

CURRICULUM VITAE

Chad Carlson MD

**Professor
Department of Neurology
Division of General**

OFFICE ADDRESS:

Froedtert West Clinics
9200 W Wisconsin Ave
Milwaukee, WI 53226

EDUCATION:

09/1992 - 05/1997 B.A. with Honors in German Literature., University of Wisconsin - Madison, Madison, WI
06/1996 - 05/2000 M.D., University of Wisconsin - Madison School of Medicine, Madison, WI

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

07/01/2000 - 06/30/2001 Internship (Categorical), Department of Internal Medicine, University of Illinois - Urbana/Champaign, Urbana, IL
07/01/2001 - 06/30/2004 Neurology Resident, Department of Neurology, University of Iowa Hospitals and Clinics, Iowa City, IA
07/01/2003 - 06/30/2004 Chief Resident, Department of Neurology, University of Iowa Hospitals and Clinics, Iowa City, IA
07/01/2004 - 06/30/2005 Clinical Neurophysiology Fellow, Department of Neurology, Epilepsy Division, New York University School of Medicine, New York City, NY
07/01/2005 - 06/30/2006 Epilepsy/Epilepsy Surgery Fellow, Department of Neurology, Epilepsy Division, New York University School of Medicine, New York City, NY

FACULTY APPOINTMENTS:

03/2006 - 01/2008 Instructor, Department of Neurology, Epilepsy Division, New York University School of Medicine, New York City, NY
01/2008 - 12/14/2012 Assistant Professor, Department of Neurology, Epilepsy Division, New York University School of Medicine, New York City, NY
12/14/2012 - Present Adjunct Assistant Professor, Department of Neurology, Epilepsy Division, New York University School of Medicine, New York City, NY
01/15/2013 - 06/30/2019 Associate Professor, Department of Neurology, Epilepsy Division, Medical College of Wisconsin, Milwaukee, WI 53226
07/01/2019 - Present Professor, Department of Neurology, Epilepsy Division, Medical College of Wisconsin, Milwaukee, WI 53226

EDUCATIONAL ADMINISTRATIVE APPOINTMENTS:

01/01/2011 - 12/14/2012 Fellowship Associate Program Director, Neurology, Clinical Neurophysiology Fellowship, New York University School of Medicine, New York City, NY
07/01/2013 - 06/30/2022 Fellowship Program Director, Neurology, Clinical Neurophysiology Fellowship, Medical College of Wisconsin, Milwaukee, WI
06/15/2014 - Present Residency Program Director, Neurology, Neurology Residency, Medical College of Wisconsin, Milwaukee, WI
07/01/2016 - 06/30/2022 Fellowship Program Director, Neurology, Epilepsy Fellowship, Medical College of Wisconsin, Milwaukee, WI
10/01/2020 - Present Vice Chair - Education, Neurology, Medical College of Wisconsin, Milwaukee, WI
07/01/2022 - Present Fellowship Associate Program Director, Neurology, Clinical Neurophysiology

Fellowship, Medical College of Wisconsin, Milwaukee, WI
07/01/2022 - Present Fellowship Associate Program Director, Neurology, Epilepsy Fellowship, Medical College of Wisconsin, Milwaukee, WI

HOSPITAL AND CLINICAL ADMINISTRATIVE APPOINTMENTS:

03/2006 - 12/14/2012 Director of the Epilepsy Special Procedures Service, Neurology, Epilepsy, New York University Langone Medical Center, New York City, NY
01/2011 - 12/14/2012 Director of the Video EEG Laboratory, Neurology, Epilepsy, New York University Langone Medical Center, New York City, NY
01/14/2013 - Present Co-Director of the Epilepsy Program, Neurology, Epilepsy, Froedtert Hospital., Milwaukee, WI
07/01/2013 - 07/01/2014 Associate Vice Chair for Quality, Department of Neurology, Epilepsy Division, Froedtert Memorial Lutheran Hospital., Milwaukee, WI

HOSPITAL STAFF PRIVILEGES:

03/2006 - 12/14/2012 Attending Physician, Department of Neurology, Epilepsy Division, New York University Langone Medical Center, 530 1st Avenue, New York City, NY 10016
01/14/2013 - Present Attending Physician, Department of Neurology, Epilepsy Division, Froedtert Memorial Lutheran Hospital, 9200 W. Wisconsin Ave, Milwaukee, WI 53122

SPECIALTY BOARDS AND CERTIFICATION:

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
Neurology	04/01/2005	12/30/2025
Clinical Neurophysiology	05/01/2007	12/30/2027
Epilepsy	10/28/2013	10/28/2023

AWARDS AND HONORS:

