolism
42	31	0	2S05m-03	Masatoshi Inoue	Single-neuron social representations in prefrontal cortex
42	31	4	4ES03a-01	Masako Myowa	Slow but steady
42	31	4	1P-178	Kota Kitano	Oxytocin receptor knockout prairie voles display deficits in helping behavior.
46	30	3	4ES03a-03	Kumi O. Kuroda	Blue ocean strategy + My Work-Life balance = Neurobiology of parent-infant relations
47	27	0	1S06m-07	Shinji Nishimoto	Predicting decodability: physiology, models, and individual differences
47	27	2	1S04a-02	Shohei Furutachi	Synergistic modulation of sensory processing by higher-order thalamus and inhibitory interneurons in primary visual cortex
47	27	3	2S03m-02	Shigeru Kitazawa	The here and now in the default mode network
47	27	0	2P-271	Daisuke Ino	Development of new fluorescent probes for imaging of prosocial signaling in the brain
51	26	0	1S07a-01	Daoyun Ji	Hippocampal place cells and awake replay in contextual fear memory
51	26	2	2S05m-05	Kazunari Miyamichi	Dynamics of Oxytocin Neural Circuits in Mice
53	25	2	3AL02m	Haruki Takeuchi	Cell-type specific patterned activities specify gene expression patterns for olfactory circuit formation
53	25	1	2S05m-01	Teruhiro Okuyama	Social memory representation in the hippocampus
53	25	1	2S06m-01	Kenneth D Harris	$N_{\text{neurons}} \rightarrow \infty$
53	25	1	2S03a-01	Hiroaki Wake	Microglial role for creative deconstruction of brain parenchyma
53	25	2	1O05m-3-03	Kyogo Kobayashi	Calcium imaging of hippocampal CA1 engram cells during a contextual fear conditioning paradigm
53	25	3	1P-150	Akinobu Ohba	Theta-phase locked neuronal activity is necessary for memory consolidation during REM sleep
59	24	3	1S03m-03	Taito Matsuda	Direct reprogramming of microglia into functional neurons in the adult mouse brain
59	24	0	1S03a-04	James H Marshel	Ensemble-specific all optical interrogation of cortical circuit dynamics underlying visually guided behavior
59	24	2	3O09m-3-01	Ayaka Kato	Encoding of an innate value of odors by dopaminergic neurons

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62	23	1	1S09m-04	Menard Caroline	Social stress induces neurovascular cellular and molecular changes promoting depression
62	23	3	1S08a-02	Hiroki R Ueda	Systems Biology of Mammalian Sleep/Wake Cycles ~Phosphorylation Hypothesis of Sleep~
62	23	2	1S08a-03	Hayato Chiba	Synchronization of neuronal oscillations on a random network
62	23	1	LBA-063	Yusaku Hontani	Simultaneous multi-color three-photon fluorescence imaging deep in mouse brain with single-wavelength excitation
66	22	1	2AL02a-2	Norio Ozaki	Elucidation of molecular pathophysiology of autistic spectrum disorder and schizophrenia starting from rare disease-susceptibility variants
66	22	0	1S04m-02	Shin Nagayama	Odor information representation in the medial and lateral symmetric maps in the olfactory bulb
66	22	1	1S07a-03	Kenji Mizuseki	Pathway-specific information outflow from the subiculum
66	22	1	1S08a-01	Arisa Hirano	Neural circuit of circadian sleep regulation in mice.
66	22	1	2S05a-04	Ayumu Yamashita	Resting state functional connectivity marker for major depressive disorder which generalizes to data acquired from independent imaging site.
