	First Author Last Name	First Author First Name	Author Type	Department	Lab/ Mentor Name	Category	Title of Abstract
1	Alreja	Arish	Graduate	Center for Neural Basis of Cognition	Ghuman	Sensory - Vision	The Representation of Orientation and Identity in Human Ventral Face Processing Areas as Measured by Intracranial Electroencephalography
2	Bowes	Brittany	Graduate	Neuroscience	Cohen	Sensory - Vision	Using pharmaceuticals to study how cognition affects perception
3	Golabchi	Asiyeh	Postdoctoral	Bioengineering	Cui	Sensory - Vision	Effect of neuro-adhesive L1 coating on long-term neural recording quality in the visual cortex of mice
4	Heusser	Michelle	Graduate	Bioengineering	Gandhi	Sensory - Vision	Population dynamics of delay period activity during a saccade task
5	Li	Yuanning	Graduate	Neurological Surgery	Ghuman	Sensory - Vision	Endogenous pre-stimulus activity modulates category tuning and influences perceptual behavior
6	Mohsenian	Kevin	Graduate	Bioengineering	Gandhi	Sensory - Vision	Characteristics of saccades to moving targets
7	Xue	Cheng	Postdoctoral	Neuroscience	Cohen	Sensory - Vision	The Behavioral Relevance of Communication Between Macaque Brain Areas
8	Montes Lourido	Pilar	Postdoctoral	Neurobiology	Sadagopan	Sensory - Auditory	Cortical mechanisms supporting complex sound processing
9	Canto-Bustos	Martha	Postdoctoral	Neuroscience	Oswald	Sensory - Olfactory	Inhibitory circuits that gate associative synaptic plasticity in olfactory cortex
10	Cover	Christopher	Graduate	Radiology	Poplawsky	Sensory - Olfactory	High resolution odor mapping in the awake mouse olfactory bulb using noninvasive BOLD and contrast-enhanced fMRI
11	Liu	Monica	Graduate	Bioengineering	Weber	Sensory - Touch	Effect of surface texture on the encoding of touch pressure and shear in the glabrous skin of a rhesus macaque
12	Alter	Ben	Postdoctoral	Anesthesiology and Perioperative Medicine / Division of Pain Medicine	Fields	Sensory - Pain	Optimizing conditioned analgesia for translational applications
13	Chiang	Michael	Graduate	Neurobiology	Ross	Sensory - Pain	Lateral parabrachial nucleus mediates separable aspects of the nociceptive response

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14	Cooper	Andrew	Postdoctoral	Anesthesiology	Taylor	Sensory - Pain	The effect of peripheral nerve injury on neuropeptide Y1 receptor expression in interneuronal populations within the dorsal horn of the mouse spinal cord
15	Hartung	Jane		Neurobiology	Gold	Sensory - Pain	Using GCaMP6 forthe Assessment of Activity of Nociceptive Afferents
16	Najjar	Sarah	Graduate	Neurobiology	Albers	Sensory - Pain	The role of colon epithelium in visceral pain signaling
17	Prasoon	Pranav	Postdoctoral	Anesthesiology	Taylor	Sensory - Pain	Co- Expression and potential interaction of neuropeptide Y receptor 1 (Y1) and mu-opioid receptors (MOR) in the superficial dorsal horn of the spinal cord
18	Santos	Diogo	Postdoctoral	Anesthesiology	Taylor	Sensory - Pain	GluN2 and GluN3 receptor-mediated pain sensitization is tonically inhibited by endogenous mu opioid receptors
19	Hachisuka	Junichi	Faculty	Neurobiology	Hachisuka	Sensory - Pain	Neural circuit basis for the inhibition of itch by counter stimuli
20	Meerschaert	Kimberly	Graduate	Neurobiology, Pittsburgh Center for Pain Research	Davis	Sensory-Motor - Internal	Neuroimmune genes are differentially expressed in visceral afferents innervating the colon: a single cell RT-qPCR analysis
21	Smith-Edwards	Kristen	Postdoctoral	Neurobiology	Davis	Sensory-Motor - Internal	In vivo and ex vivo GCaMP imaging of enteric circuits for the use of optogenetic stimulation to regulate colon motility\nKristen M. Smith-Edwards Sarah A. Najjar Brian S. Edwards Kathryn M. Albers Brian M.
22	Smalianchuk	Ivan	Graduate	Bioengineering	Gandhi	Sensory-Motor	Ventral premotor control of head and eye movements
23	Lipski	Witold	First Author Type	Neurological Surgery	Richardson	Motor	Neuronal firing in the subthalamic nucleus encodes segmenting of motor sequences
24	Card	Nicholas	Graduate	Bioengineering	Gharbawie	Motor	Motor cortex's intrinsic connections revealed with intracortical microstimulation and optical imaging in squirrel monkeys
25	Chehade	Nick	Graduate	Neurobiology	Gharbawie	Motor	Arm and Hand Muscle and Kinematic Activity During a Reach-to-Grasp Task
26	Chernoff	Benjamin	Graduate	Psychology	Mahon - CMU	Motor	Intra-operative direct electrical stimulation of the left Frontal Aslant Tract disrupts sentence planning but does not affect articulation

