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**A robust and high-throughput Cre reporting and characterization system for the whole mouse brain**

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2211	A high-resolution anatomical atlas of the transcriptome in the mouse embryo. <b>2011</b> , 9, e1000582	467
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2104	Blunted refeeding response and increased locomotor activity in mice lacking FoxO1 in synapsin-Cre-expressing neurons. <b>2013</b> , 62, 3373-83	19
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2099	Viral transduction of the neonatal brain delivers controllable genetic mosaicism for visualising and manipulating neuronal circuits in vivo. <b>2013</b> , 37, 1203-20	81
2098	The epidermis comprises autonomous compartments maintained by distinct stem cell populations. <b>2013</b> , 13, 471-82	210

2097	Lgr5-expressing cells are sufficient and necessary for postnatal mammary gland organogenesis. <b>2013</b> , 3, 70-8	157
2096	Glast-expressing progenitor cells contribute to heterotopic ossification. <b>2013</b> , 53, 194-203	47
2095	Glutamate release mediates leptin action on energy expenditure. <b>2013</b> , 2, 109-15	26
2094	GENSAT BAC cre-recombinase driver lines to study the functional organization of cerebral cortical and basal ganglia circuits. <b>2013</b> , 80, 1368-83	364
2093	Lineage tracing and cell ablation identify a post-Aire-expressing thymic epithelial cell population. <b>2013</b> , 5, 166-79	79
2092	Postsynaptic FMRP bidirectionally regulates excitatory synapses as a function of developmental age and MEF2 activity. <b>2013</b> , 56, 39-49	22
2091	T follicular helper cell dynamics in germinal centers. <b>2013</b> , 341, 673-7	226
2090	Membrane potential dynamics of neocortical projection neurons driving target-specific signals. <b>2013</b> , 80, 1477-90	113
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2079	Co-opting the unfolded protein response to elicit olfactory receptor feedback. <b>2013</b> , 155, 321-32	102
2078	Defining stem cell dynamics in models of intestinal tumor initiation. <b>2013</b> , 342, 995-8	275
2077	Dissecting local circuits: parvalbumin interneurons underlie broad feedback control of olfactory bulb output. <b>2013</b> , 80, 1232-45	200
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2075	In vitro and in vivo approaches to study osteocyte biology. <b>2013</b> , 54, 296-306	98
2074	Mapping brain circuitry with a light microscope. <b>2013</b> , 10, 515-23	174
2073	Fezf2 expression identifies a multipotent progenitor for neocortical projection neurons, astrocytes, and oligodendrocytes. <b>2013</b> , 80, 1167-74	130
2072	Parallel, redundant circuit organization for homeostatic control of feeding behavior. <b>2013</b> , 155, 1337-50	376
2071	Light-induced silencing of neural activity in Rosa26 knock-in mice conditionally expressing the microbial halorhodopsin eNpHR2.0. <b>2013</b> , 75, 53-8	7
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2069	Study of hepatitis C virus entry in genetically humanized mice. <b>2013</b> , 59, 249-57	15
2068	Biological constraints limit the use of rapamycin-inducible FKBP12-Inp54p for depleting PIP2 in dorsal root ganglia neurons. <b>2013</b> , 12, 13	7
2067	NMDA receptor subunits have different roles in NMDA-induced neurotoxicity in the retina. <b>2013</b> , 6, 34	47
2066	Dissection of gene function at clonal level using mosaic analysis with double markers. <b>2013</b> , 8, 557-568	9
2065	A mouse model of adult-onset anaemia due to erythropoietin deficiency. <b>2013</b> , 4, 1950	47
2064	Repositioning forelimb superficialis muscles: tendon attachment and muscle activity enable active relocation of functional myofibers. <b>2013</b> , 26, 544-51	31
2063	A cortico-hippocampal learning rule shapes inhibitory microcircuit activity to enhance hippocampal information flow. <b>2013</b> , 79, 1208-21	80
2062	Selective ablation of pillar and deiters' cells severely affects cochlear postnatal development and hearing in mice. <b>2013</b> , 33, 1564-76	38

2061	Efficient, specific, developmentally appropriate cre-mediated recombination in anterior pituitary gonadotropes and thyrotropes. <b>2013</b> , 51, 785-92	13
2060	The Maturation of Firing Properties of Forebrain GABAergic Interneurons. <b>2013</b> , 955-973	1
2059	In vivo reprogramming of astrocytes to neuroblasts in the adult brain. <b>2013</b> , 15, 1164-75	329
2058	Transgene expression in target-defined neuron populations mediated by retrograde infection with adeno-associated viral vectors. <b>2013</b> , 33, 15195-206	87
2057	Inducible control of gene expression with destabilized Cre. <b>2013</b> , 10, 1085-8	68
2056	Raphe GABAergic neurons mediate the acquisition of avoidance after social defeat. <b>2013</b> , 33, 13978-88, 13988a	129
2055	Ionizing radiation leads to the replacement and de novo production of colonic Lgr5(+) stem cells. <b>2013</b> , 179, 637-46	15
2054	CXCR4 prevents dispersion of granule neuron precursors in the adult dentate gyrus. <b>2013</b> , 23, 1345-58	28
2053	Lgr5-EGFP marks taste bud stem/progenitor cells in posterior tongue. <b>2013</b> , 31, 992-1000	97
2052	Characterization of multiple bistratified retinal ganglion cells in a purkinje cell protein 2-Cre transgenic mouse line. <b>2013</b> , 521, 2165-80	19
2051	Th-MYCN mice with caspase-8 deficiency develop advanced neuroblastoma with bone marrow metastasis. <b>2013</b> , 73, 4086-97	44
2050	Compartmentalization of GABAergic inhibition by dendritic spines. <b>2013</b> , 340, 759-62	190
2049	In vivo reprogramming of circuit connectivity in postmitotic neocortical neurons. <i>Nature Neuroscience</i> , <b>2013</b> , 16, 193-200	25.5 145
2048	A subpopulation of nociceptors specifically linked to itch. <i>Nature Neuroscience</i> , <b>2013</b> , 16, 174-82	25.5 360
2047	The spatial and temporal origin of chandelier cells in mouse neocortex. <b>2013</b> , 339, 70-4	191
2046	Cortico-cortical projections in mouse visual cortex are functionally target specific. <i>Nature Neuroscience</i> , <b>2013</b> , 16, 219-26	25.5 215
2045	Sustained IL-1 $\beta$ expression impairs adult hippocampal neurogenesis independent of IL-1 signaling in nestin+ neural precursor cells. <b>2013</b> , 32, 9-18	66
2044	ER stress causes rapid loss of intestinal epithelial stemness through activation of the unfolded protein response. <b>2013</b> , 3, 1128-39	187

2043	Sox2-mediated regulation of adult neural crest precursors and skin repair. <b>2013</b> , 1, 38-45	63
2042	Cells of renin lineage are progenitors of podocytes and parietal epithelial cells in experimental glomerular disease. <b>2013</b> , 183, 542-57	103
2041	Nkx2.2:Cre knock-in mouse line: a novel tool for pancreas- and CNS-specific gene deletion. <b>2013</b> , 51, 844-51	14
2040	Pleiotropic and isoform-specific functions for Pitx2 in superior colliculus and hypothalamic neuronal development. <b>2013</b> , 52, 128-39	8
2039	Cajal-Retzius cells instruct neuronal migration by coincidence signaling between secreted and contact-dependent guidance cues. <b>2013</b> , 79, 461-77	102
2038	Modeling pathogenesis of primary liver cancer in lineage-specific mouse cell types. <b>2013</b> , 145, 221-231	124
2037	Egr2-neurons control the adult respiratory response to hypercapnia. <b>2013</b> , 1511, 115-25	28
2036	Genetic control of the segregation of pain-related sensory neurons innervating the cutaneous versus deep tissues. <b>2013</b> , 5, 1353-64	28
2035	Cell-type specific inactivation of hippocampal CA1 disrupts location-dependent object recognition in the mouse. <b>2013</b> , 20, 139-46	30
2034	Innate lymphoid type 2 cells sustain visceral adipose tissue eosinophils and alternatively activated macrophages. <b>2013</b> , 210, 535-49	608
2033	Laminar transformation of frequency organization in auditory cortex. <b>2013</b> , 33, 1498-508	72
2032	Experience-dependent modification of a central amygdala fear circuit. <i>Nature Neuroscience</i> , <b>2013</b> , 16, 332-9	25.5 312
2031	Direct and GABA-mediated indirect effects of nicotinic ACh receptor agonists on striatal neurones. <b>2013</b> , 591, 203-17	45
2030	Stem Cells and Generation of New Cells in the Adult Kidney. <b>2013</b> , 959-980	
2029	Development of transgenic animals for optogenetic manipulation of mammalian nervous system function: progress and prospects for behavioral neuroscience. <b>2013</b> , 255, 3-18	39
2028	CXCL12 in early mesenchymal progenitors is required for haematopoietic stem-cell maintenance. <b>2013</b> , 495, 227-30	895
2027	Tympanic border cells are Wnt-responsive and can act as progenitors for postnatal mouse cochlear cells. <b>2013</b> , 140, 1196-206	60
2026	Ovarian surface epithelium at the junction area contains a cancer-prone stem cell niche. <b>2013</b> , 495, 241-5	258

2025	Hypothalamic survival circuits: blueprints for purposive behaviors. <b>2013</b> , 77, 810-24	193
2024	Perivascular mast cells dynamically probe cutaneous blood vessels to capture immunoglobulin E. <b>2013</b> , 38, 166-75	82
2023	Central dopamine D2 receptors regulate growth-hormone-dependent body growth and pheromone signaling to conspecific males. <b>2013</b> , 33, 5834-42	33
2022	A direct and melanopsin-dependent fetal light response regulates mouse eye development. <b>2013</b> , 494, 243-6	139
2021	Tissue-resident macrophages self-maintain locally throughout adult life with minimal contribution from circulating monocytes. <b>2013</b> , 38, 792-804	1352
2020	Steady or changing? Long-term monitoring of neuronal population activity. <b>2013</b> , 36, 375-84	73
2019	Prenatal expression of MET receptor tyrosine kinase in the fetal mouse dorsal raphe nuclei and the visceral motor/sensory brainstem. <b>2013</b> , 35, 1-16	29
2018	Ambient illumination toggles a neuronal circuit switch in the retina and visual perception at cone threshold. <b>2013</b> , 78, 325-38	109
2017	Automated cell-specific laser detection and ablation of neural circuits in neonatal brain tissue. <b>2013</b> , 591, 2393-401	11
2016	The ventral hippocampus is the embryonic origin for adult neural stem cells in the dentate gyrus. <b>2013</b> , 78, 658-72	123
2015	Canonical Notch2 signaling determines biliary cell fates of embryonic hepatoblasts and adult hepatocytes independent of Hes1. <b>2013</b> , 57, 2469-79	71
2014	The signaling suppressor CIS controls proallergic T cell development and allergic airway inflammation. <b>2013</b> , 14, 732-40	96
2013	Inhibition of leptin regulation of parasympathetic signaling as a cause of extreme body weight-associated asthma. <b>2013</b> , 17, 35-48	70
2012	Transsynaptic tracing with vesicular stomatitis virus reveals novel retinal circuitry. <b>2013</b> , 33, 35-51	42
2011	Thalamic control of neocortical area formation in mice. <b>2013</b> , 33, 8442-53	52
2010	Homologous recombination into the eosinophil peroxidase locus generates a strain of mice expressing Cre recombinase exclusively in eosinophils. <b>2013</b> , 94, 17-24	63
2009	Etv1 inactivation reveals proprioceptor subclasses that reflect the level of NT3 expression in muscle targets. <b>2013</b> , 77, 1055-68	63
2008	Neurochemical characterization of neurons expressing melanin-concentrating hormone receptor 1 in the mouse hypothalamus. <b>2013</b> , 521, 2208-34	64



2007	The Atoh1-lineage gives rise to hair cells and supporting cells within the mammalian cochlea. <b>2013</b> , 376, 86-98	88
2006	Steroid receptor coactivator-1 mediates estrogenic actions to prevent body weight gain in female mice. <b>2013</b> , 154, 150-8	32
2005	A sympathetic neuron autonomous role for Egr3-mediated gene regulation in dendrite morphogenesis and target tissue innervation. <b>2013</b> , 33, 4570-83	20
2004	Delta-like 1 regulates Bergmann glial monolayer formation during cerebellar development. <b>2013</b> , 6, 25	20
2003	Genetic approaches to neural circuits in the mouse. <b>2013</b> , 36, 183-215	146
2002	Behaviour-dependent recruitment of long-range projection neurons in somatosensory cortex. <b>2013</b> , 499, 336-40	206
2001	Inhibition of inhibition in visual cortex: the logic of connections between molecularly distinct interneurons. <i>Nature Neuroscience</i> , <b>2013</b> , 16, 1068-76	25.5 795
2000	Metabolic pitfalls of CNS Cre-based technology. <b>2013</b> , 18, 21-8	135
1999	The extracellular domain of Notch2 increases its cell-surface abundance and ligand responsiveness during kidney development. <b>2013</b> , 25, 585-98	70
1998	Temporal and mosaic Tsc1 deletion in the developing thalamus disrupts thalamocortical circuitry, neural function, and behavior. <b>2013</b> , 78, 895-909	47
1997	Sensory map transfer to the neocortex relies on pretarget ordering of thalamic axons. <b>2013</b> , 23, 810-6	32
1996	Improved tools for the Brainbow toolbox. <b>2013</b> , 10, 540-7	280
1995	Scx+/Sox9+ progenitors contribute to the establishment of the junction between cartilage and tendon/ligament. <b>2013</b> , 140, 2280-8	173
1994	Sustained mobilization of endogenous neural progenitors delays disease progression in a transgenic model of Huntington's disease. <b>2013</b> , 12, 787-99	44
1993	Global but not gonadotrope-specific disruption of Bmal1 abolishes the luteinizing hormone surge without affecting ovulation. <b>2013</b> , 154, 2924-35	53
1992	Peripheral deafferentation-driven functional somatosensory map shifts are associated with local, not large-scale dendritic structural plasticity. <b>2013</b> , 33, 9474-87	18
1991	Permanent genetic access to transiently active neurons via TRAP: targeted recombination in active populations. <b>2013</b> , 78, 773-84	296
1990	Neural coding during active somatosensation revealed using illusory touch. <i>Nature Neuroscience</i> , <b>2013</b> , 16, 958-65	25.5 171

1989	Synaptic computation and sensory processing in neocortical layer 2/3. <b>2013</b> , 78, 28-48	159
1988	Reporter mouse lines for fluorescence imaging. <b>2013</b> , 55, 390-405	87
1987	BAC transgenic mice and the GENSAT database of engineered mouse strains. <b>2013</b> , 2013,	50
1986	Plasticity of renal erythropoietin-producing cells governs fibrosis. <b>2013</b> , 24, 1599-616	119
1985	Ezh2 orchestrates topographic migration and connectivity of mouse precerebellar neurons. <b>2013</b> , 339, 204-7	89
1984	Targeted mutagenesis tools for modelling psychiatric disorders. <b>2013</b> , 354, 9-25	12
1983	Cardiac fibrosis in mice expressing an inducible myocardial-specific Cre driver. <b>2013</b> , 6, 1470-6	58
1982	Nav1.1 haploinsufficiency in excitatory neurons ameliorates seizure-associated sudden death in a mouse model of Dravet syndrome. <b>2013</b> , 22, 4784-804	119
1981	Regulation of Neurod1 contributes to the lineage potential of Neurogenin3+ endocrine precursor cells in the pancreas. <b>2013</b> , 9, e1003278	39
1980	βCells are dispensable in postnatal morphogenesis and maturation of mouse pancreatic islets. <b>2013</b> , 305, E1030-40	24
1979	Dynamic temporal requirement of Wnt1 in midbrain dopamine neuron development. <b>2013</b> , 140, 1342-52	34
1978	Tracking proliferative history in lymphocyte development with cre-mediated sister chromatid recombination. <b>2013</b> , 9, e1003887	6
1977	Slit/Robo signaling mediates spatial positioning of spiral ganglion neurons during development of cochlear innervation. <b>2013</b> , 33, 12242-54	28
1976	Islet1 deletion causes kidney agenesis and hydroureter resembling CAKUT. <b>2013</b> , 24, 1242-9	23
1975	Runx1 controls terminal morphology and mechanosensitivity of VGLUT3-expressing C-mechanoreceptors. <b>2013</b> , 33, 870-82	104
1974	Antibody and antiretroviral preexposure prophylaxis prevent cervicovaginal HIV-1 infection in a transgenic mouse model. <b>2013</b> , 87, 8535-44	20
1973	Titration of GLI3 repressor activity by sonic hedgehog signaling is critical for maintaining multiple adult neural stem cell and astrocyte functions. <b>2013</b> , 33, 17490-505	73
1972	Aire-expressing thymic medullary epithelial cells originate from βT-expressing progenitor cells. <b>2013</b> , 110, 9885-90	87

1971	HCN4 dynamically marks the first heart field and conduction system precursors. <b>2013</b> , 113, 399-407	140
1970	Distinct balance of excitation and inhibition in an interareal feedforward and feedback circuit of mouse visual cortex. <b>2013</b> , 33, 17373-84	66
1969	Functional subpopulations of V3 interneurons in the mature mouse spinal cord. <b>2013</b> , 33, 18553-65	68
1968	A heterogeneous lineage origin underlies the phenotypic and molecular differences of white and beige adipocytes. <b>2013</b> , 126, 3527-32	39
1967	Distinct populations of adipogenic and myogenic Myf5-lineage progenitors in white adipose tissues. <b>2013</b> , 54, 2214-2224	63
1966	Wnt4/Ecatenin signaling in medullary kidney myofibroblasts. <b>2013</b> , 24, 1399-412	123
1965	BRCA1 interacts with Nrf2 to regulate antioxidant signaling and cell survival. <b>2013</b> , 210, 1529-44	197
1964	NGL-2 regulates pathway-specific neurite growth and lamination, synapse formation, and signal transmission in the retina. <b>2013</b> , 33, 11949-59	52
1963	A combinatorial optogenetic approach to medial habenula function. <b>2013</b> ,	
1962	Mouse Hoxa2 mutations provide a model for microtia and auricle duplication. <b>2013</b> , 140, 4386-97	44
1961	In vivo identification of periodontal progenitor cells. <b>2013</b> , 92, 709-15	62
1960	Sonic hedgehog signals to multiple prostate stromal stem cells that replenish distinct stromal subtypes during regeneration. <b>2013</b> , 110, 20611-6	48
1959	Dopamine D2 receptors regulate collateral inhibition between striatal medium spiny neurons. <b>2013</b> , 33, 14075-86	34
1958	The protein kinase A regulatory subunit R1A (Prkar1a) plays critical roles in peripheral nerve development. <b>2013</b> , 33, 17967-75	16
1957	FACS array profiling identifies Ecto-5' nucleotidase as a striatopallidal neuron-specific gene involved in striatal-dependent learning. <b>2013</b> , 33, 8794-809	34
1956	Postnatal loss of P/Q-type channels confined to rhombic-lip-derived neurons alters synaptic transmission at the parallel fiber to purkinje cell synapse and replicates genomic Cacna1a mutation phenotype of ataxia and seizures in mice. <b>2013</b> , 33, 5162-74	45
1955	Fetal adrenal capsular cells serve as progenitor cells for steroidogenic and stromal adrenocortical cell lineages in M. musculus. <b>2013</b> , 140, 4522-32	53
1954	Hopx expression defines a subset of multipotent hair follicle stem cells and a progenitor population primed to give rise to K6+ niche cells. <b>2013</b> , 140, 1655-64	59

1953	Generation of hair cells in neonatal mice by Ectatinin overexpression in Lgr5-positive cochlear progenitors. <b>2013</b> , 110, 13851-6	127
1952	Extensive regenerative plasticity among adult NG2-glia populations is exclusively based on self-renewal. <b>2013</b> , 61, 1735-47	35
1951	Non-parallel recombination limits Cre-LoxP-based reporters as precise indicators of conditional genetic manipulation. <b>2013</b> , 51, 436-42	71
1950	Physiological and morphological properties of Dbx1-derived respiratory neurons in the pre-Botzinger complex of neonatal mice. <b>2013</b> , 591, 2687-703	40
1949	Manipulating gene expression in projection-specific neuronal populations using combinatorial viral approaches. <b>2013</b> , 65, 4.35.1-20	42
1948	A corticotropin releasing factor pathway for ethanol regulation of the ventral tegmental area in the bed nucleus of the stria terminalis. <b>2013</b> , 33, 950-60	110
1947	Motile invaded neutrophils in the small intestine of Toxoplasma gondii-infected mice reveal a potential mechanism for parasite spread. <b>2013</b> , 110, E1913-22	102
1946	Regulation of spine formation by ErbB4 in PV-positive interneurons. <b>2013</b> , 33, 19295-303	50
1945	Lhx2 balances progenitor maintenance with neurogenic output and promotes competence state progression in the developing retina. <b>2013</b> , 33, 12197-207	48
1944	Subepicardial endothelial cells invade the embryonic ventricle wall to form coronary arteries. <b>2013</b> , 23, 1075-90	143
1943	Neuropathic and inflammatory pain are modulated by tuberoinfundibular peptide of 39 residues. <b>2013</b> , 110, 13156-61	16
1942	Requirement for integrin-linked kinase in neural crest migration and differentiation and outflow tract morphogenesis. <b>2013</b> , 11, 107	18
1941	Neuronal and nonneuronal cholinergic structures in the mouse gastrointestinal tract and spleen. <b>2013</b> , 521, 3741-67	89
1940	Role of the postnatal radial glial scaffold for the development of the dentate gyrus as revealed by Reelin signaling mutant mice. <b>2013</b> , 61, 1347-63	21
1939	Physical principles for scalable neural recording. <b>2013</b> , 7, 137	155
1938	Novel ROSA26 Cre-reporter knock-in C57BL/6N mice exhibiting green emission before and red emission after Cre-mediated recombination. <b>2013</b> , 62, 295-304	35
1937	CDC42 is required for tissue lamination and cell survival in the mouse retina. <b>2013</b> , 8, e53806	18
1936	Correlative in vivo 2 photon and focused ion beam scanning electron microscopy of cortical neurons. <b>2013</b> , 8, e57405	65