1993 Medical Scholars Summer Research Award, University of Wisconsin - Madison
1994 Hilldale Undergraduate Research Award, University of Wisconsin - Madison
1995 Delta Phi Alpha, German National Honor Society
1996 University Bookstore Academic Excellence Award for independent study/research achievement, University of Wisconsin - Madison
1996 Peter and Emily Lound Scholarship awarded based on leadership and service to the Medical Scholars Program, University of Wisconsin - Madison
2003 Travel Award for the International Geriatric Epilepsy Symposium
2010 - 2013 Junior Steward NINDS Benchmark Stewards Contributor, NINDS and the American Epilepsy Society
07/01/2013 - 06/30/2014 Highest Scoring Providers for Patient Satisfaction (FY 2014), Froedtert & The Medical College of Wisconsin
10/28/2013 - 06/16/2014 Faculty Scholars Program in Quality and Patient Safety, Froedtert Memorial Lutheran Hospital and the Medical College of Wisconsin.
2014 - 2020 Best Doctors in America: Neurology
06/05/2015 Distinguished Service Award presented by the Neurology Residents for teaching and programmatic development, Medical College of Wisconsin
07/01/2015 - 06/30/2016 Top 15 Highest Scoring Providers for Patient Satisfaction (FY 2016), Froedtert & The Medical College of Wisconsin
2015 - 2024 Top Doctors: Neurology, American Registry/Castle Connolly
04/16/2016 A. B. Baker Teacher Recognition National Honor Roll, American Academy of Neurology
06/03/2016 Special Recognition Award presented by the Neurology Residents for excellence in leadership, guidance, mentoring, and teaching, Medical College of Wisconsin
07/01/2016 - 06/30/2017 Outstanding Medical Student Teacher for 2016-2017, Medical College of Wisconsin
07/01/2016 - 06/30/2017 Patient Satisfaction Survey highest scoring providers (FY 2017), Froedtert & The Medical College of Wisconsin
07/01/2017 - 06/30/2018 Top Patient Experience Award (FY 2018), Froedtert & The Medical College of Wisconsin

07/01/2017 - 06/30/2018 Outstanding Medical Student Teacher for 2017-2018, Medical College of Wisconsin
06/19/2020 Special Recognition Award presented by the Graduating Neurology Residents for providing excellence in leadership, guidance, mentoring and teaching, Medical College of Wisconsin
12/23/2020 Fellow, American Academy of Neurology
2021 Residency-Fellowship Program Director Recognition Award, American Academy of Neurology
06/17/2022 Distinguished Service Award presented by the Graduating Neurology Residents for providing continuous support and positive change for the residents and residency program, Medical College of Wisconsin
2022 - 2023 Milwaukee Top Doctors: Neurology

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

2001 - 12/22/2020 American Academy of Neurology (Member)
2003 - Present American Epilepsy Society (Member)
12/23/2020 - Present American Academy of Neurology (Fellow)
09/23/2021 - Present Medical College of Wisconsin Society of Teaching Scholars (Member)

EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:

Editorship
01/01/2009 - 12/31/2017 Contributing Editor. Epilepsy Currents
Editorial Board
06/01/2016 - 12/31/2017 Epilepsia-Open
Journal Review
Epilepsia
Human Brain Mapping
Journal of Neurosciences in Rural Practice
Journal of Neural Transmission
PLOS One
Journal Review (ad hoc)
Journal of Neurology, Neurosurgery & Psychiatry
Epilepsy & Behavior

LOCAL/REGIONAL APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

07/01/2014 - 06/30/2022 Chair, Neurophysiology Clinical Competency Committee, Medical College of Wisconsin
07/01/2014 - Present Chair, Neurology Program Evaluation Committee, Medical College of Wisconsin
07/01/2014 - 06/30/2022 Chair, Neurophysiology Program Evaluation Committee, Medical College of Wisconsin
07/01/2014 - Present Chair, Neurology Clinical Competency Committee, Medical College of Wisconsin
07/01/2015 - 06/30/2017 Chair, Annual Institutional Review Committee, Medical College of Wisconsin Affiliated Hospitals
07/01/2016 - 06/30/2022 Chair, Epilepsy Clinical Competency Committee, Medical College of Wisconsin
07/01/2016 - 06/30/2022 Chair, Epilepsy Program Evaluation Committee, Medical College of Wisconsin
11/01/2018 - 01/01/2020 Chair, New Innovations Advisory Committee, Medical College of Wisconsin Affiliated Hospitals
11/01/2022 - Present Chair, GMEC: Education Subcommittee, Medical College of Wisconsin Affiliated Hospitals

NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

10/01/2012 - 12/31/2015 Vice Chair, Q-PULSE Committee, American Epilepsy Society
01/01/2016 - 12/31/2018 Chair, Q-PULSE Committee, American Epilepsy Society
11/22/2019 - 06/30/2021 Working Group Member, Epilepsy Milestones 2.0 Working Group, Accreditation Council for Graduate Medical Education (ACGME)

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Prior
Peer Review

Title:	Neural Basis of Endogenous Potentials in Humans
Source:	NIH
Role:	Co-Investigator on NYU Subcontract
PI:	Eric Halgren, Ph.D. with Thomas Thesen, D.Phil. (NYU Subcontract)
Dates:	05/01/2007 - 04/30/2012
Direct Funds:	\$659,335 (NYU Subcontract)

Title:	Defining the epileptogenic zone in Tuberous Sclerosis Complex: microelectrode recordings in children with intractable epilepsy and TSC
Source:	Tuberous Sclerosis Alliance
Role:	Co-Investigator
PI:	Howard Weiner, MD
Dates:	07/01/2008 - 06/30/2011
Direct Funds:	\$135,531

Title:	Detection of epileptogenic malformations with surface-based MRI morphometry
Source:	Epilepsy Foundation
Role:	Principal Investigator
Dates:	01/01/2010 - 12/31/2010
Direct Funds:	\$49,816

Title:	Imaging of Language in the Preoperative Evaluation of Epilepsy
Source:	NIH
Role:	Co-Investigator
PI:	Carrie McDonald, Ph.D. with Thomas Thesen, D.Phil. (NYU Subcontract)
Dates:	03/01/2010 - 02/29/2015
Direct Funds:	\$95,283 (NYU Subcontract)

Title:	Cortical Localization in Temporal Lobe Epilepsy
Source:	NIH
Role:	Subcontract (NYU) Principal Investigator
PI:	Marla Hamberger, Ph.D. with Chad Carlson, M.D. (NYU Subcontract)
Dates:	09/01/2010 - 06/30/2015
Direct Funds:	\$108,526 (NYU Subcontract)

Title:	Topographic mapping of a hierarchy of temporal receptive windows using natural stimuli
Source:	NIH
Role:	Co-Investigator
PI:	Uri Hasson, Ph.D. with Thomas Thesen, D.Phil. (NYU Subcontract)
Dates:	07/07/2011 - 03/31/2016
Direct Funds:	\$1,785,700 (Total funds- NYU subcontract total included)

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

Regional

- Chad Carlson, Epilepsy Evaluation in 2005: Gateways to Seizure Freedom, University of Iowa Hospitals and Clinics Neurology Department Lecture Series, Iowa City, IA, 06/2005
- Chad Carlson, Update on MEG Technology and Clinical Application, New York University Neurology Grand Rounds, New York City, NY, 04/2008
- Chad Carlson, Where Are We Going? New Therapies in Epilepsy Panel Discussion, FACES 2009 Epilepsy Conference, New York City, NY, 10/2009
- Chad Carlson, Am I a candidate for Epilepsy Surgery?, FACES 2009 Epilepsy Conference, New York City, NY, 10/2009
- Chad Carlson, Magnetoencephalography in Pediatric Epilepsy, New York University Pediatric Neurology Grand Rounds, New York City, NY, 01/2010
- Chad Carlson, Stratifying Candidates for Resective Epilepsy Surgery: Predictive Factors for Seizure Freedom, Medical College of Wisconsin Neurology Grand Rounds, Milwaukee, WI, 07/2012
- Chad Carlson, Epilepsy Surgery from a Multidisciplinary Perspective, Medical College of Wisconsin Neurology Grand Rounds, Milwaukee, WI, 06/2013
- Chad Carlson, Magnetoencephalography: Translating Neuroscience to the Clinic and Back Again, 2014 Annual Milwaukee Chapter for the Society for Neurosciences Meeting, Milwaukee, WI, 04/29/2014
- Chad Carlson and Ann Helms, Medical Education, Evaluations, and Feedback for Residents, Medical College of Wisconsin Neurology Grand Rounds, Milwaukee, WI, 08/08/2014
- Chad Carlson, Intracranial EEG and Epilepsy Surgery, Medical College of Wisconsin Neurosurgery Grand Rounds, Milwaukee, WI, 08/21/2015
- Chad Carlson, Marijuana for the Treatment of Epilepsy, Medical College of Wisconsin Neurology Grand Rounds, Milwaukee, WI, 12/04/2015
- Chad Carlson, Evaluating Trainees Utilizing Entrustable Professional Activities., Medical College of Wisconsin Neurology Grand Rounds, Milwaukee, WI, 02/05/2016
- Chad Carlson, Approaches to Treatment Resistant Epilepsy 2016, University of Iowa Hospitals and Clinics Neurology Grand Rounds, Iowa City, IA, 09/13/2016
- Chad Carlson, You Never Forget Your First? Impact of Interview Order on the Neurology Residency Rank List., Medical College of Wisconsin Neurology Grand Rounds, Milwaukee, WI, 01/26/2018
- Chad Carlson, Approaches to Treatment Resistant Epilepsy in 2018, Medical College of Wisconsin Neurosurgery Grand Rounds, Milwaukee, WI, 02/23/2018
- Chad Carlson, Autoimmune Mechanisms in Epilepsy, Heart of Wisconsin Epilepsy Foundation Conference, Marshfield Hospital and Clinics; Marshfield, WI, 05/18/2018
- Chad Carlson, New Treatment Options for Treatment Resistant Epilepsy, Wisconsin Neurological Society, Osthoff Resort; Elkhart Lake, WI, 10/19/2018
- Chad Carlson, Teaching Methodologies in Neurology and Epilepsy, Medical College of Wisconsin Neurology Grand Rounds, Milwaukee, WI, 04/10/2020
- Chad Carlson, Evaluations in Medical Education: Focus on Residency, Medical College of Wisconsin Neurology Grand Rounds, Milwaukee, WI, 05/28/2021
- Chad Carlson, Epilepsy and Seizures: An Overview, Wisconsin Department of Corrections: ACP Meeting, Virtual, 01/07/2022

