
BIOGRAPHICAL SKETCH

NAME: David Isaacs

eRA COMMONS USER NAME (credential, e.g., agency login): isaacsd

POSITION TITLE: Assistant Professor of Neurology, Vanderbilt University Medical Center

EDUCATION/TRAINING:

INSTITUTION AND LOCATION	DEGREE	Completion Date	FIELD OF STUDY
University of Southern Indiana, Evansville, IN	B.S.	05/2007	Biophysics
Indiana University School of Medicine, Indianapolis, IN	M.D.	05/2011	Medicine
Vanderbilt University Medical Center, Nashville, TN		06/2015	Neurology Residency
Vanderbilt University Medical Center, Nashville, TN		06/2016	Movement Disorders Fellowship
Vanderbilt University Medical Center, Nashville, TN	M.P.H.	05/2019	Public Health

A. Personal Statement

I am a neurologist with movement disorders fellowship training. Clinically, I am involved in Vanderbilt's Parkinson's Disease Center of Excellence, Huntington's Disease Center of Excellence, and Movement Disorders Clinic. I founded an adult Tourette's Syndrome Clinic at my institution and am collaborating to establish a Tourette's Syndrome Center of Excellence. My research interests focus on (1) sensory and other non-motor aspects of Tourette's syndrome, (2) non-motor manifestations of Huntington's Disease, and (3) clinical outcomes of deep brain stimulation in movement disorders. I am actively involved in clinical trials in several movement disorders, including pediatric Tourette's syndrome (site PI for ARTISTS2), Parkinson's disease (site PI for Duoglobe), cervical dystonia (rater and sub-I for ASPEN), Huntington's disease (rater and sub-I for WAVE and GENERATION-HD1), and others. In addition to my clinical and research roles, I recently completed a Master's of Public Health degree to further my formal training in clinical trials methodology and statistical analysis.

B. Positions and Honors

Positions and Employment

- 2016 - Assistant Professor of Neurology, Division of Movement Disorders
Vanderbilt University Medical Center, Nashville, TN
- 2018 - Assistant Professor of Pediatrics, Division of Pediatric Neurology
Vanderbilt University Medical Center, Nashville, TN

Professional Memberships

- 2009 - 2011 Alpha Omega Alpha Honor Society
2010 - 2011 Gold Humanism Honor Society
2015 - Movement Disorders Society

Honors:

- 2014 - 2015 Chief Resident of Adult Neurology, Vanderbilt University Medical Center
2015 Medical Student Teaching Award, Department of Neurology, Vanderbilt University Medical Center
2015 James Tru Martin Award, Department of Neurology, Vanderbilt University Medical Center

C. Contributions to Science

Parkinson's Disease:

Tolleson C, Turchan M, van Wouwe N, **Isaacs D**, Phibbs F, Wylie S. Parkinson's Disease Subtypes Show Distinct Tradeoffs Between Response Initiation and Inhibition Latencies. *Journal of the International Neuropsychological Society*. Cambridge University Press; 2017;23(8):665–74. PMID: 28850018; PMCID: unavailable

Claassen DO, Dobolyi DG, **Isaacs DA**, Roman OC, Herb J, Wylie SA, et al. Linear and Curvilinear Trajectories of Cortical Loss with Advancing Age and Disease Duration in Parkinson's Disease. *Aging Dis*. 2016;7(3):220-9. PMCID: PMC4898918

Herb JN, Rane S, **Isaacs DA**, Van Wouwe N, Roman OC, Landman BA, et al. Cortical Implications of Advancing Age and Disease Duration in Parkinson's Disease Patients with Postural Instability and Gait Dysfunction. *J Parkinsons Dis*. 2016;6(2):441-51. PMCID: PMC5826542

Deep Brain Stimulation:

Isaacs D, Butler J, Sukul V, Rodriguez W, Pallavaram S, Tolleson C, Fang J, Phibbs F, Yu H, Konrad P, Hedera P. Confined Thalamic Deep Brain Stimulation in Refractory Essential Tremor. *Stereotact Funct Neurosurg*. 2018;96(5):296-304. PMID: 30453287; PMCID: unavailable

Sukul V, **Isaacs DA**, Pallavaram S, Rodriguez W, Butler J, Yu H, et al. 136 Field-Steering Rescue Lead Therapy for Patients With Essential Tremor Refractory to Ventralis Intermedius Deep Brain Stimulation. *Neurosurgery*. 2016;63 Suppl 1:155-6.

Other Movement Disorders and Cognitive Syndromes:

Isaacs DA, Claassen DO, Bowman AB, Hedera P. Phenotypic Discordance in Siblings with Identical Compound Heterozygous *PARK2* Mutations. *Brain Sciences*. 2017, 7(7), 71. PMCID: PMC5532584

Isaacs D, Bradshaw M, Brown K, Hedera P. Case report of novel *CACNA1A* gene mutation causing episodic ataxia type 2. *SAGE Open Medical Case Reports*. 2017. PMCID: PMC5431607

Isaacs DA, Hedera P. Speech-activated Myoclonus Mimicking Stuttering in a Patient with Myoclonus-Dystonia Syndrome. *Tremor Other Hyperkinet Mov (NY)*. 2016; 6:405. PMCID: PMC4930628

Isaacs D, Cmelak A, Kirschner AN, Phibbs F. Radiotherapy-induced hemichorea. *Neurology*. 2016;86(14):1355-7. PMID: 26944270; PMCID: unavailable

Isaacs D, Olmez I, Claassen DO. Adult-onset adrenoleukodystrophy presenting after chemotherapy: No black and white matter. *Neurology: Clinical Practice [Internet]*. 2013. PMCID: PMC5765618

D. Additional Information: Research Support

Investigator-Initiated Research Support:

Teva Pharmaceuticals Isaacs (co-PI) 2018 - 2020
"Efficacy of Neuropsychiatric Assessment and Treatment Protocols in Huntington's Disease Patients."
NCT 03417583

This investigator-initiated grant (Protocol TV50717-NDG-60286) focuses on 1) development and implementation of screening instruments for neuropsychiatric symptoms in Huntington's disease and 2) algorithm-based, longitudinal management strategies to address these symptoms and enhance patient quality of life.

Vanderbilt Clinical and Translational Science Award Isaacs (PI) 2019 - 2021
"Sensory Symptoms in Tourette Syndrome, Longitudinal Assessment"
NCT 03851484

This is a 3-year longitudinal study obtaining annual patient-reported outcomes (validated tic, psychiatric, and sensory symptom questionnaires) for a projected cohort of 75 patients in order to better understand the temporal course of sensory symptoms and their clinical correlates.

Industry-Initiated Research Support:

Abbvie Isaacs (site PI) 2016 - 2019
"DUOdopa / Duopa in Patients with Advanced Parkinson's Disease (PD) – a GLObal OBServational Study Evaluating Long-Term Effectiveness (DUOGLOBE)."
NCT 0261713

Teva Pharmaceuticals Isaacs (site PI) 2018 -
"A Study to Test if TEV-50717 is Effective in Relieving Tics Associated with Tourette Syndrome (ARTISTS2)"
NCT 03571256