1935	In vivo visualization of Notch1 proteolysis reveals the heterogeneity of Notch1 signaling activity in the mouse cochlea. <b>2013</b> , 8, e64903	12
1934	Characterization of corticotropin-releasing hormone neurons in the paraventricular nucleus of the hypothalamus of Crh-IRES-Cre mutant mice. <b>2013</b> , 8, e64943	94
1933	Endothelial Progenitors Exist within the Kidney and Lung Mesenchyme. <b>2013</b> , 8, e65993	65
1932	Lgr5 Identifies Progenitor Cells Capable of Taste Bud Regeneration after Injury. <b>2013</b> , 8, e66314	44
1931	Genetic background affects human glial fibrillary acidic protein promoter activity. <b>2013</b> , 8, e66873	18
1930	Fate mapping for activation-induced cytidine deaminase (AID) marks non-lymphoid cells during mouse development. <b>2013</b> , 8, e69208	17
1929	Contrasting quiescent G0 phase with mitotic cell cycling in the mouse immune system. <b>2013</b> , 8, e73801	51
1928	Preosteocytes/osteocytes have the potential to dedifferentiate becoming a source of osteoblasts. <b>2013</b> , 8, e75204	36
1927	A transcription factor code defines nine sensory interneuron subtypes in the mechanosensory area of the spinal cord. <b>2013</b> , 8, e77928	40
1926	Evidence for NG2-glia derived, adult-born functional neurons in the hypothalamus. <b>2013</b> , 8, e78236	64
1925	Peritruncal coronary endothelial cells contribute to proximal coronary artery stems and their aortic orifices in the mouse heart. <b>2013</b> , 8, e80857	26
1924	Label retaining cells (LRCs) with myoepithelial characteristic from the proximal acinar region define stem cells in the sweat gland. <b>2013</b> , 8, e74174	26
1923	Paradoxical proepileptic response to NMDA receptor blockade linked to cortical interneuron defect in stargazer mice. <b>2013</b> , 7, 156	28
1922	Dynamics of action potential firing in electrically connected striatal fast-spiking interneurons. <b>2013</b> , 7, 209	19
1921	Architecture and development of olivocerebellar circuit topography. <b>2012</b> , 6, 115	26
1920	Vesicular stomatitis virus with the rabies virus glycoprotein directs retrograde transsynaptic transport among neurons in vivo. <b>2013</b> , 7, 11	32
1919	Corticospinal tract insult alters GABAergic circuitry in the mammalian spinal cord. <b>2013</b> , 7, 150	9
1918	Next-generation transgenic mice for optogenetic analysis of neural circuits. <b>2013</b> , 7, 160	46

1917	Germline recombination by conditional gene targeting with Parvalbumin-Cre lines. <b>2013</b> , 7, 168	17
1916	Distinct roles of synaptic and extrasynaptic GABA receptors in striatal inhibition dynamics. <b>2013</b> , 7, 186	15
1915	Not all that glitters is gold: off-target recombination in the somatostatin-IRES-Cre mouse line labels a subset of fast-spiking interneurons. <b>2013</b> , 7, 195	79
1914	Optogenetic approaches for functional mouse brain mapping. <b>2013</b> , 7, 54	37
1913	Molecular anatomy of the gut-brain axis revealed with transgenic technologies: implications in metabolic research. <b>2013</b> , 7, 134	29
1912	Controlling feeding behavior by chemical or gene-directed targeting in the brain: what's so spatial about our methods?. <b>2013</b> , 7, 182	16
1911	Modulation of firing and synaptic transmission of serotonergic neurons by intrinsic G protein-coupled receptors and ion channels. <b>2013</b> , 7, 40	40
1910	Ablation of the renal stroma defines its critical role in nephron progenitor and vasculature patterning. <b>2014</b> , 9, e88400	53
1909	Hypoxia inducible factor-2 $\alpha$ regulates the development of retinal astrocytic network by maintaining adequate supply of astrocyte progenitors. <b>2014</b> , 9, e84736	21
1908	Hilar somatostatin interneurons contribute to synchronized GABA activity in an in vitro epilepsy model. <b>2014</b> , 9, e86250	12
1907	In vivo generation of immature inner hair cells in neonatal mouse cochleae by ectopic Atoh1 expression. <b>2014</b> , 9, e89377	59
1906	Generation and characterization of an Nse-CreERT2 transgenic line suitable for inducible gene manipulation in cerebellar granule cells. <b>2014</b> , 9, e100384	7
1905	Effects of cell-attachment and extracellular matrix on bone formation in vivo in collagen-hydroxyapatite scaffolds. <b>2014</b> , 9, e109568	16
1904	Lgr5 Marks Post-Mitotic, Lineage Restricted Cerebellar Granule Neurons during Postnatal Development. <b>2014</b> , 9, e114433	10
1903	Lack of functional specialization of neurons in the mouse primary visual cortex that have expressed calretinin. <b>2014</b> , 8, 89	6
1902	Optogenetic modulation of descending prefrontocortical inputs to the dorsal raphe bidirectionally bias socioaffective choices after social defeat. <b>2014</b> , 8, 43	81
1901	Ex vivo dissection of optogenetically activated mPFC and hippocampal inputs to neurons in the basolateral amygdala: implications for fear and emotional memory. <b>2014</b> , 8, 64	75
1900	Optogenetic evocation of field inhibitory postsynaptic potentials in hippocampal slices: a simple and reliable approach for studying pharmacological effects on GABAA and GABAB receptor-mediated neurotransmission. <b>2014</b> , 8, 2	9

1899	Genetic dissection of GABAergic neural circuits in mouse neocortex. <b>2014</b> , 8, 8	53
1898	Anatomical characterization of Cre driver mice for neural circuit mapping and manipulation. <b>2014</b> , 8, 76	254
1897	MicroRNA-9 controls dendritic development by targeting REST. <b>2014</b> , 3,	61
1896	Lineage tracing of resident tendon progenitor cells during growth and natural healing. <b>2014</b> , 9, e96113	98
1895	The Schlemm's canal is a VEGF-C/VEGFR-3-responsive lymphatic-like vessel. <b>2014</b> , 124, 3975-86	140
1894	Oligodendrocyte precursor cell-intrinsic effect of Rheb1 controls differentiation and mediates mTORC1-dependent myelination in brain. <b>2014</b> , 34, 15764-78	41
1893	Sall1 maintains nephron progenitors and nascent nephrons by acting as both an activator and a repressor. <b>2014</b> , 25, 2584-95	53
1892	Monitoring neurogenesis in the cerebral cortex: an update. <b>2014</b> , 9, 323-340	3
1891	Glutamatergic neuron-targeted loss of LGI1 epilepsy gene results in seizures. <b>2014</b> , 137, 2984-96	34
1890	Layer 6 corticothalamic neurons activate a cortical output layer, layer 5a. <b>2014</b> , 34, 9656-64	91
1889	Selective expression of a dominant-negative type I PKA regulatory subunit in striatal medium spiny neurons impairs gene expression and leads to reduced feeding and locomotor activity. <b>2014</b> , 34, 4896-904	21
1888	Large-scale somatotopic refinement via functional synapse elimination in the sensory thalamus of developing mice. <b>2014</b> , 34, 1258-70	23
1887	Acute depletion of endothelial $\beta$ -integrin transiently inhibits tumor growth and angiogenesis in mice. <b>2014</b> , 114, 79-91	31
1886	Genetically targeted binary labeling of retinal neurons. <b>2014</b> , 34, 7845-61	46
1885	Up-regulation of glycolytic metabolism is required for HIF1 $\alpha$ -driven bone formation. <b>2014</b> , 111, 8673-8	88
1884	Opposing effects of acute versus chronic blockade of frontal cortex somatostatin-positive inhibitory neurons on behavioral emotionality in mice. <b>2014</b> , 39, 2252-62	88
1883	Neuronal targets for reducing mutant huntingtin expression to ameliorate disease in a mouse model of Huntington's disease. <b>2014</b> , 20, 536-41	144
1882	The timing of upper-layer neurogenesis is conferred by sequential derepression and negative feedback from deep-layer neurons. <b>2014</b> , 34, 13259-76	63

1881	Astrocyte activation is suppressed in both normal and injured brain by FGF signaling. <b>2014</b> , 111, E2987-95	79
1880	NG2-cells are not the cell of origin for murine neurofibromatosis-1 (Nf1) optic glioma. <b>2014</b> , 33, 289-99	18
1879	Lineage-tracing methods and the kidney. <b>2014</b> , 86, 481-8	24
1878	Differential regulation of microtubule severing by APC underlies distinct patterns of projection neuron and interneuron migration. <b>2014</b> , 31, 677-89	23
1877	Ascl1 controls the number and distribution of astrocytes and oligodendrocytes in the gray matter and white matter of the spinal cord. <b>2014</b> , 141, 3721-31	24
1876	Visualization of corticotropin-releasing factor neurons by fluorescent proteins in the mouse brain and characterization of labeled neurons in the paraventricular nucleus of the hypothalamus. <b>2014</b> , 155, 4054-60	26
1875	Defining midbrain dopaminergic neuron diversity by single-cell gene expression profiling. <b>2014</b> , 9, 930-43	179
1874	Blocking PirB up-regulates spines and functional synapses to unlock visual cortical plasticity and facilitate recovery from amblyopia. <b>2014</b> , 6, 258ra140	66
1873	Renal blood flow and oxygenation drive nephron progenitor differentiation. <b>2014</b> , 307, F337-45	22
1872	SAD kinases control the maturation of nerve terminals in the mammalian peripheral and central nervous systems. <b>2014</b> , 111, 1138-43	19
1871	Cholinergic signals in mouse barrel cortex during active whisker sensing. <b>2014</b> , 9, 1654-1660	125
1870	Serotonergic versus nonserotonergic dorsal raphe projection neurons: differential participation in reward circuitry. <b>2014</b> , 8, 1857-1869	130
1869	BLIMP1 is required for postnatal epidermal homeostasis but does not define a sebaceous gland progenitor under steady-state conditions. <b>2014</b> , 3, 620-33	39
1868	EphB receptor forward signaling regulates area-specific reciprocal thalamic and cortical axon pathfinding. <b>2014</b> , 111, 2188-93	30
1867	A simple method for 3D analysis of immunolabeled axonal tracts in a transparent nervous system. <b>2014</b> , 9, 1191-201	108
1866	Experience-dependent specialization of receptive field surround for selective coding of natural scenes. <b>2014</b> , 84, 457-69	48
1865	Wnts produced by Osterix-expressing osteolineage cells regulate their proliferation and differentiation. <b>2014</b> , 111, E5262-71	44
1864	Spontaneous hair cell regeneration in the neonatal mouse cochlea in vivo. <b>2014</b> , 141, 816-29	187



1863	Nrf2 protects pancreatic $\beta$ cells from oxidative and nitrosative stress in diabetic model mice. <b>2014</b> , 63, 605-18	124
1862	Spontaneous regeneration of cochlear supporting cells after neonatal ablation ensures hearing in the adult mouse. <b>2014</b> , 111, 16919-24	40
1861	The cellular and molecular basis of direction selectivity of AETMRs. <b>2014</b> , 159, 1640-51	86
1860	Topography and areal organization of mouse visual cortex. <b>2014</b> , 34, 12587-600	205
1859	Transient SNAIL1 expression is necessary for metastatic competence in breast cancer. <b>2014</b> , 74, 6330-40	140
1858	Distinct representation and distribution of visual information by specific cell types in mouse superficial superior colliculus. <b>2014</b> , 34, 13458-71	114
1857	Piezo2 is the major transducer of mechanical forces for touch sensation in mice. <b>2014</b> , 516, 121-5	439
1856	Evidence that hypothalamic RFamide related peptide-3 neurones are not leptin-responsive in mice and rats. <b>2014</b> , 26, 247-57	20
1855	Mouse Genetics. <b>2014</b> ,	2
1854	Visual stimuli recruit intrinsically generated cortical ensembles. <b>2014</b> , 111, E4053-61	162
1853	Integrins, myofibroblasts, and organ fibrosis. <b>2014</b> , 60, 756-8	7
1852	Mesoscale transcranial spontaneous activity mapping in GCaMP3 transgenic mice reveals extensive reciprocal connections between areas of somatomotor cortex. <b>2014</b> , 34, 15931-46	105
1851	Distinct physiological and developmental properties of hippocampal CA2 subfield revealed by using anti-Purkinje cell protein 4 (PCP4) immunostaining. <b>2014</b> , 522, 1333-54	41
1850	Dnmt3a in Sim1 neurons is necessary for normal energy homeostasis. <b>2014</b> , 34, 15288-96	34
1849	The tumor suppressor Nf2 regulates corpus callosum development by inhibiting the transcriptional coactivator Yap. <b>2014</b> , 141, 4182-93	27
1848	Specificity and efficiency of reporter expression in adult neural progenitors vary substantially among nestin-CreER(T2) lines. <b>2014</b> , 522, 1191-208	48
1847	The chromatin remodeling protein CHD7, mutated in CHARGE syndrome, is necessary for proper craniofacial and tracheal development. <b>2014</b> , 243, 1055-66	28
1846	Variations in the efficiency of lineage marking and ablation confound distinctions between myogenic cell populations. <b>2014</b> , 31, 654-67	34

1845	Neurodevelopment. Dendrite morphogenesis depends on relative levels of NT-3/TrkC signaling. <b>2014</b> , 346, 626-9	69
1844	Mammalian Nkx2.2+ perineurial glia are essential for motor nerve development. <b>2014</b> , 243, 1116-29	24
1843	Live imaging of endogenous PSD-95 using ENABLED: a conditional strategy to fluorescently label endogenous proteins. <b>2014</b> , 34, 16698-712	47
1842	Identification of spinal circuits transmitting and gating mechanical pain. <b>2014</b> , 159, 1417-1432	315
1841	Identification of the pre-Bötzinger complex inspiratory center in calibrated "sandwich" slices from newborn mice with fluorescent Dbx1 interneurons. <b>2014</b> , 2, e12111	33
1840	Cortical plasticity induced by transplantation of embryonic somatostatin or parvalbumin interneurons. <b>2014</b> , 111, 18339-44	64
1839	A subset of chondrogenic cells provides early mesenchymal progenitors in growing bones. <b>2014</b> , 16, 1157-67	265
1838	MicroRNA-17~92 is required for nephrogenesis and renal function. <b>2014</b> , 25, 1440-52	57
1837	Notch signaling is required for the formation of mesangial cells from a stromal mesenchyme precursor during kidney development. <b>2014</b> , 141, 346-54	45
1836	Prolonged deficits in parvalbumin neuron stimulation-evoked network activity despite recovery of dendritic structure and excitability in the somatosensory cortex following global ischemia in mice. <b>2014</b> , 34, 14890-900	20
1835	Pax6 regulates the formation of the habenular nuclei by controlling the temporospatial expression of Shh in the diencephalon in vertebrates. <b>2014</b> , 12, 13	26
1834	Non-invasive activation of optogenetic actuators. <b>2014</b> , 8928,	9
1833	YY1 is indispensable for Lgr5+ intestinal stem cell renewal. <b>2014</b> , 111, 7695-700	39
1832	Transgenic mouse lines subdivide external segment of the globus pallidus (GPe) neurons and reveal distinct GPe output pathways. <b>2014</b> , 34, 2087-99	114
1831	Binary recombinase systems for high-resolution conditional mutagenesis. <b>2014</b> , 42, 3894-907	51
1830	Plasticity of binocularity and visual acuity are differentially limited by nogo receptor. <b>2014</b> , 34, 11631-40	52
1829	Yolk-sac-derived macrophages regulate fetal testis vascularization and morphogenesis. <b>2014</b> , 111, E2384-93	108
1828	Dynamic haematopoietic cell contribution to the developing and adult epicardium. <b>2014</b> , 5, 4054	28

1827	Peripheral benzodiazepine receptor/translocator protein global knock-out mice are viable with no effects on steroid hormone biosynthesis. <b>2014</b> , 289, 27444-54	174
1826	Priming of microglia in a DNA-repair deficient model of accelerated aging. <b>2014</b> , 35, 2147-60	88
1825	Transcriptional regulation of enhancers active in protodomains of the developing cerebral cortex. <b>2014</b> , 82, 989-1003	73
1824	Possible crosstalk between leptin and prolactin during pregnancy. <b>2014</b> , 259, 71-83	63
1823	The hippocampal CA2 region is essential for social memory. <b>2014</b> , 508, 88-92	476
1822	ECatenin activation regulates tissue growth non-cell autonomously in the hair stem cell niche. <b>2014</b> , 343, 1353-6	85
1821	A cortical circuit for gain control by behavioral state. <b>2014</b> , 156, 1139-1152	581
1820	Selective disruption of dopamine D2 receptors in pituitary lactotropes increases body weight and adiposity in female mice. <b>2014</b> , 155, 829-39	38
1819	Molecular neuroanatomy: a generation of progress. <b>2014</b> , 37, 106-23	26
1818	A synthetic luciferin improves bioluminescence imaging in live mice. <b>2014</b> , 11, 393-5	126
1817	Cholinergic inputs from Basal forebrain add an excitatory bias to odor coding in the olfactory bulb. <b>2014</b> , 34, 4654-64	83
1816	Loss of MeCP2 from forebrain excitatory neurons leads to cortical hyperexcitation and seizures. <b>2014</b> , 34, 2754-63	86
1815	Immunologic applications of conditional gene modification technology in the mouse. <b>2014</b> , 105, 10.34.1-10.34.13	13
1814	The Allen Brain Atlas. <b>2014</b> , 1111-1126	9
1813	Genetic activation of ERK5 MAP kinase enhances adult neurogenesis and extends hippocampus-dependent long-term memory. <b>2014</b> , 34, 2130-47	59
1812	BMP signaling regulates the tempo of adult hippocampal progenitor maturation at multiple stages of the lineage. <b>2014</b> , 32, 2201-14	51
1811	Lhx6 directly regulates Arx and CXCR7 to determine cortical interneuron fate and laminar position. <b>2014</b> , 82, 350-64	88
1810	Histamine inhibits the melanin-concentrating hormone system: implications for sleep and arousal. <b>2014</b> , 592, 2183-96	27

1809	Fear conditioning potentiates synaptic transmission onto long-range projection neurons in the lateral subdivision of central amygdala. <b>2014</b> , 34, 2432-7	127
1808	Longitudinal in vivo two-photon fluorescence imaging. <b>2014</b> , 522, 1708-27	19
1807	Obligate progression precedes lung adenocarcinoma dissemination. <b>2014</b> , 4, 781-9	40
1806	Chemogenetic synaptic silencing of neural circuits localizes a hypothalamus-midbrain pathway for feeding behavior. <b>2014</b> , 82, 797-808	281
1805	Cardiogenic genes expressed in cardiac fibroblasts contribute to heart development and repair. <b>2014</b> , 114, 1422-34	152
1804	Emergence of reproducible spatiotemporal activity during motor learning. <b>2014</b> , 510, 263-7	275
1803	Cell type-specific mRNA purification by translating ribosome affinity purification (TRAP). <b>2014</b> , 9, 1282-91	244
1802	Control of stress-induced persistent anxiety by an extra-amygdala septohypothalamic circuit. <b>2014</b> , 156, 522-36	147
1801	A murid gamma-herpesviruses exploits normal splenic immune communication routes for systemic spread. <b>2014</b> , 15, 457-70	47
1800	Specific ablation of Nampt in adult neural stem cells recapitulates their functional defects during aging. <b>2014</b> , 33, 1321-40	154
1799	Novel NG2-CreERT2 knock-in mice demonstrate heterogeneous differentiation potential of NG2 glia during development. <b>2014</b> , 62, 896-913	107
1798	Direct excitation of parvalbumin-positive interneurons by M1 muscarinic acetylcholine receptors: roles in cellular excitability, inhibitory transmission and cognition. <b>2014</b> , 592, 3463-94	88
1797	Two nested developmental waves demarcate a compartment boundary in the mouse lung. <b>2014</b> , 5, 3923	68
1796	Mouse Molecular Embryology. <b>2014</b> ,	2
1795	Brain Development. <b>2014</b> ,	0
1794	Differentiated kidney epithelial cells repair injured proximal tubule. <b>2014</b> , 111, 1527-32	287
1793	A smad signaling network regulates islet cell proliferation. <b>2014</b> , 63, 224-36	54
1792	Viral Vector Approaches in Neurobiology and Brain Diseases. <b>2014</b> ,	

1791	Optical Imaging of Neocortical Dynamics. <b>2014</b> ,	6
1790	Alveolar progenitor and stem cells in lung development, renewal and cancer. <b>2014</b> , 507, 190-4	564
1789	Neuronal Ig/Caspr recognition promotes the formation of axoaxonic synapses in mouse spinal cord. <b>2014</b> , 81, 120-9	53
1788	Cellular origins of auditory event-related potential deficits in Rett syndrome. <i>Nature Neuroscience</i> , <b>2014</b> , 17, 804-6	25.5 55
1787	A genetically specified connectomics approach applied to long-range feeding regulatory circuits. <i>Nature Neuroscience</i> , <b>2014</b> , 17, 1830-9	25.5 61
1786	Testing the role of preBötzing Complex somatostatin neurons in respiratory and vocal behaviors. <b>2014</b> , 40, 3067-77	20
1785	CXCR4 and a cell-extrinsic mechanism control immature B lymphocyte egress from bone marrow. <b>2014</b> , 211, 2567-81	81
1784	Visualizing mammalian brain area interactions by dual-axis two-photon calcium imaging. <i>Nature Neuroscience</i> , <b>2014</b> , 17, 1825-9	25.5 101
1783	Mesenchymal cells. Defining a mesenchymal progenitor niche at single-cell resolution. <b>2014</b> , 346, 1258810	99
1782	Rapid modelling of cooperating genetic events in cancer through somatic genome editing. <b>2014</b> , 516, 428-31	278
1781	Defining functional gene-circuit interfaces in the mouse nervous system. <b>2014</b> , 13, 2-12	8
1780	Single luminal epithelial progenitors can generate prostate organoids in culture. <b>2014</b> , 16, 951-61, 1-4	208
1779	Multiphasic modulation of cholinergic interneurons by nigrostriatal afferents. <b>2014</b> , 34, 8557-69	66
1778	Hypothalamic miR-103 protects from hyperphagic obesity in mice. <b>2014</b> , 34, 10659-74	50
1777	Reduced cognition in Syngap1 mutants is caused by isolated damage within developing forebrain excitatory neurons. <b>2014</b> , 82, 1317-33	70
1776	Megakaryocytes maintain homeostatic quiescence and promote post-injury regeneration of hematopoietic stem cells. <b>2014</b> , 20, 1321-6	352
1775	Markers of epidermal stem cell subpopulations in adult mammalian skin. <b>2014</b> , 4,	73
1774	Distinct macrophage lineages contribute to disparate patterns of cardiac recovery and remodeling in the neonatal and adult heart. <b>2014</b> , 111, 16029-34	397

