

A. LeBRON PAIGE, MD, MSBME

CURRICULUM VITAE

EDUCATION

M.D.	The University of Miami School of Medicine Miami, Florida	1998
M.S.	The University of Miami Biomedical Engineering Coral Gables, Florida	1994
B.S.	The University of Tennessee at Knoxville Digital Computer Systems Design Concentration Engineering Co-Op Program Knoxville, Tennessee	1985
B.A.	The University of Tennessee at Knoxville Double Major: Chemistry & Biology Knoxville, Tennessee	1982

CLINICAL TRAINING

Fellow (Epilepsy & Clinical Neurophysiology) Yale University School of Medicine New Haven, Connecticut	2002-2004
Chief Resident (General Neurology) Yale University School of Medicine New Haven, Connecticut	2001-2002
Resident (General Neurology) Yale University School of Medicine New Haven, Connecticut	1999-2002
Intern (Internal Medicine) Yale University School of Medicine New Haven, Connecticut	1998-1999

PROFESSIONAL EXPERIENCE

Consultant Biodynamic Research Corporation, San Antonio, Texas	2018-Present
Epileptologist Covenant Health System, Knoxville, Tennessee Director - Fort Sanders Regional Epilepsy Center Director - Fort Sanders Regional Hospital EEG Laboratory	2021-2022
Epileptologist Erlanger Health System, Chattanooga, Tennessee Director - UT Erlanger Epilepsy Center Director - UT Erlanger Hospital EEG Laboratory	2016-2017
Associate Professor - Neurology University of Iowa College of Medicine, Iowa City, Iowa Director - UIHC EEG & Evoked Potentials Laboratory Director - Epilepsy Fellowship Program	2012-2016
Assistant Professor – Neurology & Biomedical Engineering, University of Alabama at Birmingham (UAB) School of Medicine Director - EEG Laboratories at UAB Hospital Director - Critical Care EEG Service, UAB Hospital Director - UAB Outpatient Epilepsy Services, Kirklin Clinic	2004-2012
Research Associate Retinitis Pigmentosa Center, Bascom Palmer Eye Institute The University of Miami School of Medicine, Miami, Florida	1993-1994
Systems Design Engineer Pentastar Electronics, Inc., Huntsville, Alabama	1990-1991
Lead Engineer Digital Design Engineer SCI Technology, Inc., Huntsville, Alabama	1988-1990 1987-1988
Experimental Systems Engineer Pratt & Whitney Aircraft Company, West Palm Beach, Florida	1985-1987

APPOINTMENTS/QUALIFICATIONS

Clinical Adjunct Faculty
Lincoln Memorial University 2021-Present

Clinical Adjunct Professor
USAF School of Aerospace Medicine 2019-Present

Clinical Instructor
the University of Tennessee at Chattanooga 2016-2017

BOARD AND SUB-SPECIALTY CERTIFICATIONS

American Board of Psychiatry & Neurology 2020

American Board of Clinical Neurophysiology 2010

American Society of Neuroimaging 2006

PROFESSIONAL REGISTRATIONS

Florida Medical Doctor Expert Witness Certification
Certificate #MEEW6713 2019-Present

Accreditation Commission for Traffic Accident
Reconstruction (ACTAR)
Registration #3645 2018-Present

New York Board of Medicine
Medical License #303951 2020-Present

Tennessee Board of Medical Examiners
Medical License #53983 2016-Present

Iowa Board of Medical Examiners
Medical License #40146 2012-Present

PROFESSIONAL AFFILIATIONS

Association of the Advancement of Automotive Medicine 2018

Biomedical Engineering Society 2018

Society of Automotive Engineers 2018

American Epilepsy Society 2000

American Academy of Neurology 2000

American Clinical Neurophysiology Society 2000

PROFESSIONAL ACTIVITIES

63 rd Stapp Car Crash Conference San Antonio, Texas	2019
Biomedical Engineering Society Annual Meeting Philadelphia, Pennsylvania	2019
Traffic Crash Reconstruction I & II	2018
Traffic Crash Investigation II	2018
Northwestern University Center for Public Safety Evanston, Illinois	

