

Below is a brief listing of the most frequently asked for research categories for training applications:

<u>Bioengineering</u>	<u>Brain and Spinal Cord Injury</u>	<u>Channels, Synapses and Circuits</u>
<u>Cognitive Neuroscience</u>	<u>Computational Neuroscience</u>	<u>Epidemiology/Biostatistics</u>
<u>Epilepsy and Epileptogenesis</u>	<u>Developmental and Genetic Research</u>	<u>Lysosomal Storage Disease</u>
<u>Neurodegeneration</u>	<u>Neuroimmunology/Autoimmune</u>	<u>Neuroprotection/Neurotoxicology</u>
<u>Pain</u>	<u>Pediatric Neurology</u>	<u>Rehabilitation</u>
<u>Stem Cell</u>	<u>Stroke</u>	<u>Systems Neuroscience</u>

Bioengineering

Jim Gnadt (gnadtjw@ninds.nih.gov) – Sensory systems, neuroendocrine, computational neuroscience, prosthetics
Kip Ludwig (kip.ludwig@nih.gov) – neural prosthesis/technology, machine interface and implanted devices, nanotechnology

Brain and Spinal Cord Injury

Ramona Hicks (hicksra@ninds.nih.gov) – basic, translation and clinical studies of traumatic brain injury
Deborah Hirtz (hirtzd@ninds.nih.gov) – pediatric head trauma
Scott Janis (janiss@ninds.nih.gov) – clinical trials in traumatic brain injury

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Channels, Synapses and Circuits

Jane Fountain (fountain@ninds.nih.gov) – brain tumor, Tuberous Sclerosis, glial cell biology
Laura Mamounas (mamounal@ninds.nih.gov) – dendritic growth and plasticity
Jill Morris (jill.morris@nih.gov) – glial development, myelination, vanishing white matter disease
Shai Silberberg (silberbs@ninds.nih.gov) – channels, transporters and pumps, channelopathy
Randy Stewart (stwearr@ninds.nih.gov) – basic structure and function of channels, structural biology
Ned Talley (talleye@ninds.nih.gov) – synaptic transmission, plasticity, structure, development and regeneration
Ursula Utz (utz@ninds.nih.gov) – glial cell biology, myelin formation in the CNS

Cognitive Neuroscience

Deb Babcock (dbabcock@ninds.nih.gov) – behavioral and cognitive neuroscience, neuroimaging, CNS plasticity
Ramona Hicks (hicksra@ninds.nih.gov) – cognitive/emotional domains affected by TBI
Claudia Moy (moyc@ninds.nih.gov) – epidemiology and clinical studies in cognition

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Computational Neuroscience

Jim Gnadt (gnadtjw@ninds.nih.gov) – Sensory systems, neuroendocrine, computational neuroscience, prosthetics
Yuan Liu (liuyuan@ninds.nih.gov) – computational neuroscience, neuroinformatics programs and initiatives, international activities

Epidemiology/Biostatistics

Peter Gilbert (gilbert@ninds.nih.gov) – biostatistics and clinical trial design
Claudia Moy (moyc@ninds.nih.gov) – clinical trial design, quality of life and other patient-reported outcome measures

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Epilepsy & Epileptogenesis

Janice Cordell (cordellj@ninds.nih.gov) – clinical trials and epidemiology

Brandy Fureman (furmanb@ninds.nih.gov) – basic, translational and clinical studies

Deborah Hirtz (hirtzd@ninds.nih.gov) – pediatric epilepsy

Randy Stewart (stwartr@ninds.nih.gov) seizure prediction, proteomics, DNA microarrays

Lysosomal Storage Disease & Rare Disease

John Porter (porterjo@ninds.nih.gov)

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Neurodegeneration

Robin Conwit (conwitr@ninds.nih.gov) – ALS clinical trials

Roderick Corriveau (roderick.corriveau@nih.gov) – Alzheimer's disease, vascular dementias