National

- Chad Carlson, Future Directions in Epilepsy Research, Ortho-McNeil Training Session, New York City, NY, 11/2006
- Chad Carlson, Future Directions in Epilepsy Research, Ortho-McNeil Training Session, New York City, NY, 11/2007
- Chad Carlson, Ask the Experts Panelist Session, Ortho-McNeil Training Session, New York City, NY, 11/2007
- Chad Carlson, The Cellular Basis of Magnetoencephalography, 61st Annual Meeting of the American Epilepsy Society, Philadelphia, PA, 12/2007
- Chad Carlson, Future Directions in Epilepsy Research, Ortho-McNeil Training Session, New York City, NY, 04/2008
- Chad Carlson, Ask the Experts Panel Session, Ortho-McNeil Training Session, New York City, NY, 04/2008
- Chad Carlson, Development of an Epilepsy Surgery Grading Scale, Epilepsy Surgery Grading Scale Consortium Meeting, New York City, NY, 07/2008

Chad Carlson, Ask the Expert Question and Answer Session, Pfizer Preceptorship, New York City, NY, 12/2008

Chad Carlson, Epilepsy Questions and Answers, Eisai Preceptorship, New York City, NY, 08/2010

Chad Carlson, New Frontiers in Epilepsy, CareFusion All Employee Meeting, Middleton, WI, 02/2011

Chad Carlson, Ask the Professor: Questions and Answers, Upsher-Smith Preceptorship, New York City, NY, 08/2012

Chad Carlson, Epilepsy 101: Pathophysiology, Epileptogenesis, and Diagnosis, Upsher-Smith Preceptorship, New York City, NY, 08/2012

Chad Carlson, Stratifying Candidates for Resective Epilepsy Surgery: Predictive Factors for Seizure Freedom, New York University Neurology Grand Rounds, New York, NY, 02/11/2014

Chad Carlson, The Epilepsy Surgery Grading Scale, Yale Comprehensive Epilepsy Center Monday Afternoon Coffee Seminar on Epilepsy Research, New Haven, CT, 02/04/2019

International

Chad Carlson, Magnetoencephalographic Lateralization and Localization of, Annual Meeting of the Eastern Association of Electroencephalographer's, New York City, NY, 02/2007

Chad Carlson, Magnetoencephalography Clinical Case Conference, International Users' Group Meeting for 4-D Neuroimaging, Denver, CO, 06/2007

Chad Carlson, Data Analysis Roundtable Discussion, International Users' Group Meeting for 4-D Neuroimaging, Denver, CO, 06/2007

Chad Carlson, Epilepsy Roundtable Panel Discussion, International Users' Group Meeting for 4-D Neuroimaging, Denver, CO, 06/2007

Chad Carlson, Advances in Neuroimaging and Epilepsy, 24th Conferencia de Epilepsia del Caribe, Dorado, Puerto Rico, 11/2007

Chad Carlson, Future Directions in Epilepsy Research, 24th Conferencia de Epilepsia del Caribe, Dorado, Puerto Rico, 11/2007

Chad Carlson, Intracranial EEG, CAMELICE (Capitulo Mexicano de la Liga Internacional Contra la Epilepsia), Durango, Mexico, 09/2012