1773	Neurogenin3 restricts serotonergic neuron differentiation to the hindbrain. <b>2014</b> , 34, 15223-33	22
1772	Loss of mitochondrial fission depletes axonal mitochondria in midbrain dopamine neurons. <b>2014</b> , 34, 14304-17	129
1771	Maintenance of GABAergic activity by neuregulin 1-ErbB4 in amygdala for fear memory. <b>2014</b> , 84, 835-46	65
1770	Small RNA combination therapy for lung cancer. <b>2014</b> , 111, E3553-61	177
1769	Connexin defects underlie arrhythmogenic right ventricular cardiomyopathy in a novel mouse model. <b>2014</b> , 23, 1134-50	64
1768	Long-term survival of influenza virus infected club cells drives immunopathology. <b>2014</b> , 211, 1707-14	63
1767	Acinar cell-specific knockout of the PTHrP gene decreases the proinflammatory and profibrotic responses in pancreatitis. <b>2014</b> , 307, G533-49	10
1766	Evidence against a stem cell origin of new hepatocytes in a common mouse model of chronic liver injury. <b>2014</b> , 8, 933-9	207
1765	Hippocampal memory traces are differentially modulated by experience, time, and adult neurogenesis. <b>2014</b> , 83, 189-201	281
1764	Early lineage restriction in temporally distinct populations of Mesp1 progenitors during mammalian heart development. <b>2014</b> , 16, 829-40	187
1763	Apolipoprotein E4 produced in GABAergic interneurons causes learning and memory deficits in mice. <b>2014</b> , 34, 14069-78	53
1762	Internalization and TLR-dependent type I interferon production by monocytes in response to <i>Toxoplasma gondii</i> . <b>2014</b> , 92, 872-81	32
1761	Genetic labeling reveals novel cellular targets of schizophrenia susceptibility gene: distribution of GABA and non-GABA ErbB4-positive cells in adult mouse brain. <b>2014</b> , 34, 13549-66	64
1760	Direct genesis of functional rodent and human schwann cells from skin mesenchymal precursors. <b>2014</b> , 3, 85-100	46
1759	Population of sensory neurons essential for asthmatic hyperreactivity of inflamed airways. <b>2014</b> , 111, 11515-20	143
1758	Global optogenetic activation of inhibitory interneurons during epileptiform activity. <b>2014</b> , 34, 3364-77	76
1757	Central amygdala PKC- $\zeta$ neurons mediate the influence of multiple anorexigenic signals. <i>Nature Neuroscience</i> , <b>2014</b> , 17, 1240-8	25.5 203
1756	Oligodendrocyte-encoded HIF function couples postnatal myelination and white matter angiogenesis. <b>2014</b> , 158, 383-396	230

1755	T-Helper Cells. <b>2014</b> ,	1
1754	A population of glomerular glutamatergic neurons controls sensory information transfer in the mouse olfactory bulb. <b>2014</b> , 5, 3791	31
1753	Imaging activity in neurons and glia with a Polr2a-based and cre-dependent GCaMP5G-IRES-tdTomato reporter mouse. <b>2014</b> , 83, 1058-72	77
1752	A fourth generation of neuroanatomical tracing techniques: exploiting the offspring of genetic engineering. <b>2014</b> , 235, 331-48	42
1751	miRNAs 182 and 183 are necessary to maintain adult cone photoreceptor outer segments and visual function. <b>2014</b> , 83, 586-600	104
1750	Cardiac tissue slice transplantation as a model to assess tissue-engineered graft thickness, survival, and function. <b>2014</b> , 130, S77-86	27
1749	Conditional deletion of Mecp2 in parvalbumin-expressing GABAergic cells results in the absence of critical period plasticity. <b>2014</b> , 5, 5036	74
1748	Mesenchymal-endothelial transition contributes to cardiac neovascularization. <b>2014</b> , 514, 585-90	222
1747	Experience-dependent remodeling of basket cell networks in the dentate gyrus. <b>2014</b> , 84, 107-122	17
1746	CRISPR-Cas9 knockin mice for genome editing and cancer modeling. <b>2014</b> , 159, 440-55	1089
1745	Synapse-specific control of experience-dependent plasticity by presynaptic NMDA receptors. <b>2014</b> , 83, 879-93	52
1744	Antagonistic control of social versus repetitive self-grooming behaviors by separable amygdala neuronal subsets. <b>2014</b> , 158, 1348-1361	222
1743	Discriminating multiplexed GFP reporters in primary articular chondrocyte cultures using image cytometry. <b>2014</b> , 24, 1041-53	2
1742	Use of transgenic parasites and host reporters to dissect events that promote interleukin-12 production during toxoplasmosis. <b>2014</b> , 82, 4056-67	29
1741	Foxc1 is a critical regulator of haematopoietic stem/progenitor cell niche formation. <b>2014</b> , 508, 536-40	156
1740	Leptin-receptor-expressing mesenchymal stromal cells represent the main source of bone formed by adult bone marrow. <b>2014</b> , 15, 154-68	737
1739	Genetic labeling of neurons in mouse brain. <b>2014</b> , 2014, 150-60	6
1738	IRF4 is a key thermogenic transcriptional partner of PGC-1 $\beta$ . <b>2014</b> , 158, 69-83	173

1737	Vessel formation. De novo formation of a distinct coronary vascular population in neonatal heart. <b>2014</b> , 345, 90-4	136
1736	Primary cilia are required in a unique subpopulation of neural progenitors. <b>2014</b> , 111, 12438-43	79
1735	Neuronal cell type-specific alternative splicing is regulated by the KH domain protein SLM1. <b>2014</b> , 204, 331-42	55
1734	Role of the dorsal medial habenula in the regulation of voluntary activity, motor function, hedonic state, and primary reinforcement. <b>2014</b> , 34, 11366-84	80
1733	Bifunctional ectodermal stem cells around the nail display dual fate homeostasis and adaptive wounding response toward nail regeneration. <b>2014</b> , 111, 15114-9	19
1732	Cancer mouse models: past, present and future. <b>2014</b> , 27, 54-60	37
1731	Lgr5-positive supporting cells generate new hair cells in the postnatal cochlea. <b>2014</b> , 2, 311-22	138
1730	Vasculature-associated cells expressing nestin in developing bones encompass early cells in the osteoblast and endothelial lineage. <b>2014</b> , 29, 330-9	113
1729	The Lgr5 transgene is expressed specifically in glycinergic amacrine cells in the mouse retina. <b>2014</b> , 119, 106-10	18
1728	Hypoglycemia-activated GLUT2 neurons of the nucleus tractus solitarius stimulate vagal activity and glucagon secretion. <b>2014</b> , 19, 527-38	80
1727	Mapping sensory circuits by anterograde transsynaptic transfer of recombinant rabies virus. <b>2014</b> , 81, 766-78	68
1726	Ca <sup>2+</sup> responses in enteric glia are mediated by connexin-43 hemichannels and modulate colonic transit in mice. <b>2014</b> , 146, 497-507.e1	122
1725	Modality-specific thalamocortical inputs instruct the identity of postsynaptic L4 neurons. <b>2014</b> , 511, 471-4	82
1724	Neurodevelopment. Parasympathetic ganglia derive from Schwann cell precursors. <b>2014</b> , 345, 87-90	132
1723	Npas4 regulates excitatory-inhibitory balance within neural circuits through cell-type-specific gene programs. <b>2014</b> , 157, 1216-29	216
1722	Targeting cells with single vectors using multiple-feature Boolean logic. <b>2014</b> , 11, 763-72	290
1721	Translocator protein/peripheral benzodiazepine receptor is not required for steroid hormone biosynthesis. <b>2014</b> , 155, 89-97	172
1720	Equalizing excitation-inhibition ratios across visual cortical neurons. <b>2014</b> , 511, 596-600	423



1719	Comparative analysis of the efficiency and specificity of myeloid-Cre deleting strains using ROSA-EYFP reporter mice. <b>2014</b> , 408, 89-100	267
1718	Redefining the in vivo origin of metanephric nephron progenitors enables generation of complex kidney structures from pluripotent stem cells. <b>2014</b> , 14, 53-67	534
1717	V1 and v2b interneurons secure the alternating flexor-extensor motor activity mice require for limbed locomotion. <b>2014</b> , 82, 138-50	125
1716	3-D imaging and analysis of neurons infected in vivo with <i>Toxoplasma gondii</i> . <b>2014</b> ,	13
1715	Mice and rats achieve similar levels of performance in an adaptive decision-making task. <b>2014</b> , 8, 173	34
1714	Long-term Cre-mediated retrograde tagging of neurons using a novel recombinant pseudorabies virus. <b>2014</b> , 8, 86	34
1713	[Development of transgenic animals in optogenetics]. <b>2014</b> , 143, 193-7	
1712	The late endosomal adaptor molecule p14 (LAMTOR2) represents a novel regulator of Langerhans cell homeostasis. <b>2014</b> , 123, 217-27	39
1711	Fabp4-CreER lineage tracing reveals two distinctive coronary vascular populations. <b>2014</b> , 18, 2152-6	23
1710	Generation of a Tlx1(CreER-Venus) knock-in mouse strain for the study of spleen development. <b>2014</b> , 52, 916-23	4
1709	Deflection of a vibrissa leads to a gradient of strain across mechanoreceptors in a mystacial follicle. <b>2015</b> , 114, 138-45	16
1708	Cux2 activity defines a subpopulation of perinatal neurogenic progenitors in the hippocampus. <b>2015</b> , 25, 253-67	10
1707	Challenges in retinal circuit regeneration: linking neuronal connectivity to circuit function. <b>2015</b> , 38, 341-57	3
1706	Histone deacetylase inhibition protects hearing against acute ototoxicity by activating the NF-B pathway. <b>2015</b> , 1,	23
1705	Sall1 in renal stromal progenitors non-cell autonomously restricts the excessive expansion of nephron progenitors. <b>2015</b> , 5, 15676	23
1704	Cytokinesis failure in RhoA-deficient mouse erythroblasts involves actomyosin and midbody dysregulation and triggers p53 activation. <b>2015</b> , 126, 1473-82	16
1703	Notch signaling regulates gastric antral LGR5 stem cell function. <b>2015</b> , 34, 2522-36	57
1702	Photo-activatable Cre recombinase regulates gene expression in vivo. <b>2015</b> , 5, 13627	58

1701	Efficient Generation of Mice with Consistent Transgene Expression by FEEST. <b>2015</b> , 5, 16284	2
1700	Pseudo-immortalization of postnatal cochlear progenitor cells yields a scalable cell line capable of transcriptionally regulating mature hair cell genes. <b>2015</b> , 5, 17792	17
1699	3D Image-Guided Automatic Pipette Positioning for Single Cell Experiments in vivo. <b>2015</b> , 5, 18426	20
1698	Transplant-mediated enhancement of spinal cord GABAergic inhibition reverses paclitaxel-induced mechanical and heat hypersensitivity. <b>2015</b> , 156, 1084-1091	51
1697	Sox2-CreER mice are useful for fate mapping of mature, but not neonatal, cochlear supporting cells in hair cell regeneration studies. <b>2015</b> , 5, 11621	19
1696	Suppressor of Fused Is Critical for Maintenance of Neuronal Progenitor Identity during Corticogenesis. <b>2015</b> , 12, 2021-34	22
1695	Sox9 Activation Highlights a Cellular Pathway of Renal Repair in the Acutely Injured Mammalian Kidney. <b>2015</b> , 12, 1325-38	103
1694	Origin of a Non-Clarke's Column Division of the Dorsal Spinocerebellar Tract and the Role of Caudal Proprioceptive Neurons in Motor Function. <b>2015</b> , 13, 1258-1271	23
1693	Generation of brain tumours in mice by Cre-mediated recombination of neural progenitors in situ with the tamoxifen metabolite endoxifen. <b>2016</b> , 9, 211-20	9
1692	Pervasive satellite cell contribution to uninjured adult muscle fibers. <b>2015</b> , 5, 42	101
1691	Cre Activated and Inactivated Recombinant Adeno-Associated Viral Vectors for Neuronal Anatomical Tracing or Activity Manipulation. <b>2015</b> , 72, 1.24.1-1.24.15	16
1690	Generation of BAF53b-Cre transgenic mice with pan-neuronal Cre activities. <b>2015</b> , 53, 440-8	17
1689	Tamoxifen induces cellular stress in the nervous system by inhibiting cholesterol synthesis. <b>2015</b> , 3, 74	19
1688	Generation of a tamoxifen inducible Tnnt2MerCreMer knock-in mouse model for cardiac studies. <b>2015</b> , 53, 377-86	5
1687	Generation and characterization of PDGFR $\beta$ GFP-CreERT2 knock-In mouse line. <b>2015</b> , 53, 329-36	15
1686	Enteric glia express proteolipid protein 1 and are a transcriptionally unique population of glia in the mammalian nervous system. <b>2015</b> , 63, 2040-2057	99
1685	Evaluation of the expression pattern of rAAV2/1, 2/5, 2/7, 2/8, and 2/9 serotypes with different promoters in the mouse visual cortex. <b>2015</b> , 523, 2019-42	37
1684	Pharyngeal Satellite Cells Undergo Myogenesis Under Basal Conditions and Are Required for Pharyngeal Muscle Maintenance. <b>2015</b> , 33, 3581-95	21

1683	Robust and fragile aspects of cortical blood flow in relation to the underlying angioarchitecture. <b>2015</b> , 22, 204-218	62
1682	Input-specific regulation of hippocampal circuit maturation by non-muscle myosin IIB. <b>2015</b> , 134, 429-44	9
1681	Generation and characterization of an endothelin-2 iCre mouse. <b>2015</b> , 53, 245-56	8
1680	Characterization of a unique cell population marked by transgene expression in the adult cochlea of nestin-CreER(T2)/tdTomato-reporter mice. <b>2015</b> , 523, 1474-87	9
1679	A Cre-inducible fluorescent reporter for observing apical membrane dynamics. <b>2015</b> , 53, 285-93	6
1678	Exploring the Regulatory Mechanism of Stress Responses in the Paraventricular Nucleus of the Hypothalamus: Backgrounds and Future Perspectives of Corticotropin-Releasing Factor-Modified Yellow Fluorescent Protein-Knock-In Mouse. <b>2015</b> , 21, 213-224	
1677	Reduced matrix rigidity promotes neonatal cardiomyocyte dedifferentiation, proliferation and clonal expansion. <b>2015</b> , 4,	90
1676	Dbx1 precursor cells are a source of inspiratory XII premotoneurons. <b>2015</b> , 4,	39
1675	Visible rodent brain-wide networks at single-neuron resolution. <b>2015</b> , 9, 70	27
1674	Conditional targeting of medium spiny neurons in the striatal matrix. <b>2015</b> , 9, 71	16
1673	Impaired spatial memory and enhanced long-term potentiation in mice with forebrain-specific ablation of the Stim genes. <b>2015</b> , 9, 180	45
1672	Acetylcholine release in mouse hippocampal CA1 preferentially activates inhibitory-selective interneurons via $\alpha 7$ nicotinic receptor activation. <b>2015</b> , 9, 115	23
1671	The M-current contributes to high threshold membrane potential oscillations in a cell type-specific way in the pedunculopontine nucleus of mice. <b>2015</b> , 9, 121	18
1670	Observation and manipulation of glial cell function by virtue of sufficient probe expression. <b>2015</b> , 9, 176	1
1669	Genetic control of astrocyte function in neural circuits. <b>2015</b> , 9, 310	20
1668	Diversity and overlap of parvalbumin and somatostatin expressing interneurons in mouse presubiculum. <b>2015</b> , 9, 20	47
1667	Decoding brain state transitions in the pedunculopontine nucleus: cooperative phasic and tonic mechanisms. <b>2015</b> , 9, 68	31
1666	Bulk regional viral injection in neonatal mice enables structural and functional interrogation of defined neuronal populations throughout targeted brain areas. <b>2015</b> , 9, 72	11

1665	Orexin Receptor Activation Generates Gamma Band Input to Cholinergic and Serotonergic Arousal System Neurons and Drives an Intrinsic Ca(2+)-Dependent Resonance in LDT and PPT Cholinergic Neurons. <b>2015</b> , 6, 120	25
1664	Wide-field Ca(2+) imaging reveals visually evoked activity in the retrosplenial area. <b>2015</b> , 8, 20	30
1663	Hippocampal "cholinergic interneurons" visualized with the choline acetyltransferase promoter: anatomical distribution, intrinsic membrane properties, neurochemical characteristics, and capacity for cholinergic modulation. <b>2015</b> , 7, 4	32
1662	Optical clearing in dense connective tissues to visualize cellular connectivity in situ. <b>2015</b> , 10, e0116662	35
1661	A neuron-specific deletion of the microRNA-processing enzyme DICER induces severe but transient obesity in mice. <b>2015</b> , 10, e0116760	15
1660	Urothelial Defects from Targeted Inactivation of Exocyst Sec10 in Mice Cause Ureteropelvic Junction Obstructions. <b>2015</b> , 10, e0129346	25
1659	An Efficient and Versatile System for Visualization and Genetic Modification of Dopaminergic Neurons in Transgenic Mice. <b>2015</b> , 10, e0136203	4
1658	Embryonic attenuated Wnt/ $\beta$ -catenin signaling defines niche location and long-term stem cell fate in hair follicle. <b>2015</b> , 4, e10567	34
1657	Hematopoietic stem and progenitor cells regulate the regeneration of their niche by secreting Angiopoietin-1. <b>2015</b> , 4, e05521	114
1656	Neuromodulation of excitatory synaptogenesis in striatal development. <b>2015</b> , 4,	37
1655	PDGFR $\beta$ demarcates the cardiogenic clonogenic Sca1+ stem/progenitor cell in adult murine myocardium. <b>2015</b> , 6, 6930	106
1654	Cux2-positive radial glial cells generate diverse subtypes of neocortical projection neurons and macroglia. <b>2015</b> , 86, 1100-1108	46
1653	Lineage Tracing Using Cux2-Cre and Cux2-CreERT2 Mice. <b>2015</b> , 86, 1091-1099	54
1652	Cardiac lymphatics are heterogeneous in origin and respond to injury. <b>2015</b> , 522, 62-7	270
1651	CXCL12-Producing Vascular Endothelial Niches Control Acute T Cell Leukemia Maintenance. <b>2015</b> , 27, 755-68	175
1650	Mapping Anatomy to Behavior in Thy1:18 ChR2-YFP Transgenic Mice Using Optogenetics. <b>2015</b> , 2015, 537-48	6
1649	Subcapsular sinus macrophages limit acute gammaherpesvirus dissemination. <b>2015</b> , 96, 2314-2327	21
1648	Optogenetics. <b>2015</b> ,	10

1647	Incoherent feed-forward regulatory loops control segregation of C-mechanoreceptors, nociceptors, and pruriceptors. <b>2015</b> , 35, 5317-29	20
1646	Sim1 is required for the migration and axonal projections of V3 interneurons in the developing mouse spinal cord. <b>2015</b> , 75, 1003-17	21
1645	Different requirements for Wnt signaling in tongue myogenic subpopulations. <b>2015</b> , 94, 421-9	11
1644	Delayed inhibition of VEGF signaling after stroke attenuates blood-brain barrier breakdown and improves functional recovery in a comorbidity-dependent manner. <b>2015</b> , 35, 5128-43	108
1643	Cas21 is required for cardiomyocyte G1-to-S phase progression during mammalian cardiac development. <b>2015</b> , 142, 2037-47	22
1642	Second-generation Notch1 activity-trap mouse line (N1IP::CreH1) provides a more comprehensive map of cells experiencing Notch1 activity. <b>2015</b> , 142, 1193-202	11
1641	Loss of LKB1 leads to impaired epithelial integrity and cell extrusion in the early mouse embryo. <b>2015</b> , 128, 1011-22	10
1640	Mutant activated FGFR3 impairs endochondral bone growth by preventing SOX9 downregulation in differentiating chondrocytes. <b>2015</b> , 24, 1764-73	24
1639	A versatile clearing agent for multi-modal brain imaging. <b>2015</b> , 5, 9808	163
1638	Properties of precise firing synchrony between synaptically coupled cortical interneurons depend on their mode of coupling. <b>2015</b> , 114, 624-37	22
1637	Lentiviral vectors for retrograde delivery of recombinases and transactivators. <b>2015</b> , 2015, 368-74	6
1636	Discrete BDNF Neurons in the Paraventricular Hypothalamus Control Feeding and Energy Expenditure. <b>2015</b> , 22, 175-88	75
1635	Inducible activation of ERK5 MAP kinase enhances adult neurogenesis in the olfactory bulb and improves olfactory function. <b>2015</b> , 35, 7833-49	24
1634	Thalamocortical Connections Drive Intracortical Activation of Functional Columns in the Mislaminated Reeler Somatosensory Cortex. <b>2016</b> , 26, 820-37	20
1633	Ectopic Atoh1 expression drives Merkel cell production in embryonic, postnatal and adult mouse epidermis. <b>2015</b> , 142, 2533-44	21
1632	Loss of VGLUT3 Produces Circadian-Dependent Hyperdopaminergia and Ameliorates Motor Dysfunction and l-Dopa-Mediated Dyskinesias in a Model of Parkinson's Disease. <b>2015</b> , 35, 14983-99	38
1631	Differential Requirements of TCR Signaling in Homeostatic Maintenance and Function of Dendritic Epidermal T Cells. <b>2015</b> , 195, 4282-91	31
1630	Sequential Retraction Segregates SGN Processes during Target Selection in the Cochlea. <b>2015</b> , 35, 16221-35	31

