Neuroscience & Physiology Graduate Program Faculty

Karen Adolph, PhD, Professor
Psychology and Neural Science
Behavioral flexibility in infants, children, and adults
http://psych.nyu.edu/adolph/

Cristina Alberini, PhD, Professor
Neural Science
Molecular mechanisms of long-term memory
http://www.cns.nyu.edu/corefaculty/Alberini.php

David Amodio, PhD, Associate Professor
Psychology and Neural Science
Mechanisms of social behavior and self-regulation
http://amodiolab.org/

Chiye Aoki, PhD, Professor
Neural Science and Biology
Neuronal plasticity in neocortex
http://www.cns.nyu.edu/corefaculty/Aoki.php

Thomas Blanck, MD, PhD, Professor
Anesthesiology (Chair) and Physiology & Neuroscience
Mechanisms of local anesthetic neurotoxicity
http://www.med.nyu.edu/biosketch/blanct02

Justin Blau, PhD, Associate Professor
Biology and Neural Science
Genetic control of circadian animal behaviors
http://biology.as.nyu.edu/object/JustinBlau.html

Stewart Bloomfield, PhD, Professor
Physiology & Neuroscience and Ophthalmology
Electrical synapses in the retina
http://www.med.nyu.edu/biosketch/blooms01

Steven Burden, PhD, Professor
Cell Biology and Pharmacology; Skirball Institute
Neuromuscular synapse formation
http://saturn.med.nyu.edu/research/mn/burdenlab

Gyorgy Buzsaki, MD, PhD, Professor
Physiology & Neuroscience, NYU Neuroscience Institute
Rhythms in neural networks
http://osiris.rutgers.edu/frontmid/indexmid.html

Thomas Carew, PhD, Professor and Dean
Neural Science
Molecular, cellular, and behavioral architecture of memory formation
http://www.cns.nyu.edu/corefaculty/Carew.php

Kenneth Carr, PhD, Associate Professor
Psychiatry and Pharmacology
Neurobiology of ingestive behavior and drug addiction
http://www.med.nyu.edu/biosketch/kc16

Marisa Carrasco, PhD, Professor
Psychology and Neural Science
Visual perception and attention
http://psych.nyu.edu/carrascolab/

Adam Carter, PhD, Assistant Professor
Neural Science
Cellular neurophysiology
http://www.cns.nyu.edu/labs/carterlab/Home.html

F. Xavier Castellanos, MD, Professor
Child & Adolescent Psychiatry, Radiology, and Physiology & Neuroscience
Neural basis of Attention-Deficit/Hyperactivity Disorder
http://www.med.nyu.edu/biosketch/castef01/

Moses Chao, PhD, Professor
Cell Biology, Physiology & Neuroscience, and Psychiatry; Skirball Institute
Mechanisms of neurotophin receptor signaling
http://saturn.med.nyu.edu/research/mn/chaolab

Mitchell Chesler, MD, PhD, Professor
Neurosurgery and Physiology & Neuroscience
Regulation and modulation of pH in the nervous system
http://www.med.nyu.edu/biosketch/cheslm01/

William Coetzee, PhD, Professor
Pediatrics, Physiology & Neuroscience, and Pharmacology
Cardiovascular membrane ion transport proteins
http://www.k-channels.com/coetzee/

Clayton Curtis, PhD, Assistant Professor
Psychology
Neural basis of cognitive control
http://clayspace.psych.nyu.edu/

Jeremy Dasen, PhD, Assistant Professor
Physiology & Neuroscience and Neural Science; Smilow Program
Genetic basis of neural circuit formation and function
http://www.med.nyu.edu/dasenlab/
Neuroscience & Physiology Graduate Program Faculty

Lila Davachi, PhD, Associate Professor
Psychology
Human memory formation
http://psych.nyu.edu/davachi/

Nathanial Daw, PhD, Assistant Professor
Neural Science and Psychology
Decision making and neuromodulation
http://www.cns.nyu.edu/corefaculty/Daw.php

