

Table 2. Participating Faculty Members

Name	Degree(s)	Rank	Primary Dept or Program	Research Interest	Training Role	Mentoring Record					
						Predoctorates			Postdoctorates		
						In Training	Graduated	Continued in Research or Related Careers	In Training	Completed Training	Continued in Research or Related Careers
Abel, Edwin Ted G.	PHD	Prof.	Neuroscience And Pharmacology	Learning, memory and sleep in mouse models	Other Preceptor	7	7	6	1	10	10
Aldridge, Georgina	MD, PHD	Asst. Prof.	Neurology	Transcranial imaging of anatomy and cellular activity in mouse dementia models	Preceptor	3	1	1	3	1	1
Aminzare, Zahra	PHD	Asst. Prof.	Mathematics	Synchronization patterns in networks of central pattern generators	Preceptor	2	1	1	1	1	1
Atasoy, Deniz	PHD	Asst. Prof.	Neuroscience And Pharmacology	Central pathways regulating appetite and glucose homeostasis	Preceptor	2	0	0	0	1	1

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Baker, Sheila A.	PHD	Assoc. Prof.	Biochemistry	Ion channel regulation in the photoreceptors and neurodegeneration	Exec. Comm. PD/PI Preceptor	0	4	4	0	2	2
Baran, Bengi	PHD	Asst. Prof.	Psychological And Brain Sciences	Understanding the role of sleep oscillations in cognition and emotional regulation and how these processes go awry in neuropsychiatric disorders	Other Comm. Preceptor	6	8	5	0	0	0
Bassuk, Alexander G.	MD, PHD	Prof.	Pediatrics	Neurogenetics	Preceptor	3	5	5	1	1	1
Blumberg, Mark S.	PHD	Prof.	Psychological And Brain Sciences	The development, neural mechanisms, and functions of sleep	Preceptor	4	5	3	0	2	1

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Boes, Aaron D.	MD, PHD	Assoc. Prof.	Pediatrics	Lesion mapping, neuromodulation	Preceptor	7	3	4	4	4	3
Boudreau, Ryan L.	PHD	Assoc. Prof.	Internal Medicine	Genetic and molecular mechanisms of disease	Preceptor	1	0	0	2	1	1
Buchanan, Gordon F.	MD, PHD	Assoc. Prof.	Neurology	Sudden unexpected death in epilepsy; basic mechanisms of sleep and epilepsy; interactions between sleep and time of day with epilepsy; effects of seizures on breathing	Exec. Comm. PD/PI Preceptor	12	21	21	1	5	5
Carter, Calvin	PHD	Asst. Prof.	Neuroscience And Pharmacology	Biological effects of electromagnetic fields	Exec. Comm. Other Comm. Preceptor	1	0	0	1	0	0

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Choi, Inyong	PHD	Assoc. Prof.	Communication Sciences And Disorders	Auditory system, cognitive neuroscience	Preceptor	3	1	1	2	2	2
Cui, Huxing	PHD	Asst. Prof.	Neuroscience And Pharmacology	Brain circuits regulating energy balance and sleep-wake behavior	Exec. Comm. Other Comm. Preceptor	0	1	1	2	2	2
Curtu, Rodica	PHD	Prof.	Mathematics	Computational neuroscience; auditory perception; neural mechanisms of timing	Other Comm. Preceptor	2	0	4	0	1	0
Demir-Lira, Ece	PHD	Asst. Prof.	Psychological And Brain Sciences	Developmental cognitive neuroscience, parent- child interactions, socioeconomic status, academic development, brain plasticity, prematurity	Preceptor	4	0	0	0	0	0