SERVICE, ACHIEVEMENT, AND AWARDS

Member, Professional Advisory Board Epilepsy Foundation of East Tennessee	2021-Present
Judge, Annual Biomedical Engineering Society Case Competition – The University of Texas, Department of Biomedical Engineering, Austin, Texas	2018, 2019, 2020
Fellow, American Epilepsy Society (FAES)	2016
Member, Board of Directors, Midwest YouCan Foundation	2015-Present
Medical Director & on-site “Camp Doc” Camp YouCan, Omaha, Nebraska	2014-Present
Member, Board of Directors	2013-2019
Chair, Ethics & Discipline Committee	2014-2019
American Board of Registry in Electroneurodiagnostic Technology	
Member, Iowa Community Council Epilepsy Foundation of Iowa	2012-2016
Member, Board of Directors, Glenwood Autism and Behavioral Health Center, Birmingham, Alabama	2011-2012
Member, Executive Committee, Board of Directors	2009-2012
Chair, Professional Advisory Board	2010-2012
Epilepsy Foundation of Alabama	
Coordinator, UAB Neuroengineering Conference	2008-2012

Merritt-Putnam National Clinical Research Fellowship Awarded by the Epilepsy Foundation of America	2002-2003
American Epilepsy Society Young Investigator Award 54 th Annual AES Meeting, Los Angeles, California	2000
Awardee, Best Student Research Presentation “Rapid Acquisition and Tracking of Evoked Potentials by Two-Dimensional Spectral Filtering”, 6th Annual IEEE Symposium on Computer-Based Medical Systems, Ann Arbor, Michigan	1993
President, University of Miami Student Section, Biomedical Engineering Society (BMES)	1992-1994

PRESENTATIONS AND INVITED LECTURES

Grand Rounds, Department of Internal Medicine, LeConte Hospital, Covenant Health System, “Seizures & Epilepsy: An Update for General Practitioners,” Sevierville, TN, January 20, 2022

Invited Lecture, Michigan Society of Electroneurodiagnostic Technologists (MSET), “Prion Disease: What EEG Technologists Need to Know,” Annual Fall Conference, East Lansing, MI, October 19, 2019

Invited Lecture, American Society of Electroneurodiagnostic Technologists (ASET), “Non-Epileptic Events in the Epilepsy Monitoring Unit,” 60th Annual Meeting, Kansas City, MO, August 15, 2019

Invited Lecture, Quality Living, Inc. Medical Staff Update Meeting, “Epilepsy & Seizures in the Rehabilitation Environment,” (QLI), Omaha, NE, June 6, 2018

Invited Lecture, UT-Chattanooga College of Medicine, Neurology Grand Rounds. “Continuous EEG Monitoring of TBI in the ICU – The Literature,” Erlanger Hospital, Chattanooga, TN, November 16, 2017

Invited Lecture, 2nd Annual Erlanger Neuroscience Acute Care Symposium. “Diagnosis & Treatment of TBI-Related Seizures in the Acute Care Setting,” Chattanooga Convention Center, TN, October 20, 2017

Invited Lecture, Chattanooga Area Brain Injury Association Annual Meeting. “Is it a Seizure or a Spell after TBI?” Chattanooga, TN, April 26, 2017

Invited Lecture, American Society of Electroneurodiagnostic Technologists (ASET), EEG Boot Camp. “EEG in Traumatic Neurological Disorders and Coma,” UAB Hospital, Birmingham, AL, April 23, 2017

Invited Lecture, Vanderbilt Neurodiagnostic Technology Program. “New Diagnostic Methods in Pre-surgical Evaluation: Stereo EEG,” Vanderbilt University School of Medicine, Nashville, TN, November 29, 2016

Invited Lecture, First Annual Acute NeuroCare Symposium & Expo. “Epilepsy in the Emergency Setting – Recognition and Response,” Chattanooga Convention Center, Chattanooga, TN, November 4, 2016