Claude Desplan, PhD, Professor
Biology
Pattern formation and development of the visual system in Drosophila
http://www.nyu.edu/projects/desplan/

Andre Fenton, PhD, Professor
Neural Science
Molecular, neural, behavioral, and computational aspects of memory
http://www.cns.nyu.edu/corefaculty/Fenton.php

Gordon Fishell, PhD, Professor
Cell Biology; Smilow Program
Molecular and genetic origins of cortical interneuron diversity
http://www.med.nyu.edu/fishelllab/

Robert Froemke, PhD, Assistant Professor
Otolaryngology and Physiology & Neuroscience; Skirball Institute
Synaptic plasticity, cortical dynamics, and social behavior
http://froemkelab.med.nyu.edu/

Wenbiao Gan, PhD, Associate Professor
Physiology & Neuroscience; Skirball Institute
Imaging of synapse dynamics in vivo
http://saturn.med.nyu.edu/research/rn/ganlab

Esther Gardner, PhD, Professor
Physiology & Neuroscience
Sensory functions of the hand
http://www.med.nyu.edu/biosketch/gardne01#

Jorge Ghiso, PhD, Professor
Pathology and Psychiatry
Genetic and biochemical basis of Alzheimer’s Disease
http://www.med.nyu.edu/biosketch/ghisoj01/

Stephen Ginsberg, PhD, Associate Professor
Psychiatry and Physiology & Neuroscience; Nathan Kline Institute
Molecular and cellular substrates of neurodegeneration
http://www.med.nyu.edu/biosketch/ginsbs01/

Paul Glimcher, PhD, Professor
Neural Science, Economics, and Psychology
Neurobiological, economic, and psychological bases of decision making
http://www.cns.nyu.edu/labs/glimcherlab/

Oded Gonen, PhD, Professor
Radiology and Physiology & Neuroscience
Magnetic Resonance Spectroscopy tool development
http://www.med.nyu.edu/biosketch/goneno01/

Robert Grossman, MD, Professor and Dean
Radiology, Neurosurgery, Neurology, and Physiology & Neuroscience
Imaging of multiple sclerosis and brain injury
http://www.med.nyu.edu/biosketch/grossr03

Michael Hawken, PhD, Professor
Neural Science and Psychology
Neuronal mechanisms of visual perception
http://www.cns.nyu.edu/corefaculty/Hawken.php

David Heeger, PhD, Professor
Psychology and Neural Science
Functional imaging of the human brain, computational neuroscience, vision, and attention
http://www.cns.nyu.edu/heegerlab/

Charles Hoeffer, PhD, Assistant Professor
Physiology & Neuroscience; Smilow Program
Behavior and memory formation in mouse models of neurodevelopmental disorders
http://www.med.nyu.edu/biosketch/ch89

Kyonsoo Hong, PhD, Associate Professor
Biochemistry
Signaling mechanisms regulating axon guidance
http://www.med.nyu.edu/biosketch/hongk02/

Glyn Johnson, PhD, Associate Professor
Radiology and Physiology & Neuroscience
Functional imaging of brain tumors
http://www.med.nyu.edu/biosketch/johnsg01/
Neuroscience & Physiology Graduate Program Faculty

Lynne Kiorpes, PhD, Professor
Neural Science and Psychology
Development of visual function
http://www.cns.nyu.edu/labs/kiorpeslab/

Eric Klann, PhD, Professor
Neural Science
Molecular mechanisms of learning and memory
http://www.cns.nyu.edu/corefaculty/Klann.php

Michael Landy, PhD, Professor
Psychology and Neural Science
Visual perception and visual control of action
http://psych.nyu.edu/landy/

Eric Lang, MD, PhD, Associate Professor
Physiology & Neuroscience
Neuronal basis of motor control
http://www.med.nyu.edu/biosketch/lange01/

Joseph LeDoux, PhD, Professor
Neural Science and Psychology
Memory and emotion
http://www.cns.nyu.edu/labs/ledoulab/