1629	Reliable Genetic Labeling of Adult-Born Dentate Granule Cells Using Ascl1 CreERT2 and Glaxt CreERT2 Murine Lines. <b>2015</b> , 35, 15379-90	24
1628	Loss of MeCP2 in Parvalbumin-and Somatostatin-Expressing Neurons in Mice Leads to Distinct Rett Syndrome-like Phenotypes. <b>2015</b> , 88, 651-8	103
1627	A perisinusoidal niche for extramedullary haematopoiesis in the spleen. <b>2015</b> , 527, 466-471	145
1626	Therapeutic antibodies reveal Notch control of transdifferentiation in the adult lung. <b>2015</b> , 528, 127-31	128
1625	Resident c-kit(+) cells in the heart are not cardiac stem cells. <b>2015</b> , 6, 8701	216
1624	Redesign of the monomer-monomer interface of Cre recombinase yields an obligate heterotetrameric complex. <b>2015</b> , 43, 9076-85	12
1623	Morphology and function of three VIP-expressing amacrine cell types in the mouse retina. <b>2015</b> , 114, 2431-8	14
1622	EMX1 regulates NRP1-mediated wiring of the mouse anterior cingulate cortex. <b>2015</b> , 142, 3746-57	17
1621	COUPLING VOLTAMMETRY WITH OPTOGENETICS TO REVEAL AXONAL CONTROL OF DOPAMINE TRANSMISSION BY STRIATAL ACETYLCHOLINE. <b>2015</b> , 201-223	
1620	Mcl-1 is a key regulator of the ovarian reserve. <b>2015</b> , 6, e1755	20
1619	Differentiation and molecular heterogeneity of inhibitory and excitatory neurons associated with midbrain dopaminergic nuclei. <b>2016</b> , 143, 516-29	31
1618	Blocking IGF Signaling in Adult Neurons Alleviates Alzheimer's Disease Pathology through Amyloid- $\beta$ Clearance. <b>2015</b> , 35, 11500-13	86
1617	Heterogeneous transgene expression in the retinas of the TH-RFP, TH-Cre, TH-BAC-Cre and DAT-Cre mouse lines. <b>2015</b> , 307, 319-37	22
1616	Adult Thymic Medullary Epithelium Is Maintained and Regenerated by Lineage-Restricted Cells Rather Than Bipotent Progenitors. <b>2015</b> , 13, 1432-1443	56
1615	Nkx2.2 is expressed in a subset of enteroendocrine cells with expanded lineage potential. <b>2015</b> , 309, G975-87	16
1614	TrkB Signaling in Retinal Glia Stimulates Neuroprotection after Optic Nerve Injury. <b>2015</b> , 185, 3238-47	15
1613	In Vivo Monosynaptic Excitatory Transmission between Layer 2 Cortical Pyramidal Neurons. <b>2015</b> , 13, 2098-106	44
1612	Loss of Runx2 in committed osteoblasts impairs postnatal skeletogenesis. <b>2015</b> , 30, 71-82	34

1611	Delayed coupling to feedback inhibition during a critical period for the integration of adult-born granule cells. <b>2015</b> , 85, 116-130	128
1610	Mapping the dynamic expression of Wnt11 and the lineage contribution of Wnt11-expressing cells during early mouse development. <b>2015</b> , 398, 177-92	17
1609	Activation of the mouse odorant receptor 37 subsystem coincides with a reduction of novel environment-induced activity within the paraventricular nucleus of the hypothalamus. <b>2015</b> , 41, 793-801	26
1608	Cortical and Clonal Contribution of Tbr2 Expressing Progenitors in the Developing Mouse Brain. <b>2015</b> , 25, 3290-302	109
1607	Astroglial glutamate transporter deficiency increases synaptic excitability and leads to pathological repetitive behaviors in mice. <b>2015</b> , 40, 1569-79	89
1606	Depression of excitatory synapses onto parvalbumin interneurons in the medial prefrontal cortex in susceptibility to stress. <b>2015</b> , 35, 3201-6	71
1605	Visualizing whole-brain activity and development at the single-cell level using light-sheet microscopy. <b>2015</b> , 85, 462-83	159
1604	Disruption of Transient Serotonin Accumulation by Non-Serotonin-Producing Neurons Impairs Cortical Map Development. <b>2015</b> , 10, 346-358	43
1603	Unipotent, Atoh1+ progenitors maintain the Merkel cell population in embryonic and adult mice. <b>2015</b> , 208, 367-79	33
1602	Visualizing hypothalamic network dynamics for appetitive and consummatory behaviors. <b>2015</b> , 160, 516-27	320
1601	Thirst driving and suppressing signals encoded by distinct neural populations in the brain. <b>2015</b> , 520, 349-52	146
1600	Plasticity during motherhood: changes in excitatory and inhibitory layer 2/3 neurons in auditory cortex. <b>2015</b> , 35, 1806-15	47
1599	Cellular origin and developmental program of coronary angiogenesis. <b>2015</b> , 116, 515-30	117
1598	Genetic targeting of sprouting angiogenesis using Aplin-CreER. <b>2015</b> , 6, 6020	85
1597	Identification of a Prg4-expressing articular cartilage progenitor cell population in mice. <b>2015</b> , 67, 1261-73	119
1596	The cochlear sensory epithelium derives from Wnt responsive cells in the dorsomedial otic cup. <b>2015</b> , 399, 177-187	12
1595	Identification of a spinal circuit for light touch and fine motor control. <b>2015</b> , 160, 503-15	110
1594	Enteric plexuses of two choline-acetyltransferase transgenic mouse lines: chemical neuroanatomy of the fluorescent protein-expressing nerve cells. <b>2015</b> , 111, 76-83	4

1593	Gremlin 1 identifies a skeletal stem cell with bone, cartilage, and reticular stromal potential. <b>2015</b> , 160, 269-84	427
1592	Relative contribution of TARPs $\alpha 2$ and $\alpha 7$ to cerebellar excitatory synaptic transmission and motor behavior. <b>2015</b> , 112, E371-9	18
1591	GABAergic projections from lateral hypothalamus to paraventricular hypothalamic nucleus promote feeding. <b>2015</b> , 35, 3312-8	59
1590	Dentate gyrus-CA3 glutamate release/NMDA transmission mediates behavioral despair and antidepressant-like responses to leptin. <b>2015</b> , 20, 509-19	32
1589	Area-specific reestablishment of damaged circuits in the adult cerebral cortex by cortical neurons derived from mouse embryonic stem cells. <b>2015</b> , 85, 982-97	94
1588	Canonical wnt signaling regulates atrioventricular junction programming and electrophysiological properties. <b>2015</b> , 116, 398-406	57
1587	Endocannabinoid signaling modulates neurons of the pedunculopontine nucleus (PPN) via astrocytes. <b>2015</b> , 220, 3023-41	14
1586	A direct GABAergic output from the basal ganglia to frontal cortex. <b>2015</b> , 521, 85-9	181
1585	Neurog1 Genetic Inducible Fate Mapping (GIFM) Reveals the Existence of Complex Spatiotemporal Cyto-Architectures in the Developing Cerebellum. <b>2015</b> , 14, 247-63	8
1584	Dicer1 activity in the stromal compartment regulates nephron differentiation and vascular patterning during mammalian kidney organogenesis. <b>2015</b> , 87, 1125-40	37
1583	Utilizing GCaMP transgenic mice to monitor endogenous Gq/11-coupled receptors. <b>2015</b> , 6, 42	7
1582	Boundary Caps Give Rise to Neurogenic Stem Cells and Terminal Glia in the Skin. <b>2015</b> , 5, 278-90	45
1581	A30P $\beta$ -Synuclein interferes with the stable integration of adult-born neurons into the olfactory network. <b>2014</b> , 4, 3931	14
1580	Circuit Architecture of VTA Dopamine Neurons Revealed by Systematic Input-Output Mapping. <b>2015</b> , 162, 622-34	481
1579	Small-Molecule-Driven Direct Reprogramming of Mouse Fibroblasts into Functional Neurons. <b>2015</b> , 17, 195-203	274
1578	Lineage tracking of mesenchymal and endothelial progenitors in BMP-induced bone formation. <b>2015</b> , 81, 53-59	13
1577	Pericyte structure and distribution in the cerebral cortex revealed by high-resolution imaging of transgenic mice. <b>2015</b> , 2, 041402	169
1576	Loss of mTOR signaling affects cone function, cone structure and expression of cone specific proteins without affecting cone survival. <b>2015</b> , 135, 1-13	19



1575	Persistence of Functional Sensory Maps in the Absence of Cortical Layers in the Somatosensory Cortex of Reeler Mice. <b>2015</b> , 25, 2517-28	28
1574	The role of mitochondrially derived ATP in synaptic vesicle recycling. <b>2015</b> , 290, 22325-36	131
1573	SMN expression is required in motor neurons to rescue electrophysiological deficits in the SMN $\alpha$ mouse model of SMA. <b>2015</b> , 24, 5524-41	44
1572	Getting Down to Specifics: Profiling Gene Expression and Protein-DNA Interactions in a Cell Type-Specific Manner. <b>2015</b> , 91, 103-151	11
1571	Repression of arterial genes in hemogenic endothelium is sufficient for haematopoietic fate acquisition. <b>2015</b> , 6, 7739	87
1570	Loss of feedback inhibition via D2 autoreceptors enhances acquisition of cocaine taking and reactivity to drug-paired cues. <b>2015</b> , 40, 1495-509	38
1569	Viral-genetic tracing of the input-output organization of a central noradrenaline circuit. <b>2015</b> , 524, 88-92	397
1568	Rhadinovirus host entry by co-operative infection. <b>2015</b> , 11, e1004761	25
1567	Wakefulness Is Governed by GABA and Histamine Cotransmission. <b>2015</b> , 87, 164-78	99
1566	Coxsackievirus can exploit LC3 in both autophagy-dependent and -independent manners in vivo. <b>2015</b> , 11, 1389-407	33
1565	Single-Step Generation of Conditional Knockout Mouse Embryonic Stem Cells. <b>2015</b> , 12, 709-16	49
1564	Adrenal and Ovarian Phenotype of a Tissue-Specific Urocortin 2-Overexpressing Mouse Model. <b>2015</b> , 156, 2646-56	4
1563	Musculoskeletal integration at the wrist underlies the modular development of limb tendons. <b>2015</b> , 142, 2431-41	58
1562	Neurons in the most superficial lamina of the mouse superior colliculus are highly selective for stimulus direction. <b>2015</b> , 35, 7992-8003	52
1561	Hypothalamic Non-AgRP, Non-POMC GABAergic Neurons Are Required for Postweaning Feeding and NPY Hyperphagia. <b>2015</b> , 35, 10440-50	27
1560	Dissecting the phenotypes of Dravet syndrome by gene deletion. <b>2015</b> , 138, 2219-33	73
1559	CRH Engagement of the Locus Coeruleus Noradrenergic System Mediates Stress-Induced Anxiety. <b>2015</b> , 87, 605-20	285
1558	Single-Cell mRNA Profiling Reveals Cell-Type-Specific Expression of Neurexin Isoforms. <b>2015</b> , 87, 326-40	101

1557	Local Integration Accounts for Weak Selectivity of Mouse Neocortical Parvalbumin Interneurons. <b>2015</b> , 87, 424-36	50
1556	c-kit(+) cells adopt vascular endothelial but not epithelial cell fates during lung maintenance and repair. <b>2015</b> , 21, 866-8	50
1555	Learning enhances the relative impact of top-down processing in the visual cortex. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 1116-22	25.5 185
1554	Limitations of In Vivo Reprogramming to Dopaminergic Neurons via a Tricistronic Strategy. <b>2015</b> , 26, 107-22	2
1553	Wireless Optofluidic Systems for Programmable In Vivo Pharmacology and Optogenetics. <b>2015</b> , 162, 662-74	326
1552	Excessive Wnt/beta-catenin signaling promotes midbrain floor plate neurogenesis, but results in vacillating dopamine progenitors. <b>2015</b> , 68, 131-42	23
1551	Pancreatic cancer modeling using retrograde viral vector delivery and in vivo CRISPR/Cas9-mediated somatic genome editing. <b>2015</b> , 29, 1576-85	154
1550	Pathway-specific reorganization of projection neurons in somatosensory cortex during learning. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 1101-8	25.5 89
1549	New Techniques in Systems Neuroscience. <b>2015</b> ,	2
1548	Dynamin-related protein 1 is required for normal mitochondrial bioenergetic and synaptic function in CA1 hippocampal neurons. <b>2015</b> , 6, e1725	62
1547	Thermoresponsive Copolypeptide Hydrogel Vehicles for Central Nervous System Cell Delivery. <b>2015</b> , 1, 705-717	29
1546	Optical reconstruction of murine colorectal mucosa at cellular resolution. <b>2015</b> , 308, G721-35	14
1545	Intravital imaging of hair follicle regeneration in the mouse. <b>2015</b> , 10, 1116-30	46
1544	HEART DEVELOPMENT. Integration of Bmp and Wnt signaling by Hopx specifies commitment of cardiomyoblasts. <b>2015</b> , 348, aaa6071	89
1543	BRAIN CIRCUITS. A parvalbumin-positive excitatory visual pathway to trigger fear responses in mice. <b>2015</b> , 348, 1472-7	167
1542	STRUCTURAL BIOLOGY. A Cas9-guide RNA complex preorganized for target DNA recognition. <b>2015</b> , 348, 1477-81	330
1541	Progressive maturation of silent synapses governs the duration of a critical period. <b>2015</b> , 112, E3131-40	66
1540	Ascl1 Converts Dorsal Midbrain Astrocytes into Functional Neurons In Vivo. <b>2015</b> , 35, 9336-55	150

1539	CXCR7 Receptor Controls the Maintenance of Subpial Positioning of Cajal-Retzius Cells. <b>2015</b> , 25, 3446-57	12
1538	Effects of PTEN and Nogo Codeletion on Corticospinal Axon Sprouting and Regeneration in Mice. <b>2015</b> , 35, 6413-28	63
1537	SOX2 reprograms resident astrocytes into neural progenitors in the adult brain. <b>2015</b> , 4, 780-94	132
1536	Direct neuronal glucose uptake heralds activity-dependent increases in cerebral metabolism. <b>2015</b> , 6, 6807	209
1535	The transcription factor Mesp1 interacts with cAMP-responsive element binding protein 1 (Creb1) and coactivates Ets variant 2 (Etv2) gene expression. <b>2015</b> , 290, 9614-25	17
1534	An acetylcholine-activated microcircuit drives temporal dynamics of cortical activity. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 892-902	25.5 120
1533	Molecular and Genetic Analyses of Collagen Type IV Mutant Mouse Models of Spontaneous Intracerebral Hemorrhage Identify Mechanisms for Stroke Prevention. <b>2015</b> , 131, 1555-65	62
1532	A neural basis for melanocortin-4 receptor-regulated appetite. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 863-71	25.5 238
1531	New Transgenic Technologies. <b>2015</b> , 45-57	
1530	Ethanol and corticotropin releasing factor receptor modulation of central amygdala neurocircuitry: An update and future directions. <b>2015</b> , 49, 179-84	20
1529	Lack of evidence for ectopic sprouting of genetically labeled Allouche afferents in inflammatory and neuropathic trigeminal pain. <b>2015</b> , 11, 18	10
1528	Loss of Wnt5a disrupts second heart field cell deployment and may contribute to OFT malformations in DiGeorge syndrome. <b>2015</b> , 24, 1704-16	35
1527	Cre-driven optogenetics in the heterogeneous genetic panorama of the VTA. <b>2015</b> , 38, 375-86	33
1526	Attenuating endogenous Fgfr2b ligands during bleomycin-induced lung fibrosis does not compromise murine lung repair. <b>2015</b> , 308, L1014-24	15
1525	The suture provides a niche for mesenchymal stem cells of craniofacial bones. <b>2015</b> , 17, 386-96	203
1524	Vasoactive intestinal polypeptide (VIP)-expressing neurons in the suprachiasmatic nucleus provide sparse GABAergic outputs to local neurons with circadian regulation occurring distal to the opening of postsynaptic GABAA ionotropic receptors. <b>2015</b> , 35, 1905-20	37
1523	Heterogeneous activation of a slow myosin gene in proliferating myoblasts and differentiated single myofibers. <b>2015</b> , 402, 72-80	13
1522	Single granule cells excite Golgi cells and evoke feedback inhibition in the cochlear nucleus. <b>2015</b> , 35, 4741-50	12

1521	Transgenic mice for intersectional targeting of neural sensors and effectors with high specificity and performance. <b>2015</b> , 85, 942-58	631
1520	Egr3-dependent muscle spindle stretch receptor intrafusal muscle fiber differentiation and fusimotor innervation homeostasis. <b>2015</b> , 35, 5566-78	33
1519	Expression of a dominant negative PKA mutation in the kidney elicits a diabetes insipidus phenotype. <b>2015</b> , 308, F627-38	10
1518	Camk2a-Cre-mediated conditional deletion of chromatin remodeler Brg1 causes perinatal hydrocephalus. <b>2015</b> , 597, 71-6	8
1517	Viral-mediated Labeling and Transplantation of Medial Ganglionic Eminence (MGE) Cells for In Vivo Studies. <b>2015</b> ,	19
1516	Cell types, circuits, and receptive fields in the mouse visual cortex. <b>2015</b> , 38, 413-31	45
1515	Inhibitory Neuron Transplantation into Adult Visual Cortex Creates a New Critical Period that Rescues Impaired Vision. <b>2015</b> , 86, 1055-1066	63
1514	Islet 1 specifies the identity of hypothalamic melanocortin neurons and is critical for normal food intake and adiposity in adulthood. <b>2015</b> , 112, E1861-70	40
1513	Brain-wide analysis of electrophysiological diversity yields novel categorization of mammalian neuron types. <b>2015</b> , 113, 3474-89	47
1512	Shank1 regulates excitatory synaptic transmission in mouse hippocampal parvalbumin-expressing inhibitory interneurons. <b>2015</b> , 41, 1025-35	35
1511	Catchup: a mouse model for imaging-based tracking and modulation of neutrophil granulocytes. <b>2015</b> , 12, 445-52	128
1510	Clock genes control cortical critical period timing. <b>2015</b> , 86, 264-75	68
1509	Cellular clocks in AVP neurons of the SCN are critical for interneuronal coupling regulating circadian behavior rhythm. <b>2015</b> , 85, 1103-16	152
1508	Emergence of hematopoietic stem and progenitor cells involves a Chd1-dependent increase in total nascent transcription. <b>2015</b> , 112, E1734-43	29
1507	Niche-induced cell death and epithelial phagocytosis regulate hair follicle stem cell pool. <b>2015</b> , 522, 94-7	87
1506	The mediodorsal thalamus drives feedforward inhibition in the anterior cingulate cortex via parvalbumin interneurons. <b>2015</b> , 35, 5743-53	123
1505	Lgr5+ cells regenerate hair cells via proliferation and direct transdifferentiation in damaged neonatal mouse utricle. <b>2015</b> , 6, 6613	109
1504	ERBB2 triggers mammalian heart regeneration by promoting cardiomyocyte dedifferentiation and proliferation. <b>2015</b> , 17, 627-38	370

1503	Plasticity of Hopx(+) type I alveolar cells to regenerate type II cells in the lung. <b>2015</b> , 6, 6727		173
1502	Embryonic Nkx2.1-expressing neural precursor cells contribute to the regional heterogeneity of adult V-SVZ neural stem cells. <b>2015</b> , 407, 265-74		27
1501	A direct translaminar inhibitory circuit tunes cortical output. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 1631-40	25.5	72
1500	Combined inhibition of BET family proteins and histone deacetylases as a potential epigenetics-based therapy for pancreatic ductal adenocarcinoma. <b>2015</b> , 21, 1163-71		275
1499	Inhibitory Gating of Input Comparison in the CA1 Microcircuit. <b>2015</b> , 87, 1274-1289		50
1498	Deep imaging of bone marrow shows non-dividing stem cells are mainly perisinusoidal. <b>2015</b> , 526, 126-30		428
1497	Expression of ESR1 in Glutamatergic and GABAergic Neurons Is Essential for Normal Puberty Onset, Estrogen Feedback, and Fertility in Female Mice. <b>2015</b> , 35, 14533-43		57
1496	Hypothalamic PKA regulates leptin sensitivity and adiposity. <b>2015</b> , 6, 8237		31
1495	Distinct recurrent versus afferent dynamics in cortical visual processing. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 1789-97	25.5	117
1494	Cells of a common developmental origin regulate REM/non-REM sleep and wakefulness in mice. <b>2015</b> , 350, 957-61		112
1493	Microprocessor complex subunit DiGeorge syndrome critical region gene 8 (Dgcr8) is required for schwann cell myelination and myelin maintenance. <b>2015</b> , 290, 24294-307		24
1492	Gate control of mechanical itch by a subpopulation of spinal cord interneurons. <b>2015</b> , 350, 550-4		169
1491	Genetically Identified Suppressed-by-Contrast Retinal Ganglion Cells Reliably Signal Self-Generated Visual Stimuli. <b>2015</b> , 35, 10815-20		39
1490	Activity-dependent mismatch between axo-axonic synapses and the axon initial segment controls neuronal output. <b>2015</b> , 112, 9757-62		61
1489	Inducible cell labeling and lineage tracking during fracture repair. <b>2015</b> , 57, 10-23		12
1488	A murine toolbox for imaging the neurovascular unit. <b>2015</b> , 22, 168-82		29
1487	Bone marrow stem cells: current and emerging concepts. <b>2015</b> , 1335, 32-44		63
1486	Disruption of mGluR5 in parvalbumin-positive interneurons induces core features of neurodevelopmental disorders. <b>2015</b> , 20, 1161-72		52

1485	Function and Circuitry of VIP+ Interneurons in the Mouse Retina. <b>2015</b> , 35, 10685-700	41
1484	Perinatal induction of Cre recombination with tamoxifen. <b>2015</b> , 24, 1065-77	25
1483	Single-cell RNA-Seq resolves cellular complexity in sensory organs from the neonatal inner ear. <b>2015</b> , 6, 8557	133
1482	A Dorsal SHH-Dependent Domain in the V-SVZ Produces Large Numbers of Oligodendroglial Lineage Cells in the Postnatal Brain. <b>2015</b> , 5, 461-70	50
1481	Cell-Type-Specific Sensorimotor Processing in Striatal Projection Neurons during Goal-Directed Behavior. <b>2015</b> , 88, 298-305	117
1480	FoxO4 promotes early inflammatory response upon myocardial infarction via endothelial Arg1. <b>2015</b> , 117, 967-77	53
1479	Ablation of the Ferroptosis Inhibitor Glutathione Peroxidase 4 in Neurons Results in Rapid Motor Neuron Degeneration and Paralysis. <b>2015</b> , 290, 28097-28106	213
1478	Adult Neural Stem Cells from the Subventricular Zone Give Rise to Reactive Astrocytes in the Cortex after Stroke. <b>2015</b> , 17, 624-34	158
1477	Smooth muscle cell progenitors are primed to muscularize in pulmonary hypertension. <b>2015</b> , 7, 308ra159	95
1476	Aspm sustains postnatal cerebellar neurogenesis and medulloblastoma growth in mice. <b>2015</b> , 142, 3921-32	44
1475	Mesenchymal Hox6 function is required for mouse pancreatic endocrine cell differentiation. <b>2015</b> , 142, 3859-68	31
1474	Replication stress caused by low MCM expression limits fetal erythropoiesis and hematopoietic stem cell functionality. <b>2015</b> , 6, 8548	64
1473	Connectivity of mouse somatosensory and prefrontal cortex examined with trans-synaptic tracing. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 1687-1697	25.5 102
1472	Basal forebrain circuit for sleep-wake control. <i>Nature Neuroscience</i> , <b>2015</b> , 18, 1641-7	25.5 257
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1462	Hypothalamic UDP Increases in Obesity and Promotes Feeding via P2Y6-Dependent Activation of AgRP Neurons. <b>2015</b> , 162, 1404-17	51
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1442	Deletion of connexin43 in osteoblasts/osteocytes leads to impaired muscle formation in mice. <b>2015</b> , 30, 596-605	59
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1430	A large fraction of neocortical myelin ensheathes axons of local inhibitory neurons. <b>2016</b> , 5,	143
1429	Hipposeq: a comprehensive RNA-seq database of gene expression in hippocampal principal neurons. <b>2016</b> , 5, e14997	210
1428	A Mammalian enhancer trap resource for discovering and manipulating neuronal cell types. <b>2016</b> , 5, e13503	31
1427	Heterogeneity and stochastic growth regulation of biliary epithelial cells dictate dynamic epithelial tissue remodeling. <b>2016</b> , 5,	56
1426	CELF RNA binding proteins promote axon regeneration in <i>C. elegans</i> and mammals through alternative splicing of Syntaxins. <b>2016</b> , 5,	17
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1398	Targeting of Mesenchymal Stromal Cells by Cre-Recombinase Transgenes Commonly Used to Target Osteoblast Lineage Cells. <b>2016</b> , 31, 2001-2007	62
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1348	Wnt Regulates Proliferation and Neurogenic Potential of Müller Glial Cells via a Lin28/let-7 miRNA-Dependent Pathway in Adult Mammalian Retinas. <b>2016</b> , 17, 165-178	81
1347	Reallocation of Olfactory Cajal-Retzius Cells Shapes Neocortex Architecture. <b>2016</b> , 92, 435-448	26
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1342	Subpallial Enhancer Transgenic Lines: a Data and Tool Resource to Study Transcriptional Regulation of GABAergic Cell Fate. <b>2016</b> , 92, 59-74	46