66	22	0	1O03m-3-01	Naomichi Sasaki	Soluble factors of Schwann cells and Schwann cell-derived stem cells promoting tissue regeneration
66	22	1	1O06m-3-01	Yoichi Miyawaki	Decoding of neural information representation independent of hemodynamic delays using the ultra-fast acquisition of ultra-high field fMRI signals
66	22	3	1P-016	Hiroyuki Sasakura	Rapid and robust recovery from spinal cord injury: cocktail treatment for re-wiring and against repulsion
74	21	2	4S05m-02	Tadashi Isa	Cortical and subcortical mechanism of reward-based decision making
74	21	7	1P-093	Daichi Konno	Discrete spread patterns of spontaneous neural activity in the rat visual cortex
76	20	0	1AL02a-2	Takuya Takahashi	Synaptic plasticity: from bench to bedside
76	20	0	1S09m-03	Masahide Yoshida	Facilitation of social defeat posture by oxytocin/oxytocin receptor systems
76	20	1	1S09a-01	Jun Miyata	Extending aberrant salience hypothesis of schizophrenia
76	20	1	3S08m-01	Naoshige Uchida	A normative perspective on the diversity of dopamine neurons
76	20	2	3S04a-02	Masaaki Ogawa	Neural basis of motivation to overcome negative reward prediction errors
76	20	0	1AL02a	Yasushi Miyashita	Nakaakira Tsukahara Memorial Award Lecture Introduction of the Awardee (Dr. Yasushi Okada) by the Chair
82	19	1	1S08a-04	Takayasu Mikuni	Genome editing-based approaches for single-cell molecular imaging in brain tissue
82	19	0	3S04a-01	Stephan Lammel	Diversity of Dopamine Neurons in Reward and Aversion
82	19	2	3S09a-01	Shinichiro Tsutsumi	Cerebellar cortical involvement in rapid sensorimotor associations
82	19	2	3O08m-3-02	Akihiro Funamizu	Neural encoding and decoding of auditory cortex during perceptual decision making
82	19	1	1P-145	Hiroataka Asai	The genetic construction of latent neuronal ensembles in the hippocampus for processing information
82	19	0	3P-063	Jun Nishikawa	Neural correlates of gap detection deficits related to tinnitus in the mouse auditory cortex
88	18	0	1S06m-01	Maro G Machizawa	A primer towards the understanding of individual variabilities on decoding neural information
88	18	1	1S09m-02	Shiho Kitaoka	The roles of iron metabolism in repeated stress-induced behavioral change
88	18	0	1S03a-03	Luis Carrillo Reid	Optical control of neuronal ensembles to understand perception, behavior and disease
88	18	0	1S06a-03	Yuichi Takeuchi	On-demand interventions of epileptic seizures and beyond
88	18	1	3S03m-01	Rie Ishikawa	Reconsolidation and extinction engrams in medial prefrontal cortex and amygdala
88	18	0	3S04m-01	Honda Naoki	Decoding Animal Behavioral Strategy by Inverse Reinforcement Learning
88	18	2	1O04m-3-01	Hirofumi Nakayama	Development of a multi-stimulus delayed match to sample task and its application to studying olfactory coding

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88	18	4	1P-129	Airi Yoshimoto	Stimulating the medial forebrain bundle modulates central and peripheral functions
88	18	2	1P-147	Sakura Okada	Spike patterns of dorsal and ventral hippocampal neurons in response to an aversive stimulation in a T-maze task
88	18	2	1P-160	Kareem MahmoudIbrahim Abdou	Dissociable roles of sleep stages in the emergence and consolidation of transitive inference
98	17	0	1S03m-05	Tatsunori Seki	To what extent does adult neurogenesis occur in the human hippocampus?
98	17	0	1S04m-05	Nobuhiko Miyasaka	A neural substrate for motivated behavior following appetitive olfactory learning in zebrafish
98	17	1	1S05m-02	Valerie Carr	Hippocampal Subfields Group: Developing a harmonized protocol for segmenting human hippocampal subfields via MRI
98	17	1	1O11a-2-02	Yutaro Koyama	Functionally Constrained Autoencoder: Autoencoder for temporal information extraction of cognitive processes from BOLD signal
98	17	4	1P-059	Shu Sakamoto	Electroencephalographic Activity While Anticipating Uncertainty Resolution in Music
98	17	1	2P-090	Takuya Tsujimura	Modulation of TRPA1 on respiratory rhythm in isolated brain-stem-spinal cord preparation
104	16	0	1S07a-04	Susumu Takahashi	Deciphering the code in the medial pallium of migratory seabirds
104	16	1	2S03m-01	Daniel S Margulies	Situating the DMN along a principal gradient of macroscale cortical organization
104	16	0	2S08m-01	Aya Ishida	MeCP2 Levels Regulate Heterochromatin Structure in vivo
104	16	3	3S06a-03	Kei Watanabe	Identifying functional differences among frontopolar, mid-lateral, and posterior-lateral prefrontal cortices in monkeys.
104	16	4	3S09a-02	Taro Ishikawa	Multiple cortico-cerebellar pathways in sensory signaling
104	16	0	4S02m-02	Miho Nakajima	Attentional rules are decoded by anatomically fixed PFC output neurons
104	16	1	1O10m-1-02	Hironori Kawahara	Alpha-synuclein transmission via EVs
104	16	0	1O11m-1-03	Pin-Wu Liu	CaMKII-mediated subsynaptic segregation of glutamate receptors by super resolution imaging
104	16	2	1O11a-1-02	Takuya Isomura	Creating instant generative models using hierarchical neural networks
104	16	3	1P-171	Takuma Hashimoto	Neural correlates of the continuous time flow in NARUTO manga stories
104	16	4	2P-089	Tomoyuki Murano	Diffuse coding of multiple types of information in the dentate gyrus neurons
104	16	5	LBA-023	Takuto Yamamoto	Emergence of color constancy in an autoencoder with biologically plausible inhibitory interneurons