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Denburg, Natalie L.	PHD	Prof.	Neurology	Cognitive neuroscience of aging and dementia	Exec. Comm. Other Comm. Preceptor	3	8	8	5	5	4
Frank, Carl A.	PHD	Assoc. Prof.	Anatomy And Cell Biology	Synapse function	Preceptor	1	4	4	2	0	0
Freeman, John	PHD	Prof.	Psychological And Brain Sciences	Neural mechanisms of learning and memory in animal models	Preceptor	3	5	5	1	3	3
Gaine, Marie E.	PHD	Asst. Prof.	Pharmaceutical Scis And Experimental Therapeutic	The genetics and epigenetics underlying psychiatric disorders	Preceptor	1	0	0	0	0	0

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Gantz, Stephanie C.	PHD	Asst. Prof.	Molecular Physiology And Biophysics	Ion channel mechanisms of G protein coupled receptor signaling	Other Comm. Preceptor	3	0	0	0	0	0
Geerling, Joel C.	MD, PHD	Asst. Prof.	Neurology	Coma and consciousness; sleep/wake regulation; bladder control circuits; normal pressure hydrocephalus; Alzheimer's disease; frontotemporal dementia	Preceptor	2	1	1	0	1	1
Glykys, Joseph C.	PHD, MD	Assoc. Prof.	Pediatrics	Seizures, neuronal swelling, GABAergic transmission	Other Preceptor	2	0	0	2	0	0
Green, Steven H.	PHD	Prof.	Biology	Neurodegeneration caused by excitotoxic trauma or neuroinflammation in the cochlea	Other Preceptor	2	7	7	1	1	1

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Greenlee, Jeremy	MD	Prof.	Neurosurgery	Neural mechanisms of speech production	Preceptor	2	2	2	6	10	7
Harper, Matthew M.	PHD	Asst. Prof.	Ophthalmology And Visual Sciences	Traumatic brain injury	Preceptor	0	4	0	0	3	2
Harshman, Lyndsay A.	MD	Assoc. Prof.	Pediatrics	Brain growth and development; neuroimaging; plasticity; cognitive development	Exec. Comm. Other Comm. Preceptor	1	1	0	1	1	0
Hefti, Marco M.	MD	Asst. Prof.	Pathology	Neurodevelopment, neurodegenerative disease	Exec. Comm. Other Comm. Preceptor	3	1	1	0	0	0

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Hoth, Karin F.	PHD	Assoc. Prof.	Psychiatry	Mechanisms that impact brain structure and function in chronic cardiopulmonary diseases	Other Preceptor	2	6	6	1	2	2
Howard, Matthew A.	MD	Prof.	Neurosurgery	Neural basis of audition; Interventional pain management	Preceptor	2	3	3	2	4	4
Hultman, Rainbo	PHD	Asst. Prof.	Molecular Physiology And Biophysics	Brain network mechanisms of stress and migraine	Other Comm. Preceptor	2	0	0	0	0	0
Hwang, Kai	PHD	Asst. Prof.	Psychological And Brain Sciences	Neural mechanisms of cognitive control	Preceptor	2	0	0	0	0	0

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Jiang, Jiefeng	PHD	Asst. Prof.	Psychological And Brain Sciences	Cognitive neuroscience of cognitive control and higher-order executive functions	Other Comm. Preceptor	2	0	0	2	0	0
Jiang, Jing	PHD	Asst. Prof.	Pediatrics	Neurocognitive mechanisms underlying language and emotion in neuropsychiatric and neurodevelopmental disorders	Preceptor	1	0	0	1	1	0
Johnson, Alan K.	PHD	Prof.	Psychological And Brain Sciences	Neural control of body fluid homeostasis and blood pressure	Preceptor	1	11	11	0	3	3
Kitamoto, Toshihiro	PHD	Assoc. Prof.	Anesthesia	Genetic and environmental modifiers of neurological disorders	Other Comm. Preceptor	0	4	2	0	1	0