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27	Chrabaszcz	Anna	Postdoctoral	Psychology	Richardson, Fiez	Motor	Representation of speech and vocal tract articulators in the subthalamic nucleus and the sensorimotor cortex
28	Dastolfo-Hromack	Christina	Graduate	Neurosurgery	Richardson	Motor	Local field potentials in the human subthalamic nucleus predict scaling of speech production.
29	Wang	Dengyu	First Author Type	Neurological Surgery	Richardson	Motor	Differential modulation of neural activity in the ventral lateral nucleus of the thalamus during speech production
30	de Kam	Digna	Postdoctoral	Bioengineering	Torres-Oviedo	Motor	The size and direction of performance errors during sensorimotor adaptation regulate the carryover of motor learning across contexts
31	Sombric	Carly	Graduate	Bioengineering	Torres-Oviedo	Motor	Cognitive and motor switching are associated in older adults
32	He	Jing	Postdoctoral	Systems Neuroscience	Stauffer	Systems	Transcriptional characterization of single cells from Rhesus macaque brains
33	Iordanova	Bistra	Faculty	Bioengineering	Iordanova	Systems	Left-right brain connectivity - how cells drive MRI functional signals
34	Nigam	Aparna		Neuroscience	Johnson	Systems	Functional and Biochemical Investigation of Inter-subunit Interactions in NMDA Receptor Transmembrane Regions
35	Hoftman	Gil	Postdoctoral	Psychiatry	Lewis	Systems	Development of GABA receptor transcripts in layer 3 pyramidal and parvalbumin neurons in monkey visual and prefrontal cortices
36	Phillips	Ryan	Postdoctoral	Mathematics	Rubin	Systems	Short-term Plasticity of GABAergic Synapses in the Substantia Nigra Pars Reticulata
37	Rothenhoefer	Kathryn	Graduate	Neurobiology	Stauffer	Systems	Rare Rewards Enhance Dopamine Prediction Error Responses
38	Cover	Christopher	Graduate	Radiology	Vazquez	Imaging	Optimizing Dynamic Changes in Neuronal and Hemodynamic Connectivity Calculated in Awake Mice Expressing GCaMP
39	Lorenz-Guertin	Joshua	Graduate	Pharmacology, Chemical Biology	Jacob	Imaging	Diazepam Down-regulates Gephyrin Scaffolding and Reduces Synaptic Availability of α2γ2 GABAARs

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40	Scopelliti	Matteo Giuseppe	Graduate	Electrical and Computer Engineering, CMU	Chamanzar - cmu	Imaging	In situ Ultrasonically Tunable Virtual Relay Lens for Non-invasive Micro-endoscopy
41	Tervo-Clemmens	Brenden	Graduate	Psychology	Luna	Imaging	Striatal hyper-activation underlies adolescent substance use risk: a functional nueroimaging meta-analysis
42	Vogt	Keith	Faculty	Anesthesiology	Vogt	Imaging	Modulation of human memory by midazolam and ketamine during painful stimulation
43	Wu	John	Postdoctoral	Pediatrics	Escolar	Imaging	Histopathological findings confirm in vivo diffusion-MRI measurements in a Krabbe disease patient
44	Wellman	Steven	Graduate	Bioengineering	Kozai	Technology & Techniques	Microelectrode implantation induces pericyte reactivity and vascular bed reorganization as revealed by two-photon microscopy
45	Reddy	Jay	Graduate	ECE	Chamanzar - cmu	Technology & Techniques	Parylene Waveguide Neural Probes for Optogenetic Stimulation
46	Vadnie	Chelsea	Postdoctoral	Psychiatry	McClung	Technology & Techniques	Using Optogenetics to Determine the Role of the Suprachiasmatic Nucleus in Mood Regulation
47	Williams	Jordan	Postdoctoral	Systems Neuroscience Institute	Schwartz	Technology & Techniques	Prolonged functional optical sensitivity in non-human primate motor nerves following Cyclosporine-based immunosuppression and AAVretro-mediated expression of ChR2
48	Ahmed	Zabir	Graduate	Electrical and Computer Engineering	Chamanzar	Technology & Techniques	Steeltrode: A Hybrid Parylene- Stainless steel Probe for Recording from Non-human Primate Brain
49	Bankson	Brett	Graduate	Psychology	Ghuman	Technology & Techniques	s from face-selective temporal cortex show enhanced response to con
50	Boring	Matthew	Graduate	Neurological Surgery	Ghuman	Technology & Techniques	sing single trial decoding of fine-grained information processing dynan
51	Meng	Jianjun	Postdoctoral	Biomedical Engineering	He	Technology & Techniques	3-dimensional Brain-computer Interface Control through Simultaneous Overt Spatial Attentional and Motor Imagery Tasks
52	Wang	Maxwell	Graduate	Neurosurgery	Ghuman	Technology & Techniques	Effect of Deep Brain Stimulation on Cortical Connectivity

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53	Stretcu	Otilia	Graduate	Machine Learning, CNBC	Mitchell	Technology & Techniques	Context Matters: Modeling Single Repetition Question-Answering in the Brain
54	Calloway	Regina	Graduate	Psychology	Perfetti	Learning	A study the study: Individual differences in using indefinite and definite articles as cues for structure building
55	Fang	Xiaoping	Graduate	Psychology	Perfetti	Learning	ERP evidence for rapid meaning access to newly learned words
56	Hernandez-Chavez	Paola	Postdoctoral	Center for Philosophy of Science		Learning	Methodological Principles of Dysfunctions in Cognitive Neuroscience: How to Improve Them
57	Koch	Griffin	Graduate	Psychology	Coutanche	Learning	Investigating how neural representations during encoding predict later recall
58	Ward	Michael	Graduate	Neurological Surgery	Ghuman	Learning	Anterior Temporal Naming Area: a Patch Near the Anterior Tip of the Fusiform Causally Linked to Reading and Language