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1340	A RET-ER81-NRG1 Signaling Pathway Drives the Development of Pacinian Corpuscles. <b>2016</b> , 36, 10337-10355	20
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1328	In vivo imaging reveals rapid astrocyte depletion and axon damage in a model of neuromyelitis optica-related pathology. <b>2016</b> , 79, 794-805	26
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1326	The development of the mammalian outer and middle ear. <b>2016</b> , 228, 217-32	70
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1324	Hematopoietic Stem Cells Are the Major Source of Multilineage Hematopoiesis in Adult Animals. <b>2016</b> , 45, 597-609	214

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1298	CD8 T cell-mediated killing of orexinergic neurons induces a narcolepsy-like phenotype in mice. <b>2016</b> , 113, 10956-61	79
1297	Critical requirement of VEGF-C in transition to fetal erythropoiesis. <b>2016</b> , 128, 710-20	21
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1291	An interdigit signalling centre instructs coordinate phalanx-joint formation governed by 5'Hoxd-Gli3 antagonism. <b>2016</b> , 7, 12903	35
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1284	Early pancreatic islet fate and maturation is controlled through RBP-J $\delta$ <b>2016</b> , 6, 26874	4
1283	Epidermal Ectenin activation remodels the dermis via paracrine signalling to distinct fibroblast lineages. <b>2016</b> , 7, 10537	70
1282	Midbrain Gene Screening Identifies a New Mesoaccumbal Glutamatergic Pathway and a Marker for Dopamine Cells Neuroprotected in Parkinson's Disease. <b>2016</b> , 6, 35203	27
1281	Tracking the fate of antigen-specific versus cytokine-activated natural killer cells after cytomegalovirus infection. <b>2016</b> , 213, 2745-2758	48
1280	Beyond the brain: Optogenetic control in the spinal cord and peripheral nervous system. <b>2016</b> , 8, 337rv5	106
1279	Shared and distinct retinal input to the mouse superior colliculus and dorsal lateral geniculate nucleus. <b>2016</b> , 116, 602-10	85
1278	Capturing and Manipulating Activated Neuronal Ensembles with CANE Delineates a Hypothalamic Social-Fear Circuit. <b>2016</b> , 92, 739-753	82
1277	Ras signaling regulates osteoprogenitor cell proliferation and bone formation. <b>2016</b> , 7, e2405	15
1276	Transplanted embryonic neurons integrate into adult neocortical circuits. <b>2016</b> , 539, 248-253	99
1275	FoxO1 in dopaminergic neurons regulates energy homeostasis and targets tyrosine hydroxylase. <b>2016</b> , 7, 12733	25
1274	Fibroproliferative response to urothelial failure obliterates the ureter lumen in a mouse model of prenatal congenital obstructive nephropathy. <b>2016</b> , 6, 31137	2
1273	A disynaptic feedback network activated by experience promotes the integration of new granule cells. <b>2016</b> , 354, 459-465	79
1272	Estradiol Synthesis in Gut-Associated Lymphoid Tissue: Leukocyte Regulation by a Sexually Monomorphic System. <b>2016</b> , 157, 4579-4587	8
1271	Branch-Specific Microtubule Destabilization Mediates Axon Branch Loss during Neuromuscular Synapse Elimination. <b>2016</b> , 92, 845-856	63
1270	Parathyroid hormone receptor signalling in osterix-expressing mesenchymal progenitors is essential for tooth root formation. <b>2016</b> , 7, 11277	65

1269	Genetically Targeted All-Optical Electrophysiology with a Transgenic Cre-Dependent Optopatch Mouse. <b>2016</b> , 36, 11059-11073	61
1268	Lgr6 labels a rare population of mammary gland progenitor cells that are able to originate luminal mammary tumours. <b>2016</b> , 18, 1346-1356	49
1267	Canonical Notch signaling plays an instructive role in auditory supporting cell development. <b>2016</b> , 6, 19484	20
1266	Identification of proliferative progenitors associated with prominent postnatal growth of the pons. <b>2016</b> , 7, 11628	21
1265	Regulation of embryonic neurogenesis by germinal zone vasculature. <b>2016</b> , 113, 13414-13419	24
1264	Control of inflammation by stromal Hedgehog pathway activation restrains colitis. <b>2016</b> , 113, E7545-E7553	47
1263	Coronary vasculature patterning requires a novel endothelial ErbB2 holoreceptor. <b>2016</b> , 7, 12038	29
1262	Retinal transplantation of photoreceptors results in donor-host cytoplasmic exchange. <b>2016</b> , 7, 13028	158
1261	Adult-Onset Deletion of $\beta$ -Catenin in (10kb)Dmp1-Expressing Cells Prevents Intermittent PTH-Induced Bone Gain. <b>2016</b> , 157, 3047-57	17
1260	In Situ Transcription Profiling of Single Cells Reveals Spatial Organization of Cells in the Mouse Hippocampus. <b>2016</b> , 92, 342-357	351
1259	VACHT overexpression increases acetylcholine at the synaptic cleft and accelerates aging of neuromuscular junctions. <b>2016</b> , 6, 31	36
1258	Gata2 and Gata3 regulate the differentiation of serotonergic and glutamatergic neuron subtypes of the dorsal raphe. <b>2016</b> , 143, 4495-4508	17
1257	Big Science, Team Science, and Open Science for Neuroscience. <b>2016</b> , 92, 612-616	32
1256	Bcl-2 is a critical mediator of intestinal transformation. <b>2016</b> , 7, 10916	38
1255	Knockin of Cre Gene at Ins2 Locus Reveals No Cre Activity in Mouse Hypothalamic Neurons. <b>2016</b> , 6, 20438	10
1254	Sororin actively maintains sister chromatid cohesion. <b>2016</b> , 35, 635-53	54
1253	Genome wide conditional mouse knockout resources. <b>2016</b> , 20, 3-12	3
1252	Classifying neuronal subclasses of the cerebellum through constellation pharmacology. <b>2016</b> , 115, 1031-42	7

1251	Akirin2 is essential for the formation of the cerebral cortex. <b>2016</b> , 11, 21	12
1250	Spotlight on pain: optogenetic approaches for interrogating somatosensory circuits. <b>2016</b> , 157, 2424-2433	27
1249	Autism-relevant behaviors are minimally impacted by conditional deletion of Pten in oxytocinergic neurons. <b>2016</b> , 9, 1248-1262	12
1248	Parathyroid Hormone-Related Protein Interacts With the Transforming Growth Factor- $\beta$ /Bone Morphogenetic Protein-2/Gremlin Signaling Pathway to Regulate Proinflammatory and Profibrotic Mediators in Pancreatic Acinar and Stellate Cells. <b>2016</b> , 45, 659-70	11
1247	Activation of PI3K signaling prevents aminoglycoside-induced hair cell death in the murine cochlea. <b>2016</b> , 5, 698-708	18
1246	Sodium channel diversity in the vestibular ganglion: NaV1.5, NaV1.8, and tetrodotoxin-sensitive currents. <b>2016</b> , 115, 2536-55	16
1245	X-linked intellectual disability gene CASK regulates postnatal brain growth in a non-cell autonomous manner. <b>2016</b> , 4, 30	21
1244	Leptin receptor-positive and leptin receptor-negative proopiomelanocortin neurons innervate an identical set of brain structures. <b>2016</b> , 1646, 366-376	15
1243	Smooth muscle actin is an inconsistent marker of fibroblasts responsible for force-dependent TGF $\beta$ activation or collagen production across multiple models of organ fibrosis. <b>2016</b> , 310, L824-36	95
1242	Genetic tools for identifying and manipulating fibroblasts in the mouse. <b>2016</b> , 92, 66-83	43
1241	The Action of Discoidin Domain Receptor 2 in Basal Tumor Cells and Stromal Cancer-Associated Fibroblasts Is Critical for Breast Cancer Metastasis. <b>2016</b> , 15, 2510-23	64
1240	Leptin receptor null mice with reexpression of LepR in GnRHR expressing cells display elevated FSH levels but remain in a prepubertal state. <b>2016</b> , 310, R1258-66	13
1239	High-resolution and cell-type-specific photostimulation mapping shows weak excitatory vs. strong inhibitory inputs in the bed nucleus of the stria terminalis. <b>2016</b> , 115, 3204-16	7
1238	Cell-Type-Specific Modulation of Sensory Responses in Olfactory Bulb Circuits by Serotonergic Projections from the Raphe Nuclei. <b>2016</b> , 36, 6820-35	45
1237	Differential patterns of histone methylase EHMT2 and its catalyzed histone modifications H3K9me1 and H3K9me2 during maturation of central auditory system. <b>2016</b> , 365, 247-64	11
1236	Evidence for an Age-Dependent Decline in Axon Regeneration in the Adult Mammalian Central Nervous System. <b>2016</b> , 15, 238-46	79
1235	Target-Specific Glycinergic Transmission from VGlut3-Expressing Amacrine Cells Shapes Suppressive Contrast Responses in the Retina. <b>2016</b> , 15, 1369-1375	43
1234	Melanocortin-3 receptors in the limbic system mediate feeding-related motivational responses during weight loss. <b>2016</b> , 5, 566-579	17

1233	Nephron Progenitor But Not Stromal Progenitor Cells Give Rise to Wilms Tumors in Mouse Models with $\beta$ Catenin Activation or Wt1 Ablation and Igf2 Upregulation. <b>2016</b> , 18, 71-81	18
1232	Parvalbumin-Expressing GABAergic Neurons in Mouse Barrel Cortex Contribute to Gating a Goal-Directed Sensorimotor Transformation. <b>2016</b> , 15, 700-706	52
1231	In Vivo Hepatic Reprogramming of Myofibroblasts with AAV Vectors as a Therapeutic Strategy for Liver Fibrosis. <b>2016</b> , 18, 809-816	74
1230	Twist1 Integrates Endothelial Responses to Flow in Vascular Dysfunction and Atherosclerosis. <b>2016</b> , 119, 450-62	71
1229	Ctip1 Regulates the Balance between Specification of Distinct Projection Neuron Subtypes in Deep Cortical Layers. <b>2016</b> , 15, 999-1012	40
1228	Visualizing estrogen receptor- $\beta$ -expressing neurons using a new ER $\beta$ zGreen reporter mouse line. <b>2016</b> , 65, 522-32	17
1227	Epicardium is required for cardiac seeding by yolk sac macrophages, precursors of resident macrophages of the adult heart. <b>2016</b> , 413, 153-159	35
1226	Central Amygdala Somatostatin Neurons Gate Passive and Active Defensive Behaviors. <b>2016</b> , 36, 6488-96	82
1225	Zeb2 is essential for Schwann cell differentiation, myelination and nerve repair. <i>Nature Neuroscience</i> , <b>2016</b> , 19, 1050-1059	25.5 91
1224	The novel enterochromaffin marker Lmx1a regulates serotonin biosynthesis in enteroendocrine cell lineages downstream of Nkx2.2. <b>2016</b> , 143, 2616-28	22
1223	Quantitative lineage tracing strategies to resolve multipotency in tissue-specific stem cells. <b>2016</b> , 30, 1261-77	109
1222	Stem cell function and stress response are controlled by protein synthesis. <b>2016</b> , 534, 335-40	225
1221	NMDA Receptors on Dopaminergic Neurons Are Essential for Drug-Induced Conditioned Place Preference. <b>2016</b> , 3,	14
1220	Mosaic analysis of cell rearrangements during ureteric bud branching in dissociated/reaggregated kidney cultures and in vivo. <b>2016</b> , 245, 483-96	12
1219	Cataclysmic specificity when targeting myeloid cells?. <b>2016</b> , 46, 1340-2	13
1218	Heterogeneity of Radial Glia-Like Cells in the Adult Hippocampus. <b>2016</b> , 34, 997-1010	79
1217	Cap mesenchyme cell swarming during kidney development is influenced by attraction, repulsion, and adhesion to the ureteric tip. <b>2016</b> , 418, 297-306	45
1216	Dynamic Modulation of Myelination in Response to Visual Stimuli Alters Optic Nerve Conduction Velocity. <b>2016</b> , 36, 6937-48	114

1215	Synaptic Organization of the Neuronal Circuits of the Claustrum. <b>2016</b> , 36, 773-84	49
1214	Obesity Weighs down Memory through a Mechanism Involving the Neuroepigenetic Dysregulation of Sirt1. <b>2016</b> , 36, 1324-35	55
1213	Abortively Infected Astrocytes Appear To Represent the Main Source of Interferon Beta in the Virus-Infected Brain. <b>2016</b> , 90, 2031-8	51
1212	Chronic imaging of movement-related Purkinje cell calcium activity in awake behaving mice. <b>2016</b> , 115, 413-22	14
1211	Generation of highly enriched V2a interneurons from mouse embryonic stem cells. <b>2016</b> , 277, 305-316	23
1210	The First Alcohol Drink Triggers mTORC1-Dependent Synaptic Plasticity in Nucleus Accumbens Dopamine D1 Receptor Neurons. <b>2016</b> , 36, 701-13	61
1209	Genetic lineage tracing discloses arteriogenesis as the main mechanism for collateral growth in the mouse heart. <b>2016</b> , 109, 419-30	29
1208	Compartmentalized Epidermal Activation of $\beta$ Catenin Differentially Affects Lineage Reprogramming and Underlies Tumor Heterogeneity. <b>2016</b> , 14, 269-81	39
1207	Genetic lineage tracing identifies in situ Kit-expressing cardiomyocytes. <b>2016</b> , 26, 119-30	104
1206	Revisiting Cardiac Cellular Composition. <b>2016</b> , 118, 400-9	677
1205	Studying extracellular vesicle transfer by a Cre-loxP method. <b>2016</b> , 11, 87-101	53
1204	Ectopic transgene expression in the retina of four transgenic mouse lines. <b>2016</b> , 221, 3729-41	5
1203	Origins of choice-related activity in mouse somatosensory cortex. <i>Nature Neuroscience</i> , <b>2016</b> , 19, 127-3425,5	102
1202	Forebrain-specific loss of synaptic GABAA receptors results in altered neuronal excitability and synaptic plasticity in mice. <b>2016</b> , 72, 101-13	11
1201	Club cells surviving influenza A virus infection induce temporary nonspecific antiviral immunity. <b>2016</b> , 113, 3861-6	32
1200	The Regulation of Corticofugal Fiber Targeting by Retinal Inputs. <b>2016</b> , 26, 1336-1348	41
1199	Generation of iPSC from cardiac and tail-tip fibroblasts derived from a second heart field reporter mouse. <b>2016</b> , 16, 617-21	2
1198	Primitive Embryonic Macrophages are Required for Coronary Development and Maturation. <b>2016</b> , 118, 1498-511	130

1197	AgRP Neurons Control Systemic Insulin Sensitivity via Myostatin Expression in Brown Adipose Tissue. <b>2016</b> , 165, 125-138	153
1196	Vascular Influence on Ventral Telencephalic Progenitors and Neocortical Interneuron Production. <b>2016</b> , 36, 624-38	50
1195	Leptin Receptor Promotes Adipogenesis and Reduces Osteogenesis by Regulating Mesenchymal Stromal Cells in Adult Bone Marrow. <b>2016</b> , 18, 782-796	233
1194	Development of early-born $\gamma$ -Aminobutyric acid hub neurons in mouse hippocampus from embryogenesis to adulthood. <b>2016</b> , 524, 2440-61	17
1193	Generation of an estrogen receptor beta-iCre knock-in mouse. <b>2016</b> , 54, 38-52	14
1192	Stress increases GABAergic neurotransmission in CRF neurons of the central amygdala and bed nucleus stria terminalis. <b>2016</b> , 107, 239-250	43
1191	Genetic lineage tracing identifies endocardial origin of liver vasculature. <b>2016</b> , 48, 537-43	65
1190	Dermal sheath cells contribute to postnatal hair follicle growth and cycling. <b>2016</b> , 82, 129-31	7
1189	Targeted axonal import (TAXI) peptide delivers functional proteins into spinal cord motor neurons after peripheral administration. <b>2016</b> , 113, 2514-9	21
1188	Neurons diversify astrocytes in the adult brain through sonic hedgehog signaling. <b>2016</b> , 351, 849-54	155
1187	Visualizing antibody affinity maturation in germinal centers. <b>2016</b> , 351, 1048-54	243
1186	Distinct Firing Properties of Vasoactive Intestinal Peptide-Expressing Neurons in the Suprachiasmatic Nucleus. <b>2016</b> , 31, 57-67	21
1185	The late and dual origin of cerebrospinal fluid-contacting neurons in the mouse spinal cord. <b>2016</b> , 143, 880-91	42
1184	Whole-body and Whole-Organ Clearing and Imaging Techniques with Single-Cell Resolution: Toward Organism-Level Systems Biology in Mammals. <b>2016</b> , 23, 137-157	201
1183	Replacement of Lost Lgr5-Positive Stem Cells through Plasticity of Their Enterocyte-Lineage Daughters. <b>2016</b> , 18, 203-13	332
1182	Stem cells of the suture mesenchyme in craniofacial bone development, repair and regeneration. <b>2016</b> , 7, 10526	119
1181	E2f4 and E2f5 are essential for the development of the male reproductive system. <b>2016</b> , 15, 250-60	30
1180	Persistent adaptation by chronic alcohol is facilitated by neuroimmune activation linked to stress and CRF. <b>2016</b> , 52, 9-23	14

1179	New inducible genetic method reveals critical roles of GABA in the control of feeding and metabolism. <b>2016</b> , 113, 3645-50	38
1178	Selective Manipulation of Neural Circuits. <b>2016</b> , 13, 311-24	19
1177	Autonomous Extracellular Matrix Remodeling Controls a Progressive Adaptation in Muscle Stem Cell Regenerative Capacity during Development. <b>2016</b> , 14, 1940-52	64
1176	Increased stereotypy in conditional Cxcr4 knockout mice. <b>2016</b> , 105, 75-9	11
1175	OSKM Induce Extraembryonic Endoderm Stem Cells in Parallel to Induced Pluripotent Stem Cells. <b>2016</b> , 6, 447-455	36
1174	Experimental studies of bone mechanoadaptation: bridging in vitro and in vivo studies with multiscale systems. <b>2016</b> , 6, 20150071	14
1173	Systemic injection of AAV9 carrying a periostin promoter targets gene expression to a myofibroblast-like lineage in mouse hearts after reperfused myocardial infarction. <b>2016</b> , 23, 469-78	23
1172	Smooth muscle origin of postnatal 2nd CVP is pre-determined in early embryo. <b>2016</b> , 471, 430-6	6
1171	Noninvasive in vivo imaging of embryonic Ecell development in the anterior chamber of the eye. <b>2016</b> , 8, 35-47	3
1170	Sensory experience regulates cortical inhibition by inducing IGF1 in VIP neurons. <b>2016</b> , 531, 371-5	98
1169	Distinct Contribution of Adult-Born Hippocampal Granule Cells to Context Encoding. <b>2016</b> , 90, 101-12	201
1168	Euglycemia Restoration by Central Leptin in Type 1 Diabetes Requires STAT3 Signaling but Not Fast-Acting Neurotransmitter Release. <b>2016</b> , 65, 1040-9	17
1167	In vivo gene editing in dystrophic mouse muscle and muscle stem cells. <b>2016</b> , 351, 407-411	711
1166	Lymphatic endothelial lineage assemblage during corneal lymphangiogenesis. <b>2016</b> , 96, 270-82	11
1165	Thalamus provides layer 4 of primary visual cortex with orientation- and direction-tuned inputs. <i>Nature Neuroscience</i> , <b>2016</b> , 19, 308-15	25.5 154
1164	Laminar differences in the orientation selectivity of geniculate afferents in mouse primary visual cortex. <i>Nature Neuroscience</i> , <b>2016</b> , 19, 316-9	25.5 55
1163	The K <sup>+</sup> channel KIR2.1 functions in tandem with proton influx to mediate sour taste transduction. <b>2016</b> , 113, E229-38	85
1162	Adult mouse cortical cell taxonomy revealed by single cell transcriptomics. <i>Nature Neuroscience</i> , <b>2016</b> , 19, 335-46	25.5 1007