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Kliemann, Dorit	PHD	Asst. Prof.	Psychological And Brain Sciences	Social, cognitive and affective neuroscience; neurobiology of autism	Other Comm. Preceptor	3	0	0	0	0	0
Lalumiere, Ryan T.	PHD	Assoc. Prof.	Psychological And Brain Sciences	Neurobiology of drug addiction and memory consolidation	Other Preceptor	4	5	5	0	3	2
Lehmler, Hans-Joachim	PHD	Prof.	Occupational And Environmental Health	Neurotoxicity across the lifespan	Preceptor	2	3	3	4	4	4
Luo, Jia	PHD	Prof.	Pathology	Neurotoxicity	Preceptor	0	8	7	2	14	13

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Magnotta, Vincent A.	PHD	Prof.	Radiology	Novel imaging approaches for neurological brain disorders	Other Comm. Preceptor	1	4	2	0	5	5
Marcinkiewicz, Catherine A.	PHD	Asst. Prof.	Neuroscience And Pharmacology	Stress, alcohol and circuit mechanisms of chronic pain	Preceptor	3	0	0	6	1	1
McMurray, Bob	PHD	Prof.	Psychological And Brain Sciences	Speech and language comprehension, reading, lifespan development, language and hearing disorders	Preceptor	3	12	8	2	4	3
Narayanan, Nandakumar	MD, PHD	Assoc. Prof.	Neurology	Neuronal circuits of neuropsychiatric disease with a focus on cortical dopamine	Preceptor	3	4	4	3	8	6

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Newell, Elizabeth	MD	Asst. Prof.	Pediatrics	Impact and regulation of the neuroimmune response following traumatic brain injury	Preceptor	2	1	1	0	1	1
Niciu, Mark J.	MD, PHD	Asst. Prof.	Psychiatry	Pharmacological treatment and response biomarkers in major mood and substance use disorders	Other Comm. Preceptor	3	0	0	0	1	1
Nopoulos, Peggy C.	MD	Prof.	Psychiatry	Brain development, neuroimaging, plasticity	Other Preceptor	0	6	5	0	4	3
Nourski, Kirill V.	PHD, MD	Assoc. Prof.	Neurosurgery	Human auditory cortex physiology, consciousness	Other Comm. Preceptor	2	0	0	0	1	0

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Parker, Krystal L.	PHD	Asst. Prof.	Psychiatry	Neuroscience; Parkinson's disease; mice models	Exec. Comm. Other Comm. Preceptor	3	2	2	1	1	1
Petkov, Christopher I.	PHD	Prof.	Neurosurgery	Neurobiology of cognition, neuronal networks, recovery and compensation	Preceptor	3	8	7	5	12	10
Potthoff, Matthew J.	PHD	Assoc. Prof.	Neuroscience And Pharmacology	CNS control of body weight and energy homeostasis	Preceptor	6	5	5	1	3	3
Radley, Jason J.	PHD	Assoc. Prof.	Psychological And Brain Sciences	Behavioral neuroscience; stress; neural circuits; neuroendocrinology	Other Comm. Preceptor	3	3	3	0	0	0
Rahmouni, Kamal	PHD	Prof.	Neuroscience And Pharmacology	Pathways that control metabolic and cardiovascular functions	Preceptor	2	3	3	1	4	4

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Resch, Jon	PHD	Asst. Prof.	Neuroscience And Pharmacology	Neural control of appetite and metabolism	Other Comm. Preceptor	4	0	0	1	0	0
Richerson, George B.	MD, PHD	Prof.	Neurology	Epilepsy, CNS control of breathing, SUDEP, SIDS	Preceptor	3	6	4	2	6	4
Russo, Andrew F.	PHD	Prof.	Molecular Physiology And Biophysics	Molecular mechanisms of migraine	Preceptor	3	4	4	0	4	4
Sabharwal, Rasna	PHD	Asst. Prof.	Internal Medicine	Neurohumoral regulatory mechanisms in neurodegenerative diseases	Preceptor	1	0	0	2	3	3

