



NOVEMBER 2022

UAB Department Of Neurology Francis And Ingeborg Heide Schumann Fellowship Update



2022 Schumann Fellow: Dr. Rebeka Sipma

Dr. Sipma joined UAB after completing neurology residency at University of California, San Diego. Her focus during fellowship is to hone her skills a clinician, educator, and researcher. She has a growing interest in management of dystonia and has always been passionate about educating patients and caregivers. Throughout her career, Dr. Sipma hopes to continue helping other trainees foster similar interests.

PREVIOUS SCHUMANN FELLOWS



SARAH BREAUX, M.D.

Dr. Breaux joined UAB from Louisiana State University Health Sciences Center. She strongly believes in the importance of patient education and emphasis on positive lifestyle changes in conjunction to medical treatment. Her focus at UAB is focused on deep brain stimulation and Botox injections for the treatment of Parkinson's disease and related movement disorders with the ultimate goal of maintaining patient quality of life.



ADEEL ALI MEMON, M.D.

Dr. Memon's long-term career goal is to become a leader in intraoperative microelectrode recordings and to lead both clinical and research teams to study circuit dysfunction in movement disorders. His current fellowship through the NIH/NINDS R25-Ph.D. trainee award allows him to work towards these goals.



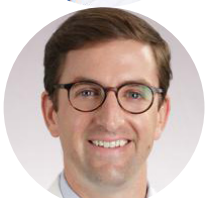
HILLARY WILLIAMS, M.D.

Dr. Williams has interests in Functional Movement Disorders, hoping to investigate multidisciplinary approaches to treatment in this patient population. She has a passion for teaching and hopes to empower patients through education and community outreach, as well as foster interest in Neurology among budding medical students. Dr. Williams is now an Assistant Professor of Neurology at the University of Arkansas.



MARISSA DEAN, M.D.

Dr. Dean is fascinated by the impact of genetics on movement disorders. She is currently involved in several clinical research trials for patients with Huntington's Disease, Parkinson's Disease, and the hereditary ataxias. Dr. Dean is an Assistant Professor of Neurology and Director of Movement Disorders Education at UAB.



JASON CROWELL, M.D.

Dr. Crowell is interested in how neurologists can become better advocates for patients with neurodegenerative disorders. As part of an advocacy leadership course through the American Academy of Neurology, his initial project is to create evidence-based exercise courses for patients with Parkinson's disease.



BEN MCCULLOUGH, M.D.

Dr. McCullough is from the University of South Alabama College of Medicine where he conducted research on Nephrotic Syndrome in infants studying a large family's genetics where clinical evaluation showed visual impairment and ataxia, a movement disorder. His work at UAB is focused on deep brain stimulation and Botox injections for the treatment of Parkinson's disease and related movement disorders.



SARAH PEREZ, M.D.

Dr. Perez joined UAB from Louisiana State University Health Sciences Center. She currently works with the Memory Disorders and Behavior Neurology Division in multiple clinical trials for potentially disease modifying therapies for Alzheimer's disease, Progressive Supranuclear Palsy, and Cortical Basal Degeneration. Dr. Perez is involved in several clinical trials for Parkinson's disease and related movement disorders.



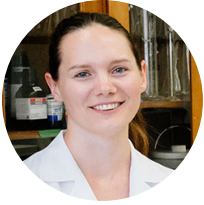
BECKY ANPRASERTPORN, M.D.

Dr. Anprasertporn focuses on deep brain stimulation and botox treatments for movement disorders patients. She has been recognized for her patient care capabilities and dedication to academic medicine. Dr. Anprasertporn is a neurologist at St. Luke's in Kansas City.



NEDA HIDARILAK, M.D.

Dr. Hidarilak has conducted research examining the effectiveness of Botox injections on migraines, tension and cluster headaches and explored physical therapy strategies as potential tools to reduce disabilities in Parkinson's disease patients. Dr. Hidarilak is an Assistant Professor of Neurology at Tulane.



KAREN ESKOW JAUNARAJS, PH.D.

Dr. Jaunarajs is studying the causes and effects of inflammation in the brain. She conducts her research in Dr. David Standaert's lab and has gained knowledge about how brain inflammation is related to neurological diseases. Through these findings, research labs within our department have advanced their findings in LRRK2 and Alpha-synuclein which both bring promising advancements in treatment developments. Dr. Jaunarajs is an Assistant Professor of Neurology at UAB,



JERI WILLIAMS, M.D.