Grand Rounds, Neurology Division, Ochsner Health System. “Less Invasive Surgical Options in Refractory Epilepsy,” New Orleans, LA, July 2015

Genesis Hospital Health Minute – Epilepsy, 60-second public service announcement regarding the recognition and response to epileptic seizures, appearing on the Fox Network affiliate in Davenport, IA, February 2015
<https://www.youtube.com/watch?v=BMqiAGCXI9A&feature=youtu.be>

Grand Rounds, Department of Neurology, Mary Greeley Medical Center. “Epilepsy Diagnosis & Treatment: Five New Things Every Physician Should Know,” Ames, IA, November 5, 2014
<https://www.youtube.com/watch?v=pMPzyKPK3gI>

Annual Neurology Update, Iowa Neurological Association Annual Meeting, “New Treatment Options in Refractory Epilepsy & Better Utilization of Existing Options,” Iowa City, IA, October 19, 2013

Grand Rounds, Department of Neurology, Genesis Medical Center. “Making a case for Epilepsy Surgery,” Davenport, IA, March 27, 2013

Biomedical Engineering Society (BMES) Seminar, Georgia Institute of Technology, Department of Biomedical Engineering, “New Engineering Solutions to the Challenges of Surgical Treatment for Epilepsy,” Whitaker Auditorium, Atlanta, GA, November 8, 2011

Research Meeting, University of Iowa, Magnetic Resonance Research Facility (MRRF), “Applications of Magnetic Resonance Imaging in Epilepsy,” Iowa City, IA, May 14, 2012

Guest Speaker, Howard Hughes Medical Institute (HHMI) Summer Research Seminar, “The Scientific and Clinical Basis of Epilepsy Surgery,” UAB Department of Neuroscience, Birmingham, AL, June 11, 2008

Southern EEG and Epilepsy Society (SEEGS) Annual Meeting, “Clinical Methods in Distinguishing Primary Generalized Epilepsy from Frontal Lobe Epilepsy,” Naples, FL, May 13, 2006

Grand Rounds, Department of Internal Medicine, UAB Montgomery, “The Past, Present, and Future of Electrical Brain Stimulation for the Treatment of Focal Epilepsy,” Montgomery, AL, November 17, 2005

Biomedical Engineering Society (BMES) Seminar, University of Miami Department of Biomedical Engineering, “Functional Brain Imaging in Epilepsy Pre-Surgical Evaluation,” Coral Gables, FL, September 13, 2003

Grand Rounds, Department of Neurology, Yale University School of Medicine, “Cortical-Subcortical Network Interaction in Temporal Lobe Epilepsy,” Brady Auditorium, New Haven, CT, May 15, 2003

Grand Rounds, Department of Neurology, Yale University School of Medicine, “Adult-Onset Rasmussen’s Syndrome: A Case Study,” Fitkin Amphitheater, New Haven, CT, January 2, 2001

Podium Presentation, “A New 2-D Technique for Rapid Acquisition and Tracking of Evoked Potentials”, 25th Eastern Student Research Forum, University of Miami School of Medicine, Miami, FL, March 21, 1997

PUBLICATIONS AND ABSTRACTS

Patents:

Paige A. L., Higgins A., McCarthy C., Sharp A., A Seizure Identification Systems, Associated Devices & Methods, United States Patent Application No. 62/137,662, Filed: March 24, 2015

Book Chapters:

Paige, A. L. and A. E. Cavanna, Brain Imaging and Alterations of Consciousness in Epilepsy: Generalized Tonic-clonic Seizures, in *The Neuroimaging of Consciousness*, Andrea E. Cavanna, Andrea Nani, Hal Blumenfeld, and Steven Laureys, Editors, Springer-Verlag: Berlin (2013).

Kim, H., Paige, A. L., Knowlton, R. C., Advances in Structural and Functional Neuroimaging: How Are These Guiding Epilepsy Surgery?, in *Epilepsy: Mechanisms, Models, and Translational Perspectives*, J.M. Rho, R. Sankar, and J.E. Cavazos, Editors, CRC Press: Boca Raton, Florida (2010).