Wendy Galpern (galpernw@ninds.nih.gov) – clinical trials and epidemiology in neurodegenerative disorders

Amelie Gubitz (gubitza@ninds.nih.gov) – Amyotrophic Lateral Sclerosis

Katrina Gwinn (Katrina.gwinn@nih.gov) – Parkinson's disease biomarkers

Beth-Anne Sieber (sieberb@ninds.nih.gov) – Parkinson's disease (molecular genetics, DBS)

Margaret Sutherland (sutherlandm@ninds.nih.gov) – Parkinson's, Huntington's, Frontotemporal dementia

Genetic and Developmental Research

Katrina Gwinn (katrina.gwinn@nih.gov) – developmental disorders, clinical neurology, ethical/legal implications

Laura Mamounas (mamounal@ninds.nih.gov) – Tourette syndrome, signal transduction in development & repair

Jill Morris (jill.morris@nih.gov) – mid-/hind-brain development/malformations, hydrocephalus, Spina Bifida

John Porter (porterjo@ninds.nih.gov) – muscular dystrophies, spinal muscular atrophy, inherited neuropathies

Robert Riddle (riddler@ninds.nih.gov) – developmental neuroscience, Fragile X, Down Syndrome

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Neuroimmunology/Autoimmune

Ursula Utz (utz@ninds.nih.gov) – systems lupus, multiple sclerosis

May Wong (wongm@ninds.nih.gov) – Neuro-AIDS, infectious disease, neurovirology

Neuroprotection

Francesca Bosetti (frances@ninds.nih.gov) – neuroprotection and brain hypoxia/ischemia

Robin Conwit (conwitr@ninds.nih.gov) – clinical trials on neuroprotection and intervention.

Neurotoxicology/Counterterrorism

David Jett (jett@ninds.nih.gov) – NIH Counterterrorism (CounterACT) program, Molecular Libraries, neurotoxicology

Jim Stables (stablesj@ninds.nih.gov) – anti-convulsant screening, neurotoxicology

David Yeung (yeungd@ninds.nih.gov) – Counterterrorism (CounterACT) program, CounterACT R21 grants

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Pain

Linda Porter (porterl@ninds.nih.gov) – Pain, pain management, neuroimaging, perception, migraine

Pediatric Neurology

Deborah Hirtz (hirtzd@ninds.nih.gov) – clinical studies, cerebral palsy prevention, autism, head trauma, hydrocephalus

Rehabilitation

Daofen Chen (chend@ninds.nih.gov) – Sensorimotor functions, rehabilitation, systems based technology

Stem Cells

Jane Fountain (fountain@ninds.nih.gov) – Cell growth and differentiation related to brain tumor development and treatment.
David Owens (owensd@ninds.nih.gov) – Stem and progenitor cell biology in nervous system development and function, application/treatment, tissue engineering

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Stroke

Francesca Bosetti (frances@ninds.nih.gov) – neuronal mechanisms, ischemic stroke, functional recovery, apoptosis and cell death
Janice Cordell (cordelli@ninds.nih.gov) – clinical trials and epidemiology
Tom Jacobs (jacobst@ninds.nih.gov) – ischemic and hemorrhagic stroke, blood brain barrier
Scott Janis (janiss@ninds.nih.gov) – clinical trials and epidemiology, cerebrovascular disease, SPOTRIAS, NETT
Claudia Moy (moyc@ninds.nih.gov) – clinical trials and epidemiology studies, aneurysm, AVMs
Joanne Odenkirchen (odenkirj@ninds.nih.gov) – clinical trials and epidemiology study in stroke, myasthenia gravis
Salina Waddy (waddysp@ninds.nih.gov) – disparities intervention studies, health disparities research

Systems Neuroscience

Jim Gnadt (gnadtjw@ninds.nih.gov) – Sensory systems, neuroendocrine, computational neuroscience, prosthetics
Merrill Mitler (mitlerm@ninds.nih.gov) – Sleep disturbances, feeding, body weight, obesity, diabetic neuropathy

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