

UCI Neurology Faculty Research 2023

Faculty	Research Area
Yama Akbari	Coma and consciousness (humans & animals); focal (stroke) and global (cardiac arrest) ischemia/reperfusion; multimodal monitoring of acute brain injury including quantitative EEG and optical imaging of cerebral blood flow & metabolism (including NIRS-based funduscopy for retinal blood flow as a window to the brain); arousal pathways; www.akbarilab.org https://www.faculty.uci.edu/profile.cfm?faculty_id=5924
Tallie Z. Baram	Brain Plasticity, early-life stress & seizures and cognitive and mental health vulnerabilities. Experimental models, humans; epigenetics, chemogenetics, circ https://scholar.google.com/citations?user=7jICvRYAAAAJ&hl=en
Daniela Bota	Neuro-oncology; cognitive dysfunction in brain tumor patients receiving chemotherapy; https://scholar.google.com/citations?user=CJGHIj8AAAAJ&hl=en&oi=ao
Alexander Brandt	Translational Neuroimmunology and Neuroimaging, Multiple Sclerosis (MS), Neuromyelitis optica spectrum disorders (NMOSD), Myelin oligodendrocyte glycoprotein associated disease (MOGAD), Quantitative MRI, Optical Coherent Tomography (OCT), the afferent visual system and visual function in MS and related disorders. https://scholar.google.com/citations?user=Kr5kiMkAAAAJ&hl=en
Patrick Chen	Research Interests: Traumatic Brain Injury, Concussion & Post-Concussive Syndrome, Brain Health, Long Term TBI Outcomes, Invasive Multimodal Monitoring, Data analysis & Machine Learning https://scholar.google.com/citations?user=b75YmeYAAAAJ&hl=en
Maria Corrada	Epidemiology of aging and dementia, oldest-old, biostatistics; https://scholar.google.com/citations?user=fxZHCV8AAAAJ&hl=en&oi=ao ; https://www.mind.uci.edu/research-studies/90plus-study/
Cyrus Dastur	Neurocritical Care, intracerebral hemorrhage (ICH), subarachnoid hemorrhage (SAH), status epilepticus
Michael Demetriou	Neuroimmunology, T-cell dysfunction in Multiple Sclerosis, glycoproteins and autoimmunity; https://scholar.google.com/citations?user=v7n6_oAAAAJ&hl=en
An Do	Brain-computer interfaces, spinal cord injury, neural engineering, biomedical devices, cultured neural networks derived from iPSCs; https://scholar.google.com/citations?user=oNzzxt0AAAAJ&hl=en&oi=sra ; http://faculty.sites.uci.edu/ucibci/

Faculty	Research Area
Ali Ezzati	Data science, neuroepidemiology, and bioinformatics, with a focus in Headache Disorders and Alzheimer's Disease. https://scholar.google.com/citations?hl=en&user=ugvK2t0AAAAJ&view_op=links&sortby=pubdate
Mark Fisher	Mechanisms of stroke, cerebral microbleeds, blood-brain barrier, cerebral small vessel disease, intracranial atherosclerosis, cardiogenic stroke and the left atria septal pouch, brain-kidney relationship, legal aspects of stroke, and stroke prevention-preventable stroke
Lisa Flanagan	Neural stem cell fate potential, neural stem cell interactions with vasculature, glioblastoma https://scholar.google.com/citations?user=Mfl8-FsAAAAJ&hl=en http://faculty.sites.uci.edu/flanaganlab/
Namita Goyal	Neuromuscular disorders, amyotrophic lateral sclerosis (ALS), clinical trials including stem cell transplant, inherited myopathies, inflammatory myopathies including inclusion body myositis
Leonid Groysman	Neurocritical Care, stem cell transplant clinical trials for stroke
Ali Habib	Neuromuscular disorders
Sanaz Attaripour Isfahani	Movement disorders: Natural history and Phenotyping/Genotyping of neurological disorders (esp. movement disorders), Clinical uses of Botulinum toxin injection, Deep brain stimulation Development of technology for application in movement disorders: Medical applications, Training models, Validation and digitalization of neurologic examination Human motor control: Neurophysiology of will, intention and decision Quality improvement: Healthcare workers' wellbeing and burn-out
Brian Jung	Epilepsy, adult-onset mesial temporal lobe epilepsy, autoimmune epilepsy, neuromodulation
Manisha Korb	Neuromuscular disorders, autonomic disorders
Grace Kao	Neuro-ophthalmology, headache in veterans, Botox
Claudia Kawas	Brain aging and dementia, geriatric neurology, epidemiology; https://scholar.google.com/citations?hl=en&user=Nlw1KCUAAAAJ ; https://www.mind.uci.edu/research-studies/90plus-study/
Virginia Kimonis	The overall goal of the research in the Kimonis Lab is performing translational studies for rare hereditary neuromuscular disorders in particular inclusion body myopathy http://www.pediatrics.uci.edu/kimonis/spotlights/kimonis-welcome.asp