Dr. Williams' research and clinical interests are in the areas of dystonia as well as Parkinson's disease and Parkinson's Plus Syndromes, especially Progressive Supranuclear Palsy. She currently has a movement disorders private practice in Bakersfield, California. Dr. Williams is a neurologist practicing in Bakersfield, California.



AMY AMARA, M.D., PH.D.

Dr. Amara is focused on sleep dysfunction in patients with Parkinson's disease. She is currently conducting a study evaluating the effects of deep brain stimulation on sleep in patients with Parkinson's disease. She also has an interest in the link between REM sleep Behavior Disorder and neurodegenerative diseases. Additionally, Dr. Amara is very involved in the evaluation and treatment of patients with movement disorders and sleep disorders and in the education of students and residents. Dr. Amara is an Associate Professor of Neurology at UAB.



RYAN WALSH, M.D., PH.D.

While at UAB, Dr. Walsh developed an MRI-based analysis of structural and functional brain networks underlying cognitive dysfunction in Parkinson's disease. He joined the Cleveland Clinic Lou Ruvo Center for Brain Health in 2011 as inaugural Director of the Parkinson's Disease and Movement Disorders Program and developed several new programs, such as the development of clinical trial and investigator-initiated research in Parkinson's disease. Dr. Walsh is an Associate Professor at Barrow Neurological Institute.



ROHIT DHALL, M.D., MSPH

Dr. Dhall works with the Parkinson's Institute and Clinical Center in Sunnyvale, California, after previously working with the Barrow Neurological Institute in Phoenix, Arizona. His focus has been on DBS patient evaluation and surgery, studying underlying factors and treatment response in Parkinson's disease, and training the next generation of Parkinson's disease researchers and Movement Disorders Specialists. Dr. Dhall is a Professor of Neurology at the University of Arkansas



HARRISON WALKER, M.D.

Dr. Walker investigates how deep brain stimulation (DBS) works using a multimodal approach that integrates electrophysiology, neuroimaging, and behavioral measurement in patients with movement disorders. DBS has proved to be more effective than medical therapy for the motor symptoms of Parkinson's disease, dystonia, and essential tremor, yet its therapeutic mechanism is unknown. Through understanding how the therapeutic mechanism of DBS relates to clinical outcomes, we can improve patient care and treatment options for those with certain neurological diseases. Dr. Walker is a Professor of Neurology at UAB.



ANNE-MARIE WILLS, M.D., MPH

Dr. Wills specializes in neurodegenerative diseases such as Parkinson's Disease and ALS. Her research focuses on environmental risk factors and determinants of neurodegenerative disease progression, including nutrition, caffeine, and pesticides. Dr. Wills is an Assistant Professor of Neurology at Harvard.



PENNY HALLETT, PH.D.

Dr. Hallett's research interests focus on the regulation of synapses, protein regulatory pathways, and neuroimmune interactions in neurodegenerative diseases with a focus on Parkinson's and Huntington's diseases. She also studies neurorestorative treatment paradigms for Parkinson's disease. Dr. Hallett is an Associate Professor of Psychiatry at Harvard.



PLEASE ACCEPT OUR THANKS

Your support of the Francis and Ingeborg Heide Schumann Fellowship enables us to attract promising neurologists with an interest in Parkinson's disease to join our team of world class physicians and scientists. The fellowship not only bolsters Parkinson's disease research activity at UAB, but also provides an immersive training experience that produces a sub-specialty trained neurologist with expertise in Parkinson's disease research and patient care.

With the support of individuals like you, our efforts will continue to progress toward disease-modifying treatments and an eventual cure for Parkinson's disease. I am most appreciative of your continued support of our work. Please accept my sincere thanks for your ongoing investment in the Francis and Ingeborg Heide Schumann Fellowship. If you have any questions or if there is anything I can do for you, please let me know.

Sincerely,

David G. Standaert, M.D., Ph.D.

OUR IMPACT ON PARKINSON'S DISEASE

1 UAB has grown to one of the leading Parkinson Disease Research Centers in the world, with support from a broad range of sources including NIH, MJFF, and APDA. Total funding for Parkinson disease research exceeds \$5 million per year.

2 Based on discoveries in the labs, UAB has advanced drug development programs targeting treatments to slow or prevent Parkinson disease.

3 UAB is widely recognized for Parkinson disease clinical care and research programs, providing treatment through more than 6,000 patient visits a year, access to cutting edge clinical trials, and training in the next generation of Parkinson disease specialists.

FOR MORE INFORMATION

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