Journal Articles:

Davis, M. C., Broadwater, D. R., Mathews, W. H., Paige, A. L., DeWolfe, J. D., Elgavish, R. A., Riley, K. O., Ver Hoef, L. W., Statistical Modeling of ICEEG Features that Determine Resection Planning, *Clinical Neurology & Neurosurgery*, 147: pp. 18-23, (2016).

Ver Hoef, L.W., Paige, A. L., Riley, K. O., Cure, J., Soltani, M., Williams, F. B., Kennedy, R., Szaflarski, J. P., Knowlton, R. C., Evaluating hippocampal internal architecture on MRI: inter-rater reliability of a proposed scoring system, *Epilepsy Research*, 106(1-2): pp. 146-54, (2013).

Varghese, G. I., Purcaro, M. J., Motelow, J. E., Enev, M., McNally, K. A., Levin, A. R., Hirsch, L. J., Tikofsky, R., Paige, A. L., Zubal, I. G., Spencer, S. S., Blumenfeld (2009). Clinical use of ictal SPECT in secondarily generalized tonic-clonic seizures. *Brain*, 132(Pt 8): pp. 2102-13, (Aug 2009)

Knowlton, R. C., Razdan, S. N., Limdi, N., Elgavish, R. A., Killen, J., Blount, J., Burneo, J. G., Ver Hoef, L., Paige, A. L., Faught, E. Kankirawatana, P., Riley, K., Kuzniecky, R., The Effect of epilepsy magnet source imaging on intracranial electrode placement, *Annals of Neurology*, 65(6): pp.716-23, (2009)

Blumenfeld H., Varghese G., Purcaro M. J., Motelow J. E., Enev M., McNally K. A., Levin A. R., Hirsch L., Tikofsky R., Zubal I. G., Paige A. L., Spencer S. S., Cortical and subcortical networks in human secondarily generalized tonic-clonic seizures. *Brain*, 132(4): pp. 999-1012, (April 2009)

Knowlton, R. C., Elgavish, R. A., Limdi, N., Bartolucci, A., Ojha, B., Blount, J., Burneo, J.G., Ver Hoef, L., Paige, A. L., Faught, R. E., Kankirawatana, R., Riley., Kuzniecky, R., Functional Imaging: II. Prediction of epilepsy surgery outcome, *Annals of Neurology*, 64(1): pp. 35-41 (2008)

Knowlton, R. C., Elgavish, R. A., Limdi, N., Bartolucci, A., Ojha, B., Blount, J., Burneo, J. G., Ver Hoef, L., Paige, A. L., Faught, R. E., Kankirawatana, R., Riley., Kuzniecky, R., Functional Imaging: I. Predictive value of intracranial electroencephalography, *Annals of Neurology*, 64(1): pp. 25-34, (2008)

Griffith H. L., Martin R. C., Andrews S., Paige A. L., Ware J., Faught R. E., Welty T., The Safety and Tolerability of Galantamine in Patients with Epilepsy and Memory Difficulties, *Epilepsy & Behavior*, 13(2): pp. 376–380, (August 2008)

Richardson E. J., Griffith H. R., Martin R. C., Paige A. L., Stewart C. C., Jones J., Hermann B. P., Seidenberg M., Structural and functional neuroimaging correlates of depression in temporal lobe epilepsy, *Epilepsy & Behavior*, 10(2): pp. 242-249, (March 2007)

Limdi N. A., Knowlton R. K., Cofield S., Ver Hoef L., Paige A. L., Dutta S., Faught E., Safety of rapid intravenous loading of valproic acid (VPA), *Epilepsia*, 48(3): pp. 478-483, (March 2007)