Efrat Levy, PhD, Associate Professor
Psychiatry and Pharmacology; Nathan Kline
Molecular pathology of cerebral amyloidosis
http://www.med.nyu.edu/biosketch/levye01/

Dayu Lin, PhD, Assistant Professor
Psychiatry and Physiology & Neuroscience; Smilow Program
Neural circuits that underlie social behaviors
http://linlab.med.nyu.edu/

Rodolfo Llinas, MD, PhD, Professor
Physiology & Neuroscience
Intrinsic properties of neurons
http://www.med.nyu.edu/biosketch/llinar01

Michael Long, PhD, Assistant Professor
Otolaryngology and Physiology & Neuroscience; Smilow Program
Cellular and circuit mechanisms of complex, learned motor behaviors
http://longlab.med.nyu.edu/

Laurence Maloney, PhD, Professor
Psychology and Neural Science
Visual perception, decision making, and movement planning
http://psych.nyu.edu/maloney/

Richard Margolis, MD, PhD, Professor
Pharmacology
Structure and function of nervous tissue proteoglycans
http://www.med.nyu.edu/biosketch/margor01

Charles Marmar, MD, Professor
Psychiatry (Chair)
Factors contributing to posttraumatic stress disorder
http://www.med.nyu.edu/biosketch/marmac01

Paul Mathews, PhD, Assistant Professor
Psychiatry; Nathan Kline
The endosomal/lysosomal system in neurodegeneration
http://www.med.nyu.edu/biosketch/mathep01/

J. Anthony Movshon, PhD, Professor
Neural Science (Chair) and Psychology
Vision and visual development
http://www.cns.nyu.edu/corefaculty/Movshon.php

Ralph Nixon, MD, PhD, Professor
Psychiatry and Cell Biology; Nathan Kline
Protein processing and trafficking in the pathogenesis of Alzheimer’s Disease and aging
http://www.med.nyu.edu/biosketch/nixonr01/

Masuo Ohno, PhD, Associate Professor
Psychiatry; Nathan Kline
Molecular, cellular, and systems neuroscience of learning, memory, and dementia
http://cdr.rfmh.org/Personalpages/faculty/Ohno.html

Denis Pelli, PhD, Professor
Psychology and Neural Science
Object recognition and sensitivity
http://psych.nyu.edu/pelli/

Bijan Pesaran, PhD, Assistant Professor
Neural Science
Neuronal dynamics and decision making
http://www.cns.nyu.edu/corefaculty/Pesaran.php
Elizabeth Phelps, PhD, Professor
Psychology and Neural Science
Interactions between human memory and emotion
http://www.psych.nyu.edu/phelps/

Dimitris Placantonakis, MD, PhD, Assistant Professor
Neurosurgery
Neurogenesis, gliomagenesis and neuropsychiatric disorders
http://placantonakislab.med.nyu.edu/

David Poeppel, PhD, Professor
Psychology and Neural Science
Neuronal and cognitive basis for speech perception
http://psych.nyu.edu/clash/poeppellab/

Alex Reyes, PhD, Associate Professor
Neural Science
Functional interactions of neurons in a network
http://www.cns.nyu.edu/corefaculty/Reyes.php

John Rinzel, PhD, Professor
Neural Science and Mathematics
Biophysical mechanisms and theoretical foundations of neural computations
http://www.cns.nyu.edu/corefaculty/Rinzel.php

Margaret Rice, PhD, Professor
Neurosurgery and Physiology & Neuroscience
Neurochemistry and neurophysiology of the nigrostriatal dopamine pathway
http://www.med.nyu.edu/biosketch/ricem01/

Niels Ringstad, PhD, Assistant Professor
Cell Biology; Skirball Institute
Neurochemical signaling pathways modulating behaviors
http://saturn.med.nyu.edu/research/mn/ringstadlab