Chad Carlson, Navigating Your Career: Finding Your Niche in Neurology: Perspectives from an Epileptologist and Educator, 69th Annual meeting of the American Academy of Neurology, Boston, MA, 04/23/2017

Chad Carlson, Navigating Your Career: Transitioning from a Clinical Research Career to an Educational and Clinical Focused Career, 69th Annual meeting of the American Academy of Neurology, Boston, MA, 04/23/2017

Chad Carlson, Navigating Your Career: Finding Your Niche in Neurology: Perspectives from an Epileptologist and Educator, 70th Annual meeting of the American Academy of Neurology, Los Angeles, CA, 04/23/2018

Chad Carlson, Navigating Your Career: Transitioning from a Clinical Research Career to an Educational and Clinical Focused Career, 70th Annual meeting of the American Academy of Neurology, Los Angeles, CA, 04/23/2018

Chad Carlson, Length of Stay as a Measure of Quality in the Safety and Quality Special Interest Group (SIG), 72nd Annual Meeting of the American Epilepsy Society, New Orleans, LA, 12/01/2018

Chad Carlson, Marijuana, Cannabidiol, and Epilepsy Treatment, International Workshop on Epilepsy, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, India, 02/28/2020 - 03/01/2020

Chad Carlson, Approaches to Treatment Resistant Epilepsy in 2020, International Workshop on Epilepsy, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, India, 02/28/2020 - 03/01/2020

Chad Carlson, Intracranial EEG: Where We Were and Where We Are, International Workshop on Epilepsy, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, India, 02/28/2020 - 03/01/2020

Chad Carlson, Deepak Gill, JMK Murth, Vinod Puri, Panel Discussion: Everything Under the Sun on Epilepsy Management, International Workshop on Epilepsy, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, India, 02/28/2020 - 03/01/2020

Chad Carlson, Teaching Methodologies in Neurology and Epilepsy, Dr. Bhuwan Garg Oration for the International Workshop on Epilepsy, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, India, 02/28/2020 - 03/01/2020

- Chad Carlson, Predicting Outcomes from Resective Epilepsy Surgery: The Epilepsy Surgery Grading Scale, International Workshop on Epilepsy, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, India, 02/28/2020 - 03/01/2020
- Chad Carlson, Deepak Gill, Atampreet Singh, Dinesh Nayak, Shymal Jaiswal, SA Jabeen, Swapan Gupta, Parul Dubey, K Radhakrishnan, JMK Murthy, Video Session: Unusual Semiology, Unusual and Difficult to Treat Cases, International Workshop on Epilepsy, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi, India, 02/28/2020 - 03/01/2020
- Chad Carlson, Vikram Rao, Kathryn Davis, Eric Anderson, Sara Inati, Michael Doherty, Peter Forgacs, Thomas Wychowski, Patricia Dugan, Panel Discussion: Clinical Careers Pathways, 74th Annual Meeting of the American Epilepsy Society Meeting, Virtual Meeting (in person meeting in Seattle, WA cancelled due to COVID19), 12/07/2020
- Ashlie Schaffner and Chad Carlson, Building a Successful Program Director and Program Coordinator Team, American Academy of Neurology Annual Meeting: Education Coordinators Section, Seattle, WA, 04/04/2022
- Ashlie Schaffner and Chad Carlson, Using Technology to Enhance Your Program, American Academy of Neurology Annual Meeting: Education Coordinators Section, Boston, MA, 04/24/2023
- Ashlie Schaffner and Chad Carlson, Effectively Using Evaluation Data, American Academy of Neurology Annual Meeting: Education Coordinators Section, Boston, MA, 04/25/2023

PEER REVIEWED WORKSHOPS/PRESENTATIONS:

National

- Bollo RJ, Carlson C, Schevon C, Wisoff JH, Devinsky O, Weiner HL., Staged resection and extraoperative functional mapping in children with hemispheric tumors: surgical strategy and outcome, American Association of Neurological Surgeons, Pediatric Section, Point Clear, AL, 12/2005
- Carlson C, Weiner HL, Ridgway EB, Zaroff C, Miles D, LaJoie J, Devinsky O, Multi-Staged Epilepsy Surgery in Multifocal Tuberous Sclerosis Complex, 58th Annual Meeting of the American Academy of Neurology, San Diego, CA, 04/01/2006 - 04/08/2006
- Schevon C, Carlson C, Zaroff C, Weiner HL, Language Lateralization and Localization in Children Utilizing Direct Neurostimulation and the WADA, 58th Annual Meeting of the American Academy of Neurology, San Diego, CA, 04/01/2006 - 04/08/2006
- Bender HA, Whitman LA, Carlson C, Morrison CM, MacAllister WS, Weinfeld J, Rodriguez-Rivera M, Vazquez B, Barr WB, The convergent validity of the intracarotid amobarbital procedure in Spanish-speaking surgical candidates, 63rd Annual Meeting of the American Academy of Neurology, Honolulu, HI, 04/09/2011 - 04/16/2011
- Carlson C, DuBois J, Thompson K, Chandhoke S, Tang C, Marcuse L, Kuzniecky R, Devinsky O, Thesen T, Increased Thalamic Volume in Idiopathic Generalized Epilepsy, 63rd Annual Meeting of the American Academy of Neurology, Honolulu, HI, 04/09/2011 - 04/16/2011
- Ludvig N, Tang HM, Baptiste SL, Medveczky G, French JA, Devinsky O, Carlson C, Kuzniecky RI, Periodic Neocortical Muscimol Delivery Via the Subdural Pharmacotherapy Device Provides Complete Seizure Prevention Without the Induction of Tolerance in Nonhuman Primates, 65th Annual Meeting of the American Epilepsy Society, Baltimore, MD, 12/02/2011 - 12/06/2011

International

- Pietropaolo R, Carlson C, Compton T, Direct Interaction between HCMV Glycoprotein B and Cellular Annexin II, Keystone Symposia on Molecular and Cellular Biology, Keystone, CO, 02/1996
- Compton T, Carlson C, Krygiel KA, Britt WJ, Characterization of a Soluble Form of Glycoprotein B (gpUL55) of Human Cytomegalovirus, 19th International Herpesvirus Workshop, Vancouver, British Columbia, Canada, 07/30/2005 - 08/05/2005
- Thesen T, Blumberg MA, Spence C, Carlson C, Cash SS, Doyle W, Kuzniecky R, Ulbert I, Devinsky O, Halgren E, The effects of task and attention on visual-tactile processing: Human intracranial data, 9th International Multisensory Research Forum, Hamburg, Germany, 07/16/2008 - 07/19/2008

COMMITTEE SERVICE:

Medical College of Wisconsin

06/14/2014 - Present Graduate Medical Education Committee, MCWAH

07/01/2014 - Present Program Evaluation Committee, Adult Neurology Residency, Neurology, Medical College of Wisconsin
 07/01/2014 - Present Clinical Competency Committee, Adult Neurology Residency, Neurology, Medical College of Wisconsin
 10/06/2014 - Present Annual Institutional Review, MCWAH
 07/28/2016 - Present Grand Rounds Planning Committee, Neurology, Medical College of Wisconsin
 10/01/2018 - Present Mentorship Committee, Neurology, Medical College of Wisconsin
 11/01/2018 - Present Education Subcommittee, Graduate Medical Education Committee, MCWAH
 07/01/2022 - Present Clinical Competency Committee, Clinical Neurophysiology Fellowship, Neurology, Medical College of Wisconsin
 07/01/2022 - Present Clinical Competency Committee, Epilepsy Fellowship, Neurology, Medical College of Wisconsin
 07/01/2022 - Present Program Evaluation Committee, Clinical Neurophysiology Fellowship, Neurology, Medical College of Wisconsin
 07/01/2022 - Present Program Evaluation Committee, Epilepsy Fellowship, Neurology, Medical College of Wisconsin

Hospital

2002 - 2004 Departmental Representative, Utilization and Review Committee, Department of Neurology, University of Iowa Hospitals and Clinics
 2008 - 12/14/2012 Chair, Video-EEG Laboratory Information Technology Committee, Epilepsy Division, Department of Neurology, New York University Langone Medical Center
 2008 - 12/14/2012 Co-Chair, Epilepsy Services Committee, Epilepsy Division, Department of Neurology, New York University Langone Medical Center
 10/01/2013 - 07/01/2014 Clinical Operations Committee, Neurology, Froedtert Hospital
 11/01/2013 - 05/01/2014 Clinical Practice Optimization, Neurology, Froedtert Hospital
 01/01/2019 - 01/01/2021 Neurosciences Clinic Operations Steering Committee, Neurology, Froedtert Hospital

MEDICAL COLLEGE TEACHING ACTIVITIES:

Medical Student Education

10/01/2013 Lecture: Epilepsy and Seizures
 07/01/2014 - Present Medical student teaching in EMU for 1-4 hours on Thursdays when on service (1-2 weeks per month).
 07/01/2014 - 06/30/2017 Weekly medical student preceptorship either in clinic supervision or during Thursday epilepsy rotation for medical students.
 02/09/2017 Clinical Educator Pathway Lecture on Evaluation Methods in Graduate Medical Education (3 hours)
 03/03/2017 M2 Neurology/Psychiatry Course (3 hours): Epilepsy, Anti-Epileptic Drugs, and Cases
 03/27/2017 Student Interest Group Neurology: Epilepsy, EEG, Future of Technology in Neurology
 11/13/2017 Video Career Discussion: Recorded session for medical students to get an introduction to the fields of Neurology and Epileptology.
 11/14/2017 Student Interest Group in Neurology (2 Hours): Career information on Neurology informal discussion followed by panel discussion with additional faculty and residents.
 03/02/2018 M2 Neurology/Psychiatry Course (3 hours): Epilepsy, Anti-Epileptic Drugs, and Cases
 03/29/2018 Clinical Educator Pathway Lecture Dr. Ann Helms on "Designing an Education Research Project." (2 Hours)
 03/12/2019 Informal question and answer setting for M3 students interested in Neurology to prepare for the Match and M4 rotation choices.
 03/19/2019 SIGN Lecture: Considering A Career in Neurology
 04/08/2020 SIGN Lecture: Approaches to Treatment Resistant Epilepsy
 03/16/2023 MSTP Residency Selection Panel
 06/20/2023 (1.5 Hours): Residency Faculty Panel for M4s - Summer Intersession

Resident and Fellow Education

01/14/2013 - Present Teaching on service: 1-4 hours/day on service 1-2 weeks per month

07/11/2013 Lecture: Technical Aspects of EEG for the Clinical Neurophysiology Didactic Lecture Series

07/11/2013 Lecture: EEG Montages for the Clinical Neurophysiology Didactic Lecture Series

08/22/2013 Lecture: Approach to the First Seizure for the Clinical Neurophysiology Didactic Lecture Series

10/03/2013 Lecture: Intracranial EEG and Epilepsy Surgery for the Clinical Neurophysiology Didactic Lecture Series

03/12/2014 Lecture: Quality Improvement Projects - How and Why?

06/30/2014 MCWAH Housestaff Orientation Small Group Sessions

07/25/2014 Lecture: Introduction to Patient Safety and Quality Part 2

08/01/2014 - 06/30/2015 15 part lecture series on neuroanatomy. Curriculum designed and prepared by me. All lectures delivered by me.

09/25/2014 Lecture: Approach to Research Projects

10/06/2014 Lecture: Introduction to EEG

03/15/2015 Academic Half Day (3 Hours): Effective Analysis and Presentation of Research Data

03/20/2015 Academic Half Day (3 Hours): Professionalism & Physician Burn-out and Using Microsoft Tools in Research Preparation and Presentation.

07/01/2015 - 06/30/2016 Academic Half Day: 15 part lecture series on neuroanatomy. Curriculum designed and prepared by me.

09/04/2015 Academic Half Day session (3 Hours): Patient Safety and Quality Improvement. Introduction to concepts and methods and a mock root cause analysis.

10/30/2015 Academic Half Day (1 Hour): Neurology Clinical Case Review

12/11/2015 Academic Half Day (1 Hour): Patient Safety and Quality Improvement - the PDCA cycle

02/05/2016 Academic Half Day (1 Hour): Patient safety and quality improvement project for outpatient epilepsy care.

04/08/2016 Academic Half Day (3 Hours): Epilepsy classification and epilepsy syndromes.

04/29/2016 Academic Half Day (2 Hours): Evaluation of the first seizure.

05/06/2016 Academic Half Day (3 Hours): Utilization of types of EEG and an interactive EEG skills primer.

05/20/2016 Academic Half Day (1 Hour): Neuroimaging Case Review

06/30/2016 MCWAH Housestaff Orientation Small Group Sessions

07/01/2016 - 06/30/2017 Academic Half Day: 15 part lecture series on neuroanatomy. Curriculum designed and prepared by me.

07/22/2016 Academic Half Day (2 Hours): Professionalism & Physician Burn-out

09/09/2016 Academic Half Day (3 Hours): Introduction to Scholarly Activity and Practical Tips for Research (includes spreadsheet tutorial)

09/23/2016 Academic Half Day (3 Hours): Patient Safety and Quality Improvement (Introduction and Fundamental Concepts and Methods)

03/10/2017 Academic Half Day (1.5 Hours): Concussion Biomarkers - A Journal Club and Focused Discussion of the Literature

03/24/2017 Academic Half Day (1 Hour): Practical Epilepsy Management - Case Based Discussion of Infantile Spasms

03/31/2017 Academic Half Day (2 Hour): Practical Epilepsy Management - Case Based Discussion of Focal Epilepsy and Juvenile Myoclonic Epilepsy (part 1)

04/28/2017 Academic Half Day (2 Hours): Epilepsy and EEG Case Review

06/02/2017 Neurology Intern Didactic (2 Hours): The Neurological Examination

06/09/2017 Neurology Intern Didactic (1 Hour): Pursuing Scholarship During Residency - Practical Concepts

06/26/2017 Neurology Intern Didactic (2 Hours): Your Role as a Learner and as a Teacher in Neurology: Theoretical Concepts and Practical Pearls

06/26/2017 New Intern Didactic (2 Hours): Overview of the Department of Neurology & The Neurological Examination

06/30/2017 MCWAH Housestaff Orientation Small Group Sessions

07/01/2017 - 06/30/2018 Academic Half Day: 15 part lecture series on neuroanatomy. Curriculum designed and prepared by me.