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Xiao-Tang Kong	Neuro-oncology, http://www.faculty.uci.edu/profile.cfm?faculty_id=6303
Al La Spada	SBMA, SCA7, HD, ALS, Alzheimer disease, Parkinson disease mechanisms a therapy development https://laspadalab.medschool.uci.edu/
Frank LaFerla	Molecular biology of Alzheimer's disease and neurodegenerative disorders, lea and memory; http://faculty.sites.uci.edu/laferla/
Mark Mapstone	Neuropsychology, blood biomarkers of neurodegenerative disease, metabolomics, proteomics, Down syndrome http://www.faculty.uci.edu/profile.cfm?faculty_id=6360
Lilit Mnatsakanyan	Neurophysiology: Epilepsy, EEG, SSEP, intraoperative neuromonitoring, functi mapping
Anna Morenkova	Movement disorders, dystonia, tremor, DBS, psychogenic movement disorders botulinum toxin injections in movement disorders and other disorders with foca muscle hyperactivity
Tahseen Mozaffar	Neuromuscular disorders, rare diseases, inherited myopathies, inflammatory myopathies including inclusion body myositis, ALS; https://scholar.google.com/citations?user=vT7igyUAAAAJ&hl=en&oi=ao
Nicolas Phielipp	Movement disorders, Parkinson's disease, Parkinson's disease biomarkers, dystonia, deep brain stimulation, transcranial magnetic stimulation; https://scholar.google.com/citations?user=Gmmdb1gAAAAJ&hl=en&oi=ao
Kurt Qing	Quantitative EEG analysis for multiple applications including epilepsy, cognition disorders of altered consciousness. Cortical mapping and neurostimulation. Sig processing, big data and automation
Ahmad Sajjadi	Degenerative brain disease (Alzheimer's, frontotemporal dementia), neuro-linguistics, neuroimaging, neuropsychology, neuropathology https://scholar.google.com/citations?hl=en&user=5VZiAhsAAAAJ https://faculty.sites.uci.edu/sajjadalab/dr-sajjadi/
Mona Sazgar	Epilepsy, women with epilepsy, epilepsy surgery; https://scholar.google.com/citations?user=1tDN2n4AAAAJ&hl=en&oi=ao
Steve Schreiber	Neurodegeneration, Alzheimer's disease, selective neuronal degeneration, Telehealth; http://www.anatomy.uci.edu/schreiber.html
Mohammed Shafie	Stroke, vascular neurology
Jay Shah	Stroke
Pawan Singh	Neuro-Oncology
Sara Stern-Nezer	Neurocritical Care
David Swope	Movement disorders, Parkinson's disease, parkinsonism, dystonia, tremor

Faculty	Research Area
Michael Sy	Multiple sclerosis, glycobiology and oligodendrocyte function
Gaby Thai	General Neurology
Armando Villalta	<p>The overall goal of the research in the Villalta Lab is directed at understanding the immune system contributes to the pathogenesis of inherited and acquired neuromuscular disorders.</p> <p>https://www.immunology.uci.edu/profiles/villalta-armando.asp https://scholar.google.com/citations?hl=en&user=uEvaalwAAAAJ</p>
Annabel Wang	Polyneuropathy, autonomic neuropathy, myasthenia gravis
John Weiss	<p>Excitotoxicity, ALS, neurodegeneration in both in vivo and in vitro models; https://scholar.google.com/citations?user=LMWdu0YAAAAJ&hl=en&oi=ao http://www.anatomy.uci.edu/weiss.html</p>
Changrui Xiao	Neurogenetic disorders and adults with inherited metabolic diseases. Genetic and genomic testing. Rare disease diagnosis, management, and transitional care.
Michael Yassa	<p>Learning and memory, functional MRI, aging, Alzheimer's disease; https://scholar.google.com/citations?user=ILDGkagAAAAJ&hl=en&oi=ao http://faculty.sites.uci.edu/myassa/</p>
Wengui Yu	<p>Stroke, coma, basilar artery stenosis, lipid mediators; https://scholar.google.com/citations?user=5Xf1zJkAAAAJ&hl=en&oi=ao</p>