1161	Prss56, a novel marker of adult neurogenesis in the mouse brain. <b>2016</b> , 221, 4411-4427	26
1160	An Emerging Technology Framework for the Neurobiology of Appetite. <b>2016</b> , 23, 234-53	37
1159	Intraislet Pancreatic Ducts Can Give Rise to Insulin-Positive Cells. <b>2016</b> , 157, 166-75	30
1158	Pluripotent stem cells induced from mouse neural stem cells and small intestinal epithelial cells by small molecule compounds. <b>2016</b> , 26, 34-45	45
1157	Gating of hippocampal activity, plasticity, and memory by entorhinal cortex long-range inhibition. <b>2016</b> , 351, aaa5694	139
1156	G Protein-Gated K Channel Ablation in Forebrain Pyramidal Neurons Selectively Impairs Fear Learning. <b>2016</b> , 80, 796-806	23
1155	Hemovascular Progenitors in the Kidney Require Sphingosine-1-Phosphate Receptor 1 for Vascular Development. <b>2016</b> , 27, 1984-95	29
1154	Kras(G12D) induces EGFR-MYC cross signaling in murine primary pancreatic ductal epithelial cells. <b>2016</b> , 35, 3880-6	30
1153	Notch signaling in postnatal joint chondrocytes, but not subchondral osteoblasts, is required for articular cartilage and joint maintenance. <b>2016</b> , 24, 740-51	21
1152	Transgenic labeling of parvalbumin-expressing neurons with tdTomato. <b>2016</b> , 321, 236-245	22
1151	Apolipoprotein A-IV Inhibits AgRP/NPY Neurons and Activates Pro-Opiomelanocortin Neurons in the Arcuate Nucleus. <b>2016</b> , 103, 476-488	15
1150	Contribution of Fetal, but Not Adult, Pulmonary Mesothelium to Mesenchymal Lineages in Lung Homeostasis and Fibrosis. <b>2016</b> , 54, 222-30	21
1149	Erythropoietin Synthesis in Renal Myofibroblasts Is Restored by Activation of Hypoxia Signaling. <b>2016</b> , 27, 428-38	100
1148	Bmi1 Regulates the Proliferation of Cochlear Supporting Cells Via the Canonical Wnt Signaling Pathway. <b>2017</b> , 54, 1326-1339	58
1147	Cc2d1a Loss of Function Disrupts Functional and Morphological Development in Forebrain Neurons Leading to Cognitive and Social Deficits. <b>2017</b> , 27, 1670-1685	22
1146	Mapping synaptic cortico-claustral connectivity in the mouse. <b>2017</b> , 525, 1381-1402	33
1145	Cellular architecture and transmitter phenotypes of neurons of the mouse median raphe region. <b>2017</b> , 222, 287-299	32
1144	Intrinsic Astrocyte Heterogeneity Influences Tumor Growth in Glioma Mouse Models. <b>2017</b> , 27, 36-50	23



1143	Distinct Synaptic Strengthening of the Striatal Direct and Indirect Pathways Drives Alcohol Consumption. <b>2017</b> , 81, 918-929	72
1142	Cartilage to bone transformation during fracture healing is coordinated by the invading vasculature and induction of the core pluripotency genes. <b>2017</b> , 144, 221-234	119
1141	JunB regulates angiogenesis and neurovascular parallel alignment in mouse embryonic skin. <b>2017</b> , 130, 916-926	14
1140	Conditional deletion of pejavakin in adult outer hair cells causes progressive hearing loss in mice. <b>2017</b> , 344, 380-393	11
1139	Ependymal cell contribution to scar formation after spinal cord injury is minimal, local and dependent on direct ependymal injury. <b>2017</b> , 7, 41122	59
1138	Divergence and inheritance of neocortical heterotopia in inbred and genetically-engineered mice. <b>2017</b> , 638, 175-180	2
1137	Complex Visual Motion Representation in Mouse Area V1. <b>2017</b> , 37, 164-183	29
1136	The NOTCH Ligand JAG1 Regulates GDNF Expression in Sertoli Cells. <b>2017</b> , 26, 585-598	36
1135	Bi- and unciliated ependymal cells define continuous floor-plate-derived tanycytic territories. <b>2017</b> , 8, 13759	47
1134	Activation of TNF- $\alpha$ and co-inhibitory signals in coordination with Th1-type immunity in a mouse model recapitulating hepatitis B. <b>2017</b> , 139, 138-145	4
1133	Hypothalamic CRFR1 is essential for HPA axis regulation following chronic stress. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 385-388	25.5 46
1132	Neuregulin 3 Mediates Cortical Plate Invasion and Laminar Allocation of GABAergic Interneurons. <b>2017</b> , 18, 1157-1170	34
1131	Gamma oscillations organize top-down signalling to hypothalamus and enable food seeking. <b>2017</b> , 542, 232-236	68
1130	Pericytes of Multiple Organs Do Not Behave as Mesenchymal Stem Cells In Vivo. <b>2017</b> , 20, 345-359.e5	309
1129	Temporally Distinct Six2-Positive Second Heart Field Progenitors Regulate Mammalian Heart Development and Disease. <b>2017</b> , 18, 1019-1032	38
1128	Parathyroid Hormone Directs Bone Marrow Mesenchymal Cell Fate. <b>2017</b> , 25, 661-672	208
1127	A Brainstem-Spinal Cord Inhibitory Circuit for Mechanical Pain Modulation by GABA and Enkephalins. <b>2017</b> , 93, 822-839.e6	152
1126	GFR $\alpha$ Regulates Purkinje Cell Migration by Counteracting NCAM Function. <b>2017</b> , 18, 367-379	22

1125	β1 integrin signaling promotes neuronal migration along vascular scaffolds in the post-stroke brain. <b>2017</b> , 16, 195-203	47
1124	Axonal ribosomes and mRNAs associate with fragile X granules in adult rodent and human brains. <b>2017</b> , 26, 192-209	35
1123	Activation of Parvalbumin-Positive Neurons in Both Retina and Primary Visual Cortex Improves the Feature-Selectivity of Primary Visual Cortex Neurons. <b>2017</b> , 33, 255-263	10
1122	Transient Opening of the Mitochondrial Permeability Transition Pore Induces Microdomain Calcium Transients in Astrocyte Processes. <b>2017</b> , 93, 587-605.e7	220
1121	Dissecting cell-type-specific roles of androgen receptor in prostate homeostasis and regeneration through lineage tracing. <b>2017</b> , 8, 14284	31
1120	Gs-DREADD Knock-In Mice for Tissue-Specific, Temporal Stimulation of Cyclic AMP Signaling. <b>2017</b> , 37,	20
1119	Clonal Expansion of Lgr5-Positive Cells from Mammalian Cochlea and High-Purity Generation of Sensory Hair Cells. <b>2017</b> , 18, 1917-1929	103
1118	Pharmacologic Blockade of v1 Integrin Ameliorates Renal Failure and Fibrosis. <b>2017</b> , 28, 1998-2005	39
1117	Gfi1 mice have early onset progressive hearing loss and induce recombination in numerous inner ear non-hair cells. <b>2017</b> , 7, 42079	29
1116	Transforming growth factor-β plays divergent roles in modulating vascular remodeling, inflammation, and pulmonary fibrosis in a murine model of scleroderma. <b>2017</b> , 312, L22-L31	20
1115	MicroRNA-independent functions of DGCR8 are essential for neocortical development and TBR1 expression. <b>2017</b> , 18, 603-618	32
1114	Diverse Central Projection Patterns of Retinal Ganglion Cells. <b>2017</b> , 18, 2058-2072	111
1113	Compulsive Social Behavior Emerges after Selective Ablation of Striatal Cholinergic Interneurons. <b>2017</b> , 37, 2849-2858	26
1112	Ablation of ferroptosis regulator glutathione peroxidase 4 in forebrain neurons promotes cognitive impairment and neurodegeneration. <b>2017</b> , 12, 8-17	304
1111	Pejvakín, a Candidate Stereociliary Rootlet Protein, Regulates Hair Cell Function in a Cell-Autonomous Manner. <b>2017</b> , 37, 3447-3464	21
1110	Tcf7l2 plays crucial roles in forebrain development through regulation of thalamic and habenular neuron identity and connectivity. <b>2017</b> , 424, 62-76	16
1109	Fasting-Mimicking Diet Promotes Ngn3-Driven β-Cell Regeneration to Reverse Diabetes. <b>2017</b> , 168, 775-788.e12174	174
1108	Notch1 and Notch2 receptors regulate mouse and human gastric antral epithelial cell homeostasis. <b>2017</b> , 66, 1001-1011	37

1107	Tissue-scale coordination of cellular behaviour promotes epidermal wound repair in live mice. <b>2017</b> , 19, 155-163	106
1106	Prenatal thalamic waves regulate cortical area size prior to sensory processing. <b>2017</b> , 8, 14172	82
1105	A novel floor plate boundary defined by adjacent En1 and Dbx1 microdomains distinguishes midbrain dopamine and hypothalamic neurons. <b>2017</b> , 144, 916-927	21
1104	Elf5 is a principal cell lineage specific transcription factor in the kidney that contributes to Aqp2 and Avpr2 gene expression. <b>2017</b> , 424, 77-89	23
1103	A distinct entorhinal cortex to hippocampal CA1 direct circuit for olfactory associative learning. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 559-570	25.5 86
1102	Neonatal removal impairs neocortical development and leads to elevated anxiety. <b>2017</b> , 114, 3228-3233	12
1101	Slc1a3-CreER as a Targeting Tool for the K6+ Epithelial Stem Cell Niche and its Precursors during Mouse Hair Follicle Cycle. <b>2017</b> , 137, 1569-1571	4
1100	Unintended targeting of reveals a critical role for Bmpr1a signaling in the gastrointestinal mesenchyme of adult mice. <b>2017</b> , 5, 16049	41
1099	Efficient genome editing in the mouse brain by local delivery of engineered Cas9 ribonucleoprotein complexes. <b>2017</b> , 35, 431-434	191
1098	Foxa2 identifies a cardiac progenitor population with ventricular differentiation potential. <b>2017</b> , 8, 14428	43
1097	Ex vivo analysis of the contribution of FGF10 cells to airway smooth muscle cell formation during early lung development. <b>2017</b> , 246, 531-538	16
1096	Postnatal Calvarial Skeletal Stem Cells Expressing PRX1 Reside Exclusively in the Calvarial Sutures and Are Required for Bone Regeneration. <b>2017</b> , 8, 933-946	61
1095	Abnormal wiring of CCK basket cells disrupts spatial information coding. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 784-792	25.5 40
1094	Sonic Hedgehog Signaling Regulates Myofibroblast Function during Alveolar Septum Formation in Murine Postnatal Lung. <b>2017</b> , 57, 280-293	31
1093	Orexin-driven GAD65 network of the lateral hypothalamus sets physical activity in mice. <b>2017</b> , 114, 4525-4530	46
1092	Kidney Development and Disease. <b>2017</b> ,	1
1091	Engineered Exosomes as Vehicles for Biologically Active Proteins. <b>2017</b> , 25, 1269-1278	156
1090	Satb2 Ablation Impairs Hippocampus-Based Long-Term Spatial Memory and Short-Term Working Memory and Immediate Early Genes (IEGs)-Mediated Hippocampal Synaptic Plasticity. <b>2017</b> , 1	15

1089	Rapid Molecular Profiling of Defined Cell Types Using Viral TRAP. <b>2017</b> , 19, 655-667	39
1088	Active Touch and Self-Motion Encoding by Merkel Cell-Associated Afferents. <b>2017</b> , 94, 666-676.e9	47
1087	Different requirements of functional telomeres in neural stem cells and terminally differentiated neurons. <b>2017</b> , 31, 639-647	15
1086	CRISPR-Cas9-mediated genome editing in one blastomere of two-cell embryos reveals a novel Tet3 function in regulating neocortical development. <b>2017</b> , 27, 815-829	23
1085	Lamin B1 is required for mature neuron-specific gene expression during olfactory sensory neuron differentiation. <b>2017</b> , 8, 15098	16
1084	A computational systems approach identifies synergistic specification genes that facilitate lineage conversion to prostate tissue. <b>2017</b> , 8, 14662	19
1083	Identification of subepithelial mesenchymal cells that induce IgA and diversify gut microbiota. <b>2017</b> , 18, 675-682	87
1082	Identification of spinal circuits involved in touch-evoked dynamic mechanical pain. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 804-814	25.5 89
1081	Development and Diseases of the Collecting Duct System. <b>2017</b> , 60, 165-203	4
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1079	Assembly of Excitatory Synapses in the Absence of Glutamatergic Neurotransmission. <b>2017</b> , 94, 312-321.e3	60
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1077	Wounding induces dedifferentiation of epidermal Gata6 cells and acquisition of stem cell properties. <b>2017</b> , 19, 603-613	87
1076	A fluoro-Nissl dye identifies pericytes as distinct vascular mural cells during in vivo brain imaging. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 1023-1032	25.5 55
1075	Phosphodiesterase-1b deletion confers depression-like behavioral resistance separate from stress-related effects in mice. <b>2017</b> , 16, 756-767	5
1074	Developmental Disruption of Recurrent Inhibitory Feedback Results in Compensatory Adaptation in the Renshaw Cell-Motor Neuron Circuit. <b>2017</b> , 37, 5634-5647	16
1073	Leptin-receptor-expressing bone marrow stromal cells are myofibroblasts in primary myelofibrosis. <b>2017</b> , 19, 677-688	84
1072	Cell-specific pallidal intervention induces long-lasting motor recovery in dopamine-depleted mice. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 815-823	25.5 71

1071	Endothelial TLR4 and the microbiome drive cerebral cavernous malformations. <b>2017</b> , 545, 305-310	166
1070	Intratumoural heterogeneity generated by Notch signalling promotes small-cell lung cancer. <b>2017</b> , 545, 360-364	193
1069	A Wnt-producing niche drives proliferative potential and progression in lung adenocarcinoma. <b>2017</b> , 545, 355-359	190
1068	Surround Integration Organizes a Spatial Map during Active Sensation. <b>2017</b> , 94, 1220-1233.e5	20
1067	In vivo genome editing and organoid transplantation models of colorectal cancer and metastasis. <b>2017</b> , 35, 569-576	168
1066	Brown-adipose-tissue macrophages control tissue innervation and homeostatic energy expenditure. <b>2017</b> , 18, 665-674	137
1065	Homeostatic Plasticity Shapes Cell-Type-Specific Wiring in the Retina. <b>2017</b> , 94, 656-665.e4	31
1064	The DNA Methyltransferase 1 (DNMT1) Controls the Shape and Dynamics of Migrating POA-Derived Interneurons Fated for the Murine Cerebral Cortex. <b>2017</b> , 27, 5696-5714	32
1063	Targeted two-photon chemical apoptotic ablation of defined cell types in vivo. <b>2017</b> , 8, 15837	22
1062	Notch1 deficiency in postnatal neural progenitor cells in the dentate gyrus leads to emotional and cognitive impairment. <b>2017</b> , 31, 4347-4358	6
1061	Bone Lining Cells: Normal Physiology and Role in Response to Anabolic Osteoporosis Treatments. <b>2017</b> , 3, 79-84	6
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1059	NEUROD1 Instructs Neuronal Conversion in Non-Reactive Astrocytes. <b>2017</b> , 8, 1506-1515	59
1058	Identification of preoptic sleep neurons using retrograde labelling and gene profiling. <b>2017</b> , 545, 477-481	163
1057	Joint morphogenetic cells in the adult mammalian synovium. <b>2017</b> , 8, 15040	98
1056	Spatiotemporal expression of UPK3B and its promoter activity during embryogenesis and spermatogenesis. <b>2017</b> , 147, 17-26	5
1055	Lineage-dependent spatial and functional organization of the mammalian enteric nervous system. <b>2017</b> , 356, 722-726	88
1054	Acute oligodendrocyte loss with persistent white matter injury in a third trimester equivalent mouse model of fetal alcohol spectrum disorder. <b>2017</b> , 65, 1317-1332	29

1053	A Critical Role of Presynaptic Cadherin/Catenin/p140Cap Complexes in Stabilizing Spines and Functional Synapses in the Neocortex. <b>2017</b> , 94, 1155-1172.e8	22
1052	Sox11 Expression Promotes Regeneration of Some Retinal Ganglion Cell Types but Kills Others. <b>2017</b> , 94, 1112-1120.e4	88
1051	Direct Reprogramming of Fibroblasts via a Chemically Induced XEN-like State. <b>2017</b> , 21, 264-273.e7	55
1050	Synergistic Signaling by Light and Acetylcholine in Mouse Iris Sphincter Muscle. <b>2017</b> , 27, 1791-1800.e5	17
1049	BMP signaling orchestrates a transcriptional network to control the fate of mesenchymal stem cells in mice. <b>2017</b> , 144, 2560-2569	35
1048	Visuomotor Coupling Shapes the Functional Development of Mouse Visual Cortex. <b>2017</b> , 169, 1291-1302.e14	74
1047	Schizophrenia-Related Microdeletion Impairs Emotional Memory through MicroRNA-Dependent Disruption of Thalamic Inputs to the Amygdala. <b>2017</b> , 19, 1532-1544	9
1046	A quantitative and multiplexed approach to uncover the fitness landscape of tumor suppression in vivo. <b>2017</b> , 14, 737-742	62
1045	Fgf10 and Sox9 are essential for the establishment of distal progenitor cells during mouse salivary gland development. <b>2017</b> , 144, 2294-2305	51
1044	Inhibitory Control of Feature Selectivity in an Object Motion Sensitive Circuit of the Retina. <b>2017</b> , 19, 1343-1350	21
1043	ETV1-Positive Cells Give Rise to -Mutant Gastrointestinal Stromal Tumors. <b>2017</b> , 77, 3758-3765	8
1042	Dicer and microRNAs protect adult dopamine neurons. <b>2017</b> , 8, e2813	54
1041	Endothelial marker-expressing stromal cells are critical for kidney formation. <b>2017</b> , 313, F611-F620	13
1040	Uncovering Key Neurons for Manipulation in Mammals. 18-36	
1039	Sex-Dependent, Osteoblast Stage-Specific Effects of Progesterone Receptor on Bone Acquisition. <b>2017</b> , 32, 1841-1852	9
1038	Genetic strategies to access activated neurons. <b>2017</b> , 45, 121-129	72
1037	Genetic Lineage Tracing in Taste Tissues Using Sox2-CreERT2 Strain. <b>2017</b> , 42, 547-552	17
1036	Fragile X related protein 1 (FXR1P) regulates proliferation of adult neural stem cells. <b>2017</b> , 26, 1340-1352	16

1035	Prolactin regulation of the HPA axis is not mediated by a direct action upon CRH neurons: evidence from the rat and mouse. <b>2017</b> , 222, 3191-3204	10
1034	A non-cell autonomous mouse model of CNS haemangioblastoma mediated by mutant KRAS. <b>2017</b> , 7, 44899	4
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1032	Lineage-Biased Stem Cells Maintain Estrogen-Receptor-Positive and -Negative Mouse Mammary Luminal Lineages. <b>2017</b> , 18, 2825-2835	61
1031	Scleraxis is required for maturation of tissue domains for proper integration of the musculoskeletal system. <b>2017</b> , 7, 45010	50
1030	Novel Model of Tendon Regeneration Reveals Distinct Cell Mechanisms Underlying Regenerative and Fibrotic Tendon Healing. <b>2017</b> , 7, 45238	114
1029	Synergic Functions of miRNAs Determine Neuronal Fate of Adult Neural Stem Cells. <b>2017</b> , 8, 1046-1061	35
1028	Visualizing endoderm cell populations and their dynamics in the mouse embryo with a reporter. <b>2017</b> , 6, 678-687	3
1027	Respiratory Network Stability and Modulatory Response to Substance P Require Nalcn. <b>2017</b> , 94, 294-303.e4	35
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1025	Dicer maintains the identity and function of proprioceptive sensory neurons. <b>2017</b> , 117, 1057-1069	9
1024	NOTCH1 and NOTCH2 regulate epithelial cell proliferation in mouse and human gastric corpus. <b>2017</b> , 312, G133-G144	27
1023	Transcription factor Etv5 is essential for the maintenance of alveolar type II cells. <b>2017</b> , 114, 3903-3908	49
1022	Lineage Specification from Prostate Progenitor Cells Requires Gata3-Dependent Mitotic Spindle Orientation. <b>2017</b> , 8, 1018-1031	12
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1020	Cerebellar granule cells encode the expectation of reward. <b>2017</b> , 544, 96-100	262
1019	Deep-brain imaging via epi-fluorescence Computational Cannula Microscopy. <b>2017</b> , 7, 44791	24
1018	Tissue Myeloid Progenitors Differentiate into Pericytes through TGF- $\beta$ Signaling in Developing Skin Vasculature. <b>2017</b> , 18, 2991-3004	66

1017	Quantitative Analysis of Supporting Cell Subtype Labeling Among CreER Lines in the Neonatal Mouse Cochlea. <b>2017</b> , 18, 227-245	8
1016	An in vivo transfection system for inducible gene expression and gene silencing in murine hepatocytes. <b>2017</b> , 19, e2940	3
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1014	Merkel cells are long-lived cells whose production is stimulated by skin injury. <b>2017</b> , 422, 4-13	12
1013	Sodium Pumps Mediate Activity-Dependent Changes in Mammalian Motor Networks. <b>2017</b> , 37, 906-921	29
1012	Harnessing molecular motors for nanoscale pulldown in live cells. <b>2017</b> , 28, 463-475	17
1011	Deletion of ATF4 in AgRP Neurons Promotes Fat Loss Mainly via Increasing Energy Expenditure. <b>2017</b> , 66, 640-650	20
1010	Contribution of Innate Cortical Mechanisms to the Maturation of Orientation Selectivity in Parvalbumin Interneurons. <b>2017</b> , 37, 820-829	10
1009	Optimized Protocol for Imaging Cleared Neural Tissues Using Light Microscopy. <b>2017</b> , 1538, 137-153	7
1008	AAV-Mediated Anterograde Transsynaptic Tagging: Mapping Corticocollicular Input-Defined Neural Pathways for Defense Behaviors. <b>2017</b> , 93, 33-47	289
1007	Duct- and Acinar-Derived Pancreatic Ductal Adenocarcinomas Show Distinct Tumor Progression and Marker Expression. <b>2017</b> , 21, 966-978	55
1006	Co-expression of Tbx6 and Sox2 identifies a novel transient neuromesoderm progenitor cell state. <b>2017</b> , 144, 4522-4529	29
1005	The Wound Microenvironment Reprograms Schwann Cells to Invasive Mesenchymal-like Cells to Drive Peripheral Nerve Regeneration. <b>2017</b> , 96, 98-114.e7	143
1004	Aldosterone-Sensing Neurons in the NTS Exhibit State-Dependent Pacemaker Activity and Drive Sodium Appetite via Synergy with Angiotensin II Signaling. <b>2017</b> , 96, 190-206.e7	42
1003	Embryonic hindbrain patterning genes delineate distinct cardio-respiratory and metabolic homeostatic populations in the adult. <b>2017</b> , 7, 9117	3
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1001	Brain-wide Maps Reveal Stereotyped Cell-Type-Based Cortical Architecture and Subcortical Sexual Dimorphism. <b>2017</b> , 171, 456-469.e22	161
1000	A platform for efficient identification of molecular phenotypes of brain-wide neural circuits. <b>2017</b> , 7, 13891	16