McNally K. A., Paige A. L., Varghese G., Zhang H., Novotny E. J., Spencer S. S., Zubal I. G., Blumenfeld H., Localizing value of Ictal-interictal SPECT Analysis using SPM (ISAS), *Epilepsia (Cover Article)*, 46(9): pp.1450–1464, (September 2005)

Blumenfeld H., McNally K. A., Vanderhill S. D., Paige A. L., Chung R., Davis K., Norden A. D., Stokking R., Studholme C., Novotny E. J., Zubal I. G., Spencer S. S., Positive and negative network correlations in temporal lobe epilepsy. *Cerebral Cortex*, 14(8): pp. 892-902, (2004)

Paige A. L., Özdamar Ö., Delgado R. E., Two-Dimensional spectral processing of sequential evoked potentials, *Journal of Medical & Biological Engineering & Computing*, 34; pp. 239-243, (1996)

Abstracts:

Berg M., Privitera M., Diaz F., Dworetzky B., Elder E., Gidal B., Krebill R., McBee N., Pollard J., Paige L., Szaflarski J., Bolger P., Welty T., EQUIvalence among GENeric AEDs (EQUIGEN): Single-dose study, Proceedings of the 69th Annual Meeting of the American Epilepsy Society. Philadelphia, Pennsylvania, 2015

Eliza S. A., Paige A. L., Haider M. R., A Field-Referenced Surface Electrode for Biosignal Detection, Proceedings of the 8th International Conference on Electrical and Computer Engineering (ICECE 2014), Dhaka, Bangladesh, December 2014

Berg M., Diaz F., Bolger P., Dworetzky B., Elder E., Gidal B., Jiang W., Krebill R., McBee N., Paige A.L., Pollard J., Szaflarski J., Welty T., Privitera M., Equivalence Among Generic AEDs (EQUIGEN) - Single-Dose Study, Proceedings of the 68th Annual Meeting of the American Epilepsy Society. Seattle, Washington, 2014

Eliza S.A., Paige A.L., Haider M.R., A Low-Cost Field-Addressable Surface Electrode Array for Biosignal Detection, 8th Workshop on Frontier Electronics (WOFE-2013), San Juan, Puerto Rico, 2013

Paige A., Miller J., Lee K., Ojha B., Kar J., Knowlton R., ISAS Inter-Rater Agreement is Superior to SISCOM and raw SPECT on Measures of Localization and Diagnostic Conclusiveness, Proceedings of the 64th Annual Meeting of the American Epilepsy Society. San Antonio, Texas, 2010

Paige A., Knowlton R., Howell J., Kankirawatana K., The Utility of Ictal-Interictal SPECT Analyzed by SPM (ISAS) in Pediatric Patients, Proceedings of the 60th Annual Meeting of the American Epilepsy Society, San Diego, California, 2006

Paige A., McNally K., Zupal G., Novotny E., Spencer S., Blumenfeld H., Importance Of True Ictal SPECT In Localizing Temporal And Extra-Temporal Epilepsy, Proceedings of the 58th Annual Meeting of the American Epilepsy Society, New Orleans, Louisiana, 2004

Paige A., Bradley C., Chang D., Studholme C., Stokking R., Norden A, Zupal G., Spencer S., Blumenfeld H., SPECT Ictal-Interictal Difference Imaging Reveals Thalamic and Brainstem Reticular Formation Involvement in Seizures, *Epilepsia* 41 (Suppl. 7): 68, 2000

Paige A., Özdamar Ö., Delgado R., Rapid Estimation of ABR Latency-Intensity Plots Using Two-Dimensional Spectral Filtering, Association for Research in Otolaryngology (ARO), Mid-Winter Meeting, St. Petersburg Beach, Florida. February 2-6, 1997 (Poster Session CC5-#837)

EDITORIAL BOARDS & REVIEW COMMITTEES

2019 Annual Meeting

(Abstract Review, Biomedical Engineering Society)

Epilepsy Research

(Reviewer, David M. Treiman, MD, Editor-in-Chief)

Journal of Clinical Neurophysiology

(Reviewer, Aatif M. Husain, MD, Editor-in-Chief)