08/11/2017 Academic Half Day (1 Hour): Case Discussion on Peripheral Neuroanatomy & The Brachial Plexus

09/08/2017 Academic Half Day (1 Hour): Root Cause Analysis

02/02/2018 Academic Half Day (3 Hours): Psychogenic Non-Epileptic Events: Overview, Pathophysiology, Counseling, and Treatment.

02/23/2018 Academic Half Day (1 Hour): Patient Safety and Quality Improvement - Value, Lean, Six Sigma, and Choosing Wisely in Neurology.

06/01/2018 Neurology Intern Didactic (2 Hours): Approaches to Scholarly and Patient Safety/Quality Improvement Projects.

06/08/2018 Academic Half Day (2 Hours): Interdisciplinary Lecture with Drs. Ann Helms, Karen Carlson, and Wendy Peltier on "The Last Visit". Focused on patient and provider needs at the end of care with terminal diagnoses.

06/22/2018 Neurology Intern Didactic (3 Hours): Being a Teacher and a Student. Strategies for teaching what you know while expanding what you know while in training.

08/10/2018 Academic Half Day (1 Hour): Professionalism in Medicine

01/30/2019 Internal Medicine Lecture (45 Minutes): Seizures

06/07/2019 Neurology Intern Didactic (2 Hours): Teaching and Learning as a Resident

07/05/2019 Academic Half Day (3 Hours): Professionalism, Orientation, and Welcome

06/02/2020 Neurology Intern Didactic (2 Hours): A Review of the Neurologic Examination, Localization, and Documentation.

06/02/2020 Neurology Intern Didactic (2 Hours): Introduction to Scholarly Projects and PSQI Projects

06/05/2020 Neurology Intern Didactic (3 Hours): Being a Teacher and a Student. Strategies for teaching what you know while expanding what you know while in training.

08/14/2020 Academic Half Day (1 Hour): Introduction to PSQI and Root Cause Analysis

09/18/2020 Academic Half Day (1.5 Hours): Physician Well Being and Burnout in Neurology

04/09/2021 Academic Half Day (2 Hours): Psychogenic non-epileptic events

06/01/2021 Neurology Intern Didactic (1.5 Hours): Introduction to Scholarship and PSQI Projects

06/01/2021 Neurology Intern Didactic (1.5 Hours): A Review of the Neurological Examination

07/16/2021 Academic Half Day (2 hours): Resident well-being and physician burnout.

09/02/2021 Neurophysiology Bootcamp (1.5 Hours): Case-Based Review of Neurophysiology in Clinical Practice - an Overview

09/03/2021 Academic Half Day (1.5 Hours): Do I Really Need to Know the Business of Neurology?

01/14/2022 Academic Half Day (1.5 Hours): Approach to the First Seizure

06/01/2022 Neurology Intern Didactic (2 Hours): The Neurological Examination

06/01/2022 Neurology Intern Didactic (2 Hours): The Neurological Examination

06/01/2022 Neurology Intern Didactic (2 Hours): Introduction to Scholarly Projects and PSQI Projects

06/01/2022 Neurology Intern Didactic (2 Hours): Scholarly and PSQI Projects. How They Fit into Your Career and Managing Expectations.

06/24/2022 Neurology Intern Didactic (2 Hours): Being a Teacher and a Student. Strategies for teaching what you know while expanding what you know while in training.

07/01/2022 Academic Half Day (1 Hour): Introduction and Curriculum Overview; Goals and Objectives

08/19/2022 Academic Half Day: (2 hours) - Patient Safety and Quality Improvement Concepts - an Introduction

09/02/2022 Health Psychology Lecture (Psychology Fellows): Psychogenic Non-Epileptic Events

09/06/2022 Neurophysiology Bootcamp (2 hours): Case Based Learning in Neurophysiology

09/23/2022 Academic Half Day: Physician Wellness and Burnout

09/23/2022 Neurophysiology Bootcamp (2 hours): Epilepsy and EEG; Practical Review

03/03/2023 Academic Half Day (2 hours): Ictal EEG

03