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Sheffield, Val C.	MD, PHD	Prof.	Pediatrics	Molecular genetics of inherited blindness	Preceptor	2	9	9	1	4	4
Sluka, Kathleen A.	PHD	Prof.	Physical Therapy And Rehabilitation Science	Mechanisms of musculoskeletal pain and analgesia	Other Preceptor	3	5	5	1	11	10
Staber, Janice M.	MD	Assoc. Prof.	Pediatrics	Hemophilia; gene therapy; neurocognitive and psychiatric outcomes	Preceptor	3	4	2	2	5	1
Stevens, Hanna E.	MD, PHD	Assoc. Prof.	Psychiatry	Developmental neuroscience	Other Preceptor	3	5	4	1	2	2

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Strack, Stefan	PHD	Prof.	Neuroscience And Pharmacology	Mechanisms of neurodegenerative and neurodevelopmental disorders	Preceptor	2	5	4	0	2	2
Strathearn, Lane	PHD	Prof.	Pediatrics	Developmental, behavioral and genetic risk markers for autism	Other Comm. Preceptor	2	3	2	1	3	2
Summers, Daniel	PHD	Asst. Prof.	Biology	Neurodegeneration	Preceptor	4	0	0	0	0	0
Thorne, Peter S.	PHD	Prof.	Occupational And Environmental Health	Climate change and health; pulmonary toxicology; exposomics	Preceptor	6	10	9	0	7	7

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Tomchik, Seth M.	PHD	Prof.	Neuroscience And Pharmacology	Learning and memory, neurofibromatosis type 1, metabolism	Preceptor	1	1	1	3	1	1
Tranel, Daniel T.	PHD	Prof.	Neurology	Cognitive neuroscience; clinical and experimental neuropsychology	Exec. Comm. PD/PI Preceptor	6	23	22	4	9	9
Trapp, Nicholas T.	MD	Asst. Prof.	Psychiatry	Neuromodulation, mood disorders, neuropsychiatry, clinical trials, neuroimaging	Preceptor	3	0	0	1	0	0
Usachev, Yuriy M.	PHD	Prof.	Neuroscience And Pharmacology	Ca2+ signaling in chronic pain and neurodegeneration	Other Comm. Preceptor	2	5	5	0	5	5

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Voss, Michelle W.	PHD	Assoc. Prof.	Psychological And Brain Sciences	Cognitive neuroscience; brain structure-function relationships	Other Preceptor	4	4	4	1	1	1
Wang, Yangyang	PHD	Asst. Prof.	Mathematics	Dynamical systems; mathematical and computational neuroscience; differential equations	Preceptor	4	0	0	0	1	0
Wei, Shunguang	PHD	Assoc. Prof.	Internal Medicine	Neural control of autonomic regulation; neuroinflammatory mechanisms underlying sympathetic activation in cardiovascular diseases and PTSD	Preceptor	1	2	2	3	4	3
Welsh, Michael J.	MD, PHD	Prof.	Molecular Physiology And Biophysics	Lung biology, neuroscience, and disease	Preceptor	2	4	4	2	11	11

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Wemmie, John A.	MD, PHD	Prof.	Psychiatry	Brain pH, acid sensing ion channels, bipolar affective disorder, anxiety and substance use disorders	Preceptor	2	4	4	1	8	8
Wessel, Jan R.	PHD	Assoc. Prof.	Psychological And Brain Sciences	Neural mechanisms of cognitive control	Other Comm. Preceptor	5	2	1	2	2	1
Williams, Aislinn J.	MD, PHD	Asst. Prof.	Psychiatry	Molecular mechanisms of psychiatric risk genes	Preceptor	4	0	0	2	1	1
Wright, Michael E.	PHD	Assoc. Prof.	Molecular Physiology And Biophysics	Androgen-regulated signaling pathways in androgen-dependent pathologies	Preceptor	4	1	4	3	2	3

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Wu, Chun-Fang	PHD	Prof.	Biology	Neurogenetics of drosophila	Other Preceptor	3	2	2	5	5	5
Young, Samuel M.	PHD	Assoc. Prof.	Anatomy And Cell Biology	Molecular principles of auditory information processing; gene therapy for neurological disorders	Preceptor	4	2	2	3	8	8