Nava Rubin, PhD, Associate Professor
Neural Science and Psychology
Visual perception and the neural basis of vision
http://www.cns.nyu.edu/corefaculty/Rubin.php

Bernardo Rudy, MD, PhD, Professor
Physiology & Neuroscience and Biochemistry; Smilow Program
Molecular mechanisms regulating neuronal excitability
http://www.med.nyu.edu/biosketch/rudyb01

James Salzer, MD, PhD, Professor
Cell Biology and Neurology; Smilow Program
Interactions between myelin and axons and their disruption in demyelinating disorders
http://salzerlab.med.nyu.edu/

Dan Sanes, PhD, Professor
Neural Science and Biology
Development and plasticity of the auditory system
http://www.cns.nyu.edu/corefaculty/Sanes.php

Helen Scharfman, PhD, Professor
Child & Adolescent Psychiatry, Physiology & Neuroscience, and Psychiatry; Nathan Kline Institute
Neuronal excitability and its role in disorders of the nervous system
http://www.scharfmanlab.com/

Malcolm Semple, Professor and Vice Dean
Neural Science and Psychology
Neurobiology of hearing
http://www.cns.nyu.edu/corefaculty/Semple.php

Robert Shapley, PhD, Professor
Neural Science, Psychology, and Biology
Visual physiology and perception
http://www.cns.nyu.edu/corefaculty/Shapley.php

Einar Sigurdsson, PhD, Associate Professor
Physiology & Neuroscience and Psychiatry
Age-related degenerative diseases
http://sigurdsson-lab.med.nyu.edu/

Eero Simoncelli, PhD, Professor
Neural Science and Mathematics
Computational vision
http://www.cns.nyu.edu/labs/simoncellilab/

John Simpson, PhD, Professor
Physiology & Neuroscience
Sensorimotor integration, eye movements, and the cerebellum
http://www.med.nyu.edu/biosketch/simpsj01
Neuroscience & Physiology Graduate Program Faculty

Daniel Sodickson, MD, PhD, Associate Professor
Radiology and Physiology & Neuroscience
Advances in MR imaging techniques and technologies
http://www.med.nyu.edu/biosketch/sodicd01/

Greg Suh, PhD, Assistant Professor
Cell Biology; Skirball Institute
Neural circuits mediating innate behaviors
http://saturn.med.nyu.edu/research/mn/suhlab

Regina Sullivan, PhD, Research Professor
Child & Adolescent Psychiatry; Nathan Kline
Neurobiology of infant attachment
http://www.aboutourkids.org/about_us/staff/research_faculty/regina_m_sullivan

Wendy Suzuki, PhD, Professor
Neural Science and Psychology
Organization of memory in the medial temporal lobe and the effects of exercise on learning, memory and cognition
http://www.wendysuzuki.com/

Jessica Treisman, PhD, Professor
Cell Biology; Skirball Institute
Pattern formation in the Drosophila visual system
http://saturn.med.nyu.edu/research/dg/treismanlab

Richard Tsien, DPhil, Professor
Physiology & Neuroscience (Chair), Neuroscience Institute (Director)
Signaling mechanisms linking activity to cytoplasmic events
http://www.stanford.edu/group/Tsienlab/

Daniel Turnbull, PhD, Professor
Radiology and Pathology; Skirball Institute
Ultrasound and Magnetic Resonance Microimaging of transgenic mice
http://saturn.med.nyu.edu/research/sb/turnbulllab

Donald Wilson, PhD, Research Professor
Child & Adolescent Psychiatry; Nathan Kline
Discrimination and memory for odors
http://faculty-staff.ou.edu/W/Donald.A.Wilson-1/

Thomas Wisniewski, MD, Professor
Neurology, Pathology, and Psychiatry
Pathogenesis of Alzheimer’s and prion diseases
http://www.med.nyu.edu/biosketch/wisnit01/

Edward Ziff, PhD, Professor
Biochemistry
Molecular mechanisms of synaptic regulation
http://www.med.nyu.edu/biochem/labs/Ziff/