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998	The BRAIN Initiative Cell Census Consortium: Lessons Learned toward Generating a Comprehensive Brain Cell Atlas. <b>2017</b> , 96, 542-557	159
997	Fibrinogen Activates BMP Signaling in Oligodendrocyte Progenitor Cells and Inhibits Remyelination after Vascular Damage. <b>2017</b> , 96, 1003-1012.e7	86
996	Lattice system of functionally distinct cell types in the neocortex. <b>2017</b> , 358, 610-615	38
995	Parvalbumin-expressing interneurons can act solo while somatostatin-expressing interneurons act in chorus in most cases on cortical pyramidal cells. <b>2017</b> , 7, 12764	18
994	Direct and efficient transfection of mouse neural stem cells and mature neurons by mRNA electroporation. <b>2017</b> , 144, 3968-3977	14
993	NMDA Receptors. <b>2017</b> ,	2
992	Gene Targeted Mice with Conditional Knock-In (-Out) of NMDAR Mutations. <b>2017</b> , 1677, 201-230	3
991	Analysis of Functional NMDA Receptors in Astrocytes. <b>2017</b> , 1677, 241-251	5
990	SHP2 Regulates the Osteogenic Fate of Growth Plate Hypertrophic Chondrocytes. <b>2017</b> , 7, 12699	20
989	UTX-guided neural crest function underlies craniofacial features of Kabuki syndrome. <b>2017</b> , 114, E9046-E9055	39
988	Dysregulated PDGFR $\beta$ signaling alters coronal suture morphogenesis and leads to craniosynostosis through endochondral ossification. <b>2017</b> , 144, 4026-4036	13
987	Layer- and cell type-selective co-transmission by a basal forebrain cholinergic projection to the olfactory bulb. <b>2017</b> , 8, 652	34
986	A knock-in mouse line conditionally expressing the tumor suppressor WTX/AMER1. <b>2017</b> , 55, e23074	1
985	Gating of social reward by oxytocin in the ventral tegmental area. <b>2017</b> , 357, 1406-1411	238
984	Mouse Cutaneous Melanoma Induced by Mutant BRAf Arises from Expansion and Dedifferentiation of Mature Pigmented Melanocytes. <b>2017</b> , 21, 679-693.e6	61
983	A Role for Dystonia-Associated Genes in Spinal GABAergic Interneuron Circuitry. <b>2017</b> , 21, 666-678	14
982	Hemodynamic Forces Sculpt Developing Heart Valves through a KLF2-WNT9B Paracrine Signaling Axis. <b>2017</b> , 43, 274-289.e5	70

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979	Imaging Voltage in Genetically Defined Neuronal Subpopulations with a Cre Recombinase-Targeted Hybrid Voltage Sensor. <b>2017</b> , 37, 9305-9319	16
978	Tortuous Microvessels Contribute to Wound Healing via Sprouting Angiogenesis. <b>2017</b> , 37, 1903-1912	18
977	Mouse Genome Informatics (MGI) Resource: Genetic, Genomic, and Biological Knowledgebase for the Laboratory Mouse. <b>2017</b> , 58, 17-41	40
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971	AAV-PHP.B-Mediated Global-Scale Expression in the Mouse Nervous System Enables GBA1 Gene Therapy for Wide Protection from Synucleinopathy. <b>2017</b> , 25, 2727-2742	73
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969	Murine Olfactory Bulb Interneurons Survive Infection with a Neurotropic Coronavirus. <b>2017</b> , 91,	21
968	Microglia turnover with aging and in an Alzheimer's model via long-term in vivo single-cell imaging. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 1371-1376	25.5 193
967	Type I Interferon Signaling to Dendritic Cells Limits Murid Herpesvirus 4 Spread from the Olfactory Epithelium. <b>2017</b> , 91,	4
966	Hepatic Tmem30a Deficiency Causes Intrahepatic Cholestasis by Impairing Expression and Localization of Bile Salt Transporters. <b>2017</b> , 187, 2775-2787	16
965	Esr1 cells in the ventromedial hypothalamus control female aggression. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 1580-1590	25.5 102
964	Genetic disruption of ankyrin-G in adult mouse forebrain causes cortical synapse alteration and behavior reminiscent of bipolar disorder. <b>2017</b> , 114, 10479-10484	33

963	Heterodimeric capping protein is required for stereocilia length and width regulation. <b>2017</b> , 216, 3861-3881	26
962	Regional Cellular Environment Shapes Phenotypic Variations of Hippocampal and Neocortical Chandelier Cells. <b>2017</b> , 37, 9901-9916	8
961	Biallelic Loss Mediated by Drives Angiosarcoma. <b>2017</b> , 77, 6109-6118	7
960	Using Cloning to Amplify Neuronal Genomes for Whole-Genome Sequencing and Comprehensive Mutation Detection and Validation. <b>2017</b> , 163-185	
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957	Astrocytes and oligodendrocytes in grey and white matter regions of the brain metabolize fatty acids. <b>2017</b> , 7, 10779	20
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952	Hypothalamic Tuberomammillary Nucleus Neurons: Electrophysiological Diversity and Essential Role in Arousal Stability. <b>2017</b> , 37, 9574-9592	34
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949	Neuronal regulation of type 2 innate lymphoid cells via neuromedin U. <b>2017</b> , 549, 277-281	300
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947	Monocyte infiltration and proliferation reestablish myeloid cell homeostasis in the mouse retina following retinal pigment epithelial cell injury. <b>2017</b> , 7, 8433	45
946	Astrocytes follow ganglion cell axons to establish an angiogenic template during retinal development. <b>2017</b> , 65, 1697-1716	43

945	and control subtype and laminar identity of MGE-derived neocortical interneurons. <b>2017</b> , 144, 2837-2851	34
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943	Activity dependent feedback inhibition may maintain head direction signals in mouse presubiculum. <b>2017</b> , 8, 16032	21
942	Local lung hypoxia determines epithelial fate decisions during alveolar regeneration. <b>2017</b> , 19, 904-914	130
941	ERK/MAPK Signaling Is Required for Pathway-Specific Striatal Motor Functions. <b>2017</b> , 37, 8102-8115	31
940	A Genetically Engineered Mouse Model of Sporadic Colorectal Cancer. <b>2017</b> ,	1
939	Catecholaminergic A1/C1 neurons contribute to the maintenance of upper airway muscle tone but may not participate in NREM sleep-related depression of these muscles. <b>2017</b> , 244, 41-50	8
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937	Bone marrow adipocytes promote the regeneration of stem cells and haematopoiesis by secreting SCF. <b>2017</b> , 19, 891-903	229
936	The Role of the Oligodendrocyte Lineage in Acute Brain Trauma. <b>2017</b> , 42, 2479-2489	11
935	Retinoic acid improves nephrotoxic serum-induced glomerulonephritis through activation of podocyte retinoic acid receptor $\beta$ . <b>2017</b> , 92, 1444-1457	23
934	BRG1-SWI/SNF-dependent regulation of the Wt1 transcriptional landscape mediates epicardial activity during heart development and disease. <b>2017</b> , 8, 16034	42
933	The role of Celsr3 in the development of central somatosensory projections from dorsal root ganglia. <b>2017</b> , 359, 267-276	4
932	Sonic hedgehog from both nerves and epithelium is a key trophic factor for taste bud maintenance. <b>2017</b> , 144, 3054-3065	31
931	PDGFR $\beta$ 2A-CreER mice: a genetic tool to target pericytes in angiogenesis. <b>2017</b> , 20, 655-662	35
930	Correction of aberrant growth preserves tissue homeostasis. <b>2017</b> , 548, 334-337	93
929	Identification of a hybrid myocardial zone in the mammalian heart after birth. <b>2017</b> , 8, 87	38
928	Auditory Neuropathy after Damage to Cochlear Spiral Ganglion Neurons in Mice Resulting from Conditional Expression of Diphtheria Toxin Receptors. <b>2017</b> , 7, 6409	8

927	Morphology of Dbx1 respiratory neurons in the preBötzing complex and reticular formation of neonatal mice. <b>2017</b> , 4, 170097	5
926	Direct Midbrain Dopamine Input to the Suprachiasmatic Nucleus Accelerates Circadian Entrainment. <b>2017</b> , 27, 2465-2475.e3	53
925	The New Math of Neuroscience: Genetic Tools for Accessing and Electively Manipulating Neurons. <b>2017</b> , 75-105	1
924	Mouse retinal ganglion cell signalling is dynamically modulated through parallel anterograde activation of cannabinoid and vanilloid pathways. <b>2017</b> , 595, 6499-6516	19
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922	BLIMP1 Induces Transient Metastatic Heterogeneity in Pancreatic Cancer. <b>2017</b> , 7, 1184-1199	36
921	Fibroblasts in an endocardial fibroelastosis disease model mainly originate from mesenchymal derivatives of epicardium. <b>2017</b> , 27, 1157-1177	21
920	NKX2-1 Is Required in the Embryonic Septum for Cholinergic System Development, Learning, and Memory. <b>2017</b> , 20, 1572-1584	33
919	Specialized Mechanosensory Nociceptors Mediating Rapid Responses to Hair Pull. <b>2017</b> , 95, 944-954.e4	42
918	Immunohistochemical Procedures for Characterizing the Retinal Expression Patterns of Cre Driver Mouse Lines. <b>2017</b> , 1642, 181-194	
917	GIRK2 splice variants and neuronal G protein-gated K channels: implications for channel function and behavior. <b>2017</b> , 7, 1639	11
916	Neurogenesis from Sox2 expressing cells in the adult cerebellar cortex. <b>2017</b> , 7, 6137	25
915	Gli1 identifies osteogenic progenitors for bone formation and fracture repair. <b>2017</b> , 8, 2043	126
914	Multiplexed in vivo homology-directed repair and tumor barcoding enables parallel quantification of Kras variant oncogenicity. <b>2017</b> , 8, 2053	44
913	Studying BDNF/TrkB Signaling: Transcriptome Analysis from a Limited Number of Purified Adult or Aged Murine Brain Neurons. <b>2017</b> , 55-76	
912	Enhancing the precision of genetic lineage tracing using dual recombinases. <b>2017</b> , 23, 1488-1498	122
911	Krox20 defines a subpopulation of cardiac neural crest cells contributing to arterial valves and bicuspid aortic valve. <b>2018</b> , 145,	22
910	Contribution of Extra-Cardiac Cells in Murine Heart Valves is Age-Dependent. <b>2017</b> , 6,	28

909	Lateral geniculate neurons projecting to primary visual cortex show ocular dominance plasticity in adult mice. <i>Nature Neuroscience</i> , <b>2017</b> , 20, 1708-1714	25.5	44
908	Evidence of renal angiomyolipoma neoplastic stem cells arising from renal epithelial cells. <b>2017</b> , 8, 1466		12
907	Methodological standards for in vitro models of epilepsy and epileptic seizures. A TASK1-WG4 report of the AES/ILAE Translational Task Force of the ILAE. <b>2017</b> , 58 Suppl 4, 40-52		19
906	DSCAM-mediated control of dendritic and axonal arbor outgrowth enforces tiling and inhibits synaptic plasticity. <b>2017</b> , 114, E10224-E10233		19
905	Astrocytic neuroligins control astrocyte morphogenesis and synaptogenesis. <b>2017</b> , 551, 192-197		182
904	Generation and characterization of an estrogen receptor alpha-iCre knock-in mouse. <b>2017</b> , 55, e23084		6
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416	GABA facilitates spike propagation through branch points of sensory axons in the spinal cord. <b>2022</b> , 25, 1288-1299	2
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414	Membrane potential dynamics of excitatory and inhibitory neurons in mouse barrel cortex during active whisker sensing.	0
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409	Reorganizing Niche Architecture Still Preserves Organ Function in the Hair Follicle.	0
408	Identification of the Metaphyseal Skeletal Stem Cell.	0
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399	Experience-dependent flexibility in a molecularly diverse central-to-peripheral auditory feedback system.	0
398	Developmental reprogramming mediates aberrant cell state plasticity in colorectal cancer initiation.	0
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396	The cortical hem lacks stem cell potential despite expressing SOX9 and HOPX.	0
395	Correlated somatosensory input in parvalbumin/pyramidal cells in mouse motor cortex.	0
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391	Bronchus-associated macrophages efficiently capture and present soluble inhaled antigens and are capable of local Th2 cell activation. 11,	1
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386	Independent origins of fetal liver haematopoietic stem and progenitor cells. <b>2022</b> , 609, 779-784	1
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384	Injury-induced pulmonary tuft cells are heterogenous, arise independent of key Type 2 cytokines, and are dispensable for dysplastic repair. 11,	1
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381	Axonal domain structure as a putative identifier of neuron-specific vulnerability to oxidative stress in cultured neurons. ENEURO.0139-22.2022	0
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378	Phenylalanine hydroxylase mRNA rescues the phenylketonuria phenotype in mice. 10,	0
377	Pericyte remodeling is deficient in the aged brain and contributes to impaired capillary flow and structure. <b>2022</b> , 13,	3
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372	Integrity of the minor spliceosome in the developing mouse hypothalamus determines neuronal subtype composition regulating energy balance..	0
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- 356 Autophagy in parvalbumin interneurons is required for inhibitory transmission and memory via regulation of synaptic proteostasis. o
- 355 Anatomical Evidence for Parasympathetic Innervation of the Renal Vasculature and Pelvis. ASN.2021111518 o
- 354 Stable Transgenic Mouse Strain with Enhanced Photoactivatable Cre Recombinase for Spatiotemporal Genome Manipulation. 2201352 1
- 353 PV-IRES-Cre mouse line targets excitatory granule neurons in the cerebellum. **2022**, 15, o
- 352 MDA-LDL vaccination induces athero-protective germinal-center-derived antibody responses. **2022**, 41, 111468 o

351	Chronic psychosocial stress induces microglial activation and inflammatory responses that lead to neuronal dysfunction and depressive-like behavior.	0
350	ZBTB20 Regulates Prolactin Expression and Lactotrope Function in Adult Mice.	0
349	Transcriptomics reveals amygdala neuron regulation by fasting and ghrelin thereby promoting feeding.	0
348	A subset of OPCs do not express Olig2 during development which can be increased in the adult by brain injuries and complex motor learning.	0
347	Activation of arcuate nucleus glucagon-like peptide-1 receptor-expressing neurons suppresses food intake. <b>2022</b> , 12,	0
346	Nigrostriatal dopamine pathway regulates auditory discrimination behavior. <b>2022</b> , 13,	2
345	High-throughput screening identifies small molecule inhibitors of thioesterase superfamily member 1: Implications for the management of non-alcoholic fatty liver disease.	0
344	AAV13 Enables Precise Targeting of Local Neural Populations. <b>2022</b> , 23, 12806	1
343	Neurotensin neurons in the extended amygdala control dietary choice and energy homeostasis. <b>2022</b> , 25, 1470-1480	0
342	Brain-wide connectivity map of mouse thermosensory cortices.	0
341	Live imaging reveals chromatin compaction transitions and dynamic transcriptional bursting during stem cell differentiation in vivo.	0
340	Dopaminergic innervation at the central nucleus of the amygdala reveals distinct topographically and functionally segregated regions.	0
339	Involvement of POMC neurons in LEAP2 regulation of food intake and body weight. 13,	1
338	Agonistic anti-CD40 converts Tregs into Type 1 effectors within the tumor micro-environment.	0
337	Inhibition of CGRP signaling impairs fracture healing in mice.	0
336	A hypothalamic dopamine locus for psychostimulant-induced hyperlocomotion in mice. <b>2022</b> , 13,	0
335	Cross-species evolution of a highly potent AAV variant for therapeutic gene transfer and genome editing. <b>2022</b> , 13,	2
334	The Transcriptional Regulator Prdm1 Is Essential for the Early Development of the Sensory Whisker Follicle and Is Linked to the Beta-Catenin First Dermal Signal. <b>2022</b> , 10, 2647	0

- 333 The epigenetic modifier DOT1L regulates gene regulatory networks necessary for cardiac patterning and cardiomyocyte cell cycle withdrawal. 0
- 332 Nav1.1 is essential for proprioceptive signaling and motor behaviors. 11, 2
- 331 Multiple congenital malformations arise from somatic mosaicism for constitutively active Pik3ca signaling. 10, 1
- 330 Oligodendroglial macroautophagy is essential for myelin sheath turnover to prevent neurodegeneration and death. **2022**, 41, 111480 0
- 329 Importance of Glutamine in Synaptic Vesicles Revealed by Functional Studies of SLC6A17 and Its Mutations Pathogenic for Intellectual Disability. 0
- 328 Fate mapping reveals mixed embryonic origin and unique developmental codes of mouse forebrain septal neurons. **2022**, 5, 0
- 327 Continuous sensing of IFN $\gamma$  by hepatic endothelial cells shapes a vascular antimetastatic barrier. 11, 0
- 326 Transcription Factor Hb9 Is Expressed in Glial Cell Lineages in the Developing Mouse Spinal Cord. **2022**, 9, ENEURO.0214-22.2022 0
- 325 Genetic lineage tracing identifies cardiac mesenchymal-to-adipose transition in an arrhythmogenic cardiomyopathy model. 0
- 324 Immature olfactory sensory neurons provide behaviourally relevant sensory input to the olfactory bulb. **2022**, 13, 0
- 323 Insights into skeletal stem cells. **2022**, 10, 0
- 322 Multiomics analysis reveals that hepatocyte nuclear factor 1 $\beta$  regulates axon guidance genes in the developing mouse kidney. **2022**, 12, 0
- 321 Adult spinal Dmrt3 neurons receive direct somatosensory inputs from ipsi- and contralateral primary afferents and from brainstem motor nuclei. 0
- 320 Neuropeptide regulation of non-redundant ILC2 responses at barrier surfaces. 2
- 319 Bone marrow and periosteal skeletal stem/progenitor cells make distinct contributions to bone maintenance and repair. **2022**, 29, 1547-1561.e6 2
- 318 Generation of Pmel -dependent conditional and inducible Cre-driver mouse line for melanocytic-targeted gene manipulation. 0
- 317 HIF1A-dependent induction of alveolar epithelial PFKFB3 dampens acute lung injury. 0
- 316 Nociceptor neurons affect cancer immunosurveillance. 0

315	Vertebrate Animal Models of RP59: Current Status and Future Prospects. <b>2022</b> , 23, 13324	0
314	Population-wide gene disruption in the murine lung epithelium via AAV-mediated delivery of CRISPR/Cas9 components. <b>2022</b> ,	0
313	Targeting PTEN but not SOCS3 resists an age-dependent decline in promoting axon sprouting. <b>2022</b> , 25, 105383	0
312	Sox2 is required in supporting cells for normal levels of vestibular hair cell regeneration in adult mice. <b>2022</b> , 426, 108642	0
311	AcanCreER lacks specificity to chondrocytes and targets periosteal progenitors in the fractured callus. <b>2023</b> , 166, 116599	0
310	CDON contributes to Hedgehog-dependent patterning and growth of the developing limb. <b>2023</b> , 493, 1-11	0
309	An opioid-gated thalamoaccumbal circuit for the suppression of reward seeking in mice. <b>2022</b> , 13,	1
308	Neurotransmitter phenotype and axonal projection patterns of VIP-expressing neurons in the inferior colliculus. <b>2022</b> , 102189	0
307	Peptidergic modulation of motor neuron output via CART signaling at C bouton synapses	0
306	The adhesion G-protein-coupled receptor Gpr116 is essential to maintain the skeletal muscle stem cell pool. <b>2022</b> , 41, 111645	0
305	Schwann Cells Contribute to Alveolar Bone Regeneration by Promoting Cell Proliferation.	0
304	Sex differences in resilience to ferroptosis underlie sexual dimorphism in kidney injury and repair. <b>2022</b> , 41, 111610	2
303	Driving axon regeneration by orchestrating neuronal and non-neuronal innate immune responses via the IFN- $\gamma$ /GAS-STING axis. <b>2022</b> ,	1
302	Gradual differentiation uncoupled from cell cycle exit generates heterogeneity in the epidermal stem cell layer.	3
301	Liver type 1 innate lymphoid cells lacking IL-7 receptor are a native killer cell subset fostered by parenchymal niches.	0
300	Secondary infections rejuvenate the intestinal CD103 + tissue-resident memory T cell pool. <b>2022</b> , 7,	2
299	Tripartite extended amygdala-Basal ganglia CRH circuit drives locomotor activation and avoidance behavior. <b>2022</b> , 8,	0
298	Specific knockout of Sox2 in astrocytes reduces reactive astrocyte formation and promotes recovery after early postnatal traumatic brain injury in mouse cortex.	0

- 297 Molecular identity of proprioceptor subtypes innervating different muscle groups in mice. **2022**, 13, 0
- 296 Analysis of a cell niche with proliferative potential at the roof of the aqueduct of Sylvius. **2022**, 0
- 295 OncoLoop: A network-based precision cancer medicine framework. 0
- 294 Brown adipocytes local response to thyroid hormone is required for adaptive thermogenesis in adult male mice. 11, 1
- 293 Astrocyte endfoot formation controls the termination of oligodendrocyte precursor cell perivascular migration during development. **2022**, 0
- 292 P-body dynamics revealed by DDX6 protein knockdown via the auxin inducible degron system. 0
- 291 Mechanoreceptor signal convergence and transformation in the dorsal horn flexibly shape a diversity of outputs to the brain. **2022**, 1
- 290 Heparin is required for the formation of granules in connective tissue mast cells. 13, 1
- 289 VEGFR2 insufficiency enhances phosphotoxigenicity and undermines Klotho's protection against peritubular capillary rarefaction and kidney fibrosis. 0
- 288 Tracing the origin of pathologic pulmonary fibroblasts. 0
- 287 Repurposing of the multiciliation gene regulatory network in fate specification of Cajal-Retzius neurons. 0
- 286 Selective ablation of P53 in pancreatic beta cells fails to ameliorate glucose metabolism in genetic, dietary and pharmacological models of diabetes mellitus. **2023**, 67, 101650 1
- 285 Brain-wide inputs to the non-lemniscal inferior colliculus in mice. **2023**, 793, 136976 0
- 284 p21 induces a senescence program and skeletal muscle dysfunction. **2023**, 67, 101652 1
- 283 Long wavelength light reduces the negative consequences of dim light at night. **2023**, 176, 105944 0
- 282 Efficient in vivo neuronal genome editing in the mouse brain using nanocapsules containing CRISPR-Cas9 ribonucleoproteins. **2023**, 293, 121959 0
- 281 Cortical wiring by synapse type-specific control of local protein synthesis. **2022**, 378, 0
- 280 Thymic macrophages consist of two populations with distinct localization and origin. 11, 0



- 279 Deep RNA-seq of male and female murine sensory neuron subtypes after nerve injury. ○
- 278 Function of Excitatory Periaqueductal Gray Synapses in the Ventral Tegmental Area following Inflammatory Injury. **2022**, 9, ENEURO.0324-22.2022 ○
- 277 Self-cleaving guide RNAs enable pharmacological selection of precise gene editing events in vivo. **2022**, 13, ○
- 276 Anatomical Development of the Cerebellothalamic Tract in Embryonic Mice. **2022**, 11, 3800 ○
- 275 A three-photon head-mounted microscope for imaging all layers of visual cortex in freely moving mice. 1
- 274 B cell fate mapping reveals their contribution to the memory immune response against helminths. 13, ○
- 273 Cellular reprogramming with ATOH1, GFI1, and POU4F3 implicate epigenetic changes and cell-cell signaling as obstacles to hair cell regeneration in mature mammals. 11, 1
- 272 Loss of WNT4 in the gubernaculum causes unilateral cryptorchidism and fertility defects. **2022**, 149, ○
- 271 A Novel Model Using AAV9-Cre to Knockout Adult Leydig Cell Gene Expression Reveals a Physiological Role of Glucocorticoid Receptor Signalling in Leydig Cell Function. **2022**, 23, 15015 ○
- 270 Inactivation of LATS1/2 drives luminal-basal plasticity to initiate basal-like mammary carcinomas. **2022**, 13, ○
- 269 Loss of NDR1/2 kinases impairs endomembrane trafficking and autophagy leading to neurodegeneration. **2023**, 6, e202201712 ○
- 268 Macrophages support healing of ischemic injury by transdifferentiating towards mural cells and adopting functions important for vascular support. ○
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- 266 ZEB2 controls kidney stromal progenitor differentiation and inhibits abnormal myofibroblast expansion and kidney fibrosis. ○
- 265 Integration of genome-scale data identifies candidate sleep regulators. ○
- 264 Regulation of the alveolar regenerative niche by amphiregulin-producing regulatory T cells. **2023**, 220, ○
- 263 DOT1L regulates chamber-specific transcriptional networks during cardiogenesis and mediates postnatal cell cycle withdrawal. **2022**, 13, ○
- 262 Selective Menin Deletion in the Hippocampal CA1 Region Leads to Disruption of Contextual Memory in the MEN1 Conditional Knockout Mouse: Behavioral Restoration and Gain of Function following the Reintroduction of MEN1 Gene. **2022**, 11, 4019 ○

261	Adult born hippocampal granule cells promote pattern separation by bidirectionally modulating the remapping of place and cue cells.	0
260	Continuous germinal center invasion contributes to the diversity of the immune response. <b>2022</b> ,	1
259	Age-dependent structural reorganization of utricular ribbon synapses.	0
258	Nail-associated mesenchymal cells contribute to and are essential for dorsal digit tip regeneration. <b>2022</b> , 41, 111853	0
257	Embryogenic stem cell-derived intestinal crypt fission directs de novo crypt genesis. <b>2022</b> , 41, 111796	1
256	Oxytocin signaling is necessary for synaptic maturation of adult-born neurons.	0
255	Trans-cellular control of synapse properties by a cell type-specific splicing regulator.	0
254	Engineered retrovirus-like nanocarriers for messenger RNA delivery into neurons.	0
253	Engineered Lipid Nanoparticles for the Treatment of Pulmonary Fibrosis by Regulating Epithelial-Mesenchymal Transition in the Lungs. 2209432	0
252	A dedicated hypothalamic oxytocin circuit controls aversive social learning.	0
251	Glycolytic flux-signaling controls mouse embryo mesoderm development. 11,	0
250	Sphingolipid subtypes differentially control proinsulin processing and systemic glucose homeostasis.	0
249	TGF- $\beta$ signaling and Creb5 cooperatively regulate Fgf18 to control pharyngeal muscle development. 11,	1
248	Intermittent theta burst transcranial magnetic stimulation induces hippocampal mossy fibre plasticity in male but not female mice.	0
247	Improved genome editing by an engineered CRISPR-Cas12a.	1
246	Monitoring of cell-cell communication and contact history in mammals. <b>2022</b> , 378,	0
245	Neuroendocrinology of the lung revealed by single-cell RNA sequencing. 11,	0
244	Evolutionary assembly and disassembly of the mammalian sternum. <b>2022</b> ,	0

- 243 Off-target activity of the 81kb Dmp1-Cre results in the deletion of Tsc1 gene in mouse intestinal mesenchyme. o
- 242 Focused ultrasound-mediated brain genome editing. o
- 241 Developmental cell fate choice in neural tube progenitors employs two distinct cis-regulatory strategies. **2022**, o
- 240 Structural and functional distinctions of co-resident microglia and monocyte-derived macrophages after retinal degeneration. **2022**, 19, 2
- 239 SARM1 detection in oligodendrocytes but not Schwann cells though sarm1/Sarm1 deletion does not perturb CNS nor PNS myelination in zebrafish and mice. o
- 238 Thalamocortical circuits drive remifentanyl-induced postoperative hyperalgesia. **2022**, 132, o
- 237 Progressive differentiation toward the long-lived plasma cell compartment in the bone marrow. **2023**, 220, o
- 236 LHPP, a risk factor for major depressive disorder, regulates stress-induced depression-like behaviors through its histidine phosphatase activity. o
- 235 High-resolution mapping of sensory fibers at the healthy and post-myocardial infarct whole transgenic hearts. o
- 234 New Autosomal Myh11-CreER T 2 Smooth Muscle Cell Lineage Tracing and Gene Knockout Mouse Model. o
- 233 Increased intrinsic and synaptic excitability of hypothalamic POMC neurons underlies chronic stress-induced behavioral deficits. o
- 232 Nlp63 drives dysplastic alveolar remodeling and restricts epithelial plasticity upon severe lung injury. **2022**, 41, 111805 1
- 231 The role of selective SATB1 deletion in somatostatin expressing interneurons on endogenous network activity and the transition to epilepsy. o
- 230 Visualizing Cathepsin K-Cre Expression at the Single-Cell Level with GFP Reporters. o
- 229 Piwil2 (Mili) sustains neurogenesis and prevents cellular senescence in the postnatal hippocampus. o
- 228 An astrocytic signaling loop for frequency-dependent control of dendritic integration and spatial learning. **2022**, 13, o
- 227 Divergent Roles of Ephrin-B2/EphB4 Guidance System in Pulmonary Hypertension. o
- 226 Definition of the estrogen negative feedback pathway controlling the GnRH pulse generator in female mice. **2022**, 13, o

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- 224 Piezo2 channels expressed by colon-innervating TRPV1-lineage neurons mediate visceral mechanical hypersensitivity. **2022**, O
- 223 Clonal replacement sustains long-lived germinal centers primed by respiratory viruses. **2022**, 1
- 222 Somatosensory neurons express specific sets of lincRNAs , and lincRNA CLAP promotes itch sensation in mice. O
- 221 Control of Emotion and Wakefulness by Neurotensinergic Neurons in the Parabrachial Nucleus. O
- 220 Heterozygous mutations in SOX2 may cause idiopathic hypogonadotropic hypogonadism via dominant-negative mechanisms. O
- 219 Direction selectivity of inhibitory interneurons in mouse barrel cortex differs between interneuron subtypes. **2023**, 42, 111936 O
- 218 Control of G2Phase Duration by CDC25B Modulates the Switch from Direct to Indirect Neurogenesis in the Neocortex. JN-RM-0825-22 O
- 217 PDGF inhibits BMP2-induced bone healing. **2023**, 8, O
- 216 Inhibition of c-Jun in AgRP neurons increases stress-induced anxiety and colitis susceptibility. **2023**, 6, O
- 215 Cholinergic Boutons are Distributed Along the Dendrites and Somata of VIP Neurons in the Inferior Colliculus. O
- 214 Cre-dependent ACR2-expressing reporter mouse strain for efficient long-lasting inhibition of neuronal activity. O
- 213 Enteroendocrine cells protect the stem cell niche by regulating crypt metabolism in response to nutrients. **2023**, O
- 212 A Cre knockin mouse reveals specific expression of Agouti gene in mesenchymal lineage cells in multiple organs and provides a unique tool for conditional gene targeting. O
- 211 Characterizing the role of Pdgfra in calvarial development. O
- 210 Postnatal Osterix but not DMP1 lineage cells significantly contribute to intramembranous ossification in three preclinical models of bone injury. 13, O
- 209 Use of a dual genetic system to decipher exocrine cell fate conversions in the adult pancreas. **2023**, 9, 1
- 208 Excessive mechanotransduction in sensory neurons causes joint contractures. **2023**, 379, 201-206 O

- 207 Lateral entorhinal cortex inputs modulate hippocampal dendritic excitability by recruiting a local disinhibitory microcircuit. **2023**, 42, 111962 o
- 206 An insular cortex to lateral amygdala pathway in fear learning. o
- 205 Chrna5 and lynx prototoxins identify acetylcholine super-responder subplate neurons. **2023**, 105992 o
- 204 Activation of MAP2K signaling by genetic engineering or HF-rTMS promotes corticospinal axon sprouting and functional regeneration. **2023**, 15, 1
- 203 Targeting Peripheral  $\mu$ -opioid Receptors or  $\mu$ -opioid Receptor-Expressing Neurons Does not Prevent Morphine-induced Mechanical Allodynia and Anti-allodynic Tolerance. o
- 202 A DLG1-ARHGAP31-CDC42 axis is essential for the intestinal stem cell response to fluctuating niche Wnt signaling. **2023**, o
- 201 Senescent cells perturb intestinal stem cell differentiation through Ptk7 induced noncanonical Wnt and YAP signaling. **2023**, 14, 1
- 200 Epithelial plasticity enhances regeneration of committed taste receptor cells following nerve injury. o
- 199 Generation of innervated cochlear organoid recapitulates early development of auditory unit. **2023**, 18, 319-336 o
- 198 Experience-dependent plasticity of gustatory insular cortex circuits and taste preferences. **2023**, 9, o
- 197 Brain endothelial CXCL12 attracts protective natural killer cells during ischemic stroke. **2023**, 20, o
- 196 Myh6 promoter-driven Cre recombinase excises floxed DNA fragments in a subset of male germline cells. **2023**, 175, 62-66 o
- 195 Knockout of TSC2 in Nav1.8+ neurons predisposes to the onset of normal weight obesity. **2023**, 68, 101664 o
- 194 In vivo editing of the pan-endothelium by immunity evading simian adenoviral vector. **2023**, 158, 114189 o
- 193 TAXI-peptide targeted Cas12a ribonuclease protein nanoformulations increase genome editing in hippocampal neurons. **2023**, 354, 188-195 o
- 192 Identity, lineage and fates of a temporally distinct progenitor population in the embryonic olfactory epithelium. **2023**, 495, 76-91 o
- 191 Infiltration of tumors is regulated by T cell-intrinsic nitric oxide synthesis. o
- 190 Molecular and spatial design of early skin development. o

- 189 Augmentation of BMP signaling in cranial neural crest cells leads to premature cranial sutures fusion through endochondral ossification in mice. o
- 188 Coordinated cadherin functions sculpt respiratory motor circuit connectivity. 11, o
- 187 Whole bone subcutaneous transplantation as a strategy to study precisely the bone marrow niche. o
- 186 Inhibition of autophagy in microglia and macrophages exacerbates innate immune responses and worsens brain injury outcomes. 1-19 o
- 185 Maturation of glutamatergic transmission onto dorsal raphe serotonergic neurons. o
- 184 Comparison of wholemount dissection methods for neuronal subtype marker expression in the mouse myenteric plexus. o
- 183 Post-synaptic NMDA Receptor Expression Is Required for Visual Corticocollicular Projection Refinement in the Mouse Superior Colliculus. JN-RM-1473-22 o
- 182 Epidermal SIRT1 and BDNF modulate mechanical allodynia in mouse models of diabetic neuropathy. o
- 181 Generation and characterization of a Ddx4-iCre transgenic line for deletion in the germline beginning at genital ridge colonization. o
- 180 Control of craniofacial development by the collagen receptor, discoidin domain receptor 2. 12, o
- 179 Molecular mechanisms of coronary artery disease risk at the PDGFD locus. o
- 178 Progenitor-derived endothelin controls dermal sheath contraction for hair follicle regression. o
- 177 The Transcriptional Response to Lung-Targeting Lipid Nanoparticles in Vivo. **2023**, 23, 993-1002 o
- 176 Neuroligin-2 controls the establishment of fast GABAergic transmission in adult-born granule cells. 1
- 175 Acoustically Targeted Noninvasive Gene Therapy in Large Brain Regions. o
- 174 Astrocytes transplanted during early postnatal development integrate, mature, and survive long-term in mouse cortex. JN-RM-0544-22 o
- 173 Extracellular communication between brain cells through functional transfer of Cre mRNA. o
- 172 A striatal circuit balances learned fear in the presence and absence of sensory cues. 12, o

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170	Wdr4 promotes cerebellar development and locomotion through Arhgap17-mediated Rac1 activation. <b>2023</b> , 14,	o
169	Acid-sensing ion channel 1a in the central nucleus of the amygdala regulates anxiety-like behaviors in a mouse model of acute pain. 15,	o
168	Immune-interacting lymphatic endothelial subtype at capillary terminals drives lymphatic malformation. <b>2023</b> , 220,	o
167	Spatiotemporal reconstruction of the origin and assembly of smooth muscles in the intestinal villus.	o
166	Filamin C is Essential for mammalian myocardial integrity. <b>2023</b> , 19, e1010630	o
165	Sensory nerve niche regulates mesenchymal stem cell homeostasis via FGF/mTOR/autophagy axis. <b>2023</b> , 14,	o
164	Neuroanatomical characterization of the Nmu-Cre knock-in mice reveals an interconnected network of unique neuropeptidergic cells.	o
163	A sleep-active basolocortical pathway crucial for generation and maintenance of chronic pain.	o
162	Hematopoietic Cell Autonomous Disruption of Hematopoiesis in a Germline Loss-of-function Mouse Model of RUNX1-FPD. <b>2023</b> , 7, e824	o
161	A cellular hierarchy of Notch and Kras signaling controls cell fate specification in the developing mouse salivary gland. <b>2023</b> , 58, 94-109.e6	o
160	Tissue Clearing and Confocal Microscopic Imaging for Skeletal Muscle. <b>2023</b> , 453-462	o
159	Helicobacter pylori -derived outer membrane vesicles contribute to Alzheimer's disease pathogenesis via C3-C3aR signalling. <b>2023</b> , 12, 12306	1
158	The molecular phenotype of kisspeptin neurons in the medial amygdala of female mice. 14,	o
157	The Clustered Gamma Protocadherin Pcdh $\gamma$ 4 Isoform Regulates Cortical Interneuron Programmed Cell Death in the Mouse Cortex.	o
156	A cell-type-specific alternative splicing regulator shapes synapse properties in a trans-synaptic manner. <b>2023</b> , 42, 112173	o
155	Microglia play beneficial roles in multiple experimental seizure models.	o
154	Pdgfr $\beta$ lineage cells transiently increase at the site of Achilles tendon healing.	o

- 153 RHOJ controls EMT-associated resistance to chemotherapy. **2023**, 616, 168-175 o
- 152 Tenascin C+ papillary fibroblasts facilitate neuro-immune interaction in a mouse model of psoriasis. **2023**, 14, o
- 151 Identification of an essential spinoparabrachial pathway for mechanical itch. **2023**, o
- 150 SARM1 detection in myelinating glia: sarm1/Sarm1 is dispensable for PNS and CNS myelination in zebrafish and mice. 17, o
- 149 110 ~~in~~ thin endo-microscope for deep-brain in vivo observations of neuronal connectivity, activity and blood flow dynamics. **2023**, 14, o
- 148 ETV4 mediates dosage-dependent prostate tumor initiation and cooperates with p53 loss to generate prostate cancer. **2023**, 9, o
- 147 A novel mouse model for an inducible gene modification in the renal thick ascending limb. **2023**, 324, F446-F460 o
- 146 Real-time mechanisms of exacerbated synaptic remodeling by microglia in acute models of systemic inflammation and tauopathy. **2023**, 110, 245-259 o
- 145 Pyramidal neurons form active, transient, multilayered circuits perturbed by autism-associated mutations at the inception of neocortex. **2023**, o
- 144 ROP16-mediated activation of STAT6 enhances cyst development of type III *Toxoplasma gondii* in neurons. **2023**, 19, e1011347 o
- 143 Depletion of microglial BDNF increases susceptibility to the behavioral and synaptic effects of chronic unpredictable stress. **2023**, 109, 127-138 o
- 142 An ependymal cell census identifies heterogeneous and ongoing cell maturation in the adult mouse spinal cord that changes dynamically on injury. **2023**, 58, 239-255.e10 o
- 141 Transient astrocytic accumulation of fluorescein during spreading depolarizations. **2023**, 178, 106026 o
- 140 Fully accessible fitness landscape of oncogene-negative lung adenocarcinoma. o
- 139 Epitenon-derived cells comprise a distinct progenitor population that contributes to both tendon fibrosis and regeneration following acute injury. o
- 138 The collateral activity of RfxCas13d can induce lethality in a RfxCas13d knock-in mouse model. **2023**, 24, 1
- 137 Tumor-associated nonmyelinating Schwann cells expressed PVT1 promotes pancreatic cancer kynurenine pathway and tumor immune exclusion. **2023**, 9, o
- 136 Lifelong tissue memory relies on spatially organised dedicated progenitors located distally from the injury. o



- 135 Dopaminergic innervation at the central nucleus of the amygdala reveals distinct topographically segregated regions. **2023**, 228, 663-675 o
- 134 Cre recombinase microinjection for single-cell tracing and localised gene targeting. **2023**, 150, o
- 133 Genetically Defined Subtypes of Somatostatin-Containing Cortical Interneurons. o
- 132 IL-17 driven induction of Paneth cell antimicrobial functions protects the host from microbiota dysbiosis and inflammation in the ileum. **2023**, o
- 131 Aberrant circuitry underlying olfaction in the face of severe olfactory bulb degeneration. o
- 130 Unexpected failure of rod bipolar cell targeting using L7Cre-2 mice. **2023**, 228, 109406 o
- 129 Cell-autonomous requirement for ACE2 across organs in lethal mouse SARS-CoV-2 infection. **2023**, 21, e3001989 o
- 128 Molecular characterization of the intact mouse muscle spindle using a multi-omics approach. 12, o
- 127 A transcriptional constraint mechanism limits the homeostatic response to activity deprivation in mammalian neocortex. 12, o
- 126 A Novel Single Vector Intersectional AAV Strategy for Interrogating Cellular Diversity and Brain Function. o
- 125 Neuronal SIRT3 Deletion Predisposes to Female-Specific Alterations in Cellular Metabolism, Memory, and Network Excitability. **2023**, 43, 1845-1857 1
- 124 Control of coronary lymphangiogenesis by epicardial VEGFC/D. o
- 123 IN SITU IMAGING OF RETINAL CALCIUM DYNAMICS IN AWAKE ANIMALS. o
- 122 Csf1 from marrow adipogenic precursors is required for osteoclast formation and hematopoiesis in bone. 12, o
- 121 A Cre-deleter specific for embryo-derived brain macrophages reveals distinct features of microglia and border macrophages. **2023**, o
- 120 Hypothalamic neurons that mirror aggression. **2023**, 186, 1195-1211.e19 o
- 119 A luciferase reporter mouse model to optimize in vivo gene editing validated by lipid nanoparticle delivery of adenine base editors. **2023**, 31, 1159-1166 o
- 118 NFATc1 marks articular cartilage progenitors and negatively determines articular chondrocyte differentiation. 12, 1

- 117 Whole-brain input mapping of the lateral versus medial anterodorsal bed nucleus of the stria terminalis in the mouse. **2023**, 23, 100527 o
- 116 Fine-tuning spatial-temporal dynamics and surface receptor expression support plasma cell-intrinsic longevity. o
- 115 Guanidinium-Rich Lipopeptide-Based Nanoparticle Enables Efficient Gene Editing in Skeletal Muscles. **2023**, 15, 10464-10476 o
- 114 Shuttle Peptide Delivers Base Editor RNPs to Rhesus Monkey Airway Epithelial Cells In Vivo. o
- 113 Neuronal Blockade of Thyroid Hormone Signaling Increases Sensitivity to Diet-Induced Obesity in Adult Male Mice. **2023**, 164, o
- 112 Astrocyte-like subpopulation of NG2 glia in the adult mouse cortex exhibits characteristics of neural progenitor cells and is capable of forming neuron-like cells after ischemic injury. o
- 111 Molecular mechanisms of coronary artery disease risk at the PDGFD locus. **2023**, 14, o
- 110 A Nucleus Accumbens Tac1 Neural Circuit Regulates Avoidance Responses to Aversive Stimuli. **2023**, 24, 4346 o
- 109 A toolbox of astrocyte-specific, serotype-independent adeno-associated viral vectors using microRNA targeting sequences. o
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- 107 LC-MS-Based Targeted Metabolomics for FACS-Purified Rare Cells. **2023**, 95, 4325-4334 o
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- 104 Neuroprotective effects of hepatoma-derived growth factor in models of Huntington's disease. o
- 103 Injury primes mutation-bearing astrocytes for dedifferentiation in later life. **2023**, 33, 1082-1098.e8 o
- 102 A leptin-responsive hypothalamic circuit inputs to the circadian feeding network. o
- 101 Airway secretory cell-derived p63+progenitors contribute to alveolar regeneration after sterile lung injury. o
- 100 Multimodal decoding of human liver regeneration. o

- 99 Single-cell multiome sequencing clarifies enteric glial diversity and identifies an intraganglionic population poised for neurogenesis. **2023**, 42, 112194 1
- 98 Impact of the Aryl Hydrocarbon Receptor on Aurora A Kinase and the G2/M Phase Pathway in Hematopoietic Stem and Progenitor Cells. **2023**, 2, 100-115 0
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- 96 Microbe-mediated intestinal NOD2 stimulation improves linear growth of undernourished infant mice. **2023**, 379, 826-833 1
- 95 Mitochondrial pyruvate metabolism regulates the activation of quiescent adult neural stem cells. **2023**, 9, 0
- 94 Inducible generalized activation of hSTING-N154S expression in mice leads to lethal hypercytokinemia: a model for cytokine storm **2023**, 113, 326-333 0
- 93 l-Type amino acid transporter 1 in hypothalamic neurons in mice maintains energy and bone homeostasis. **2023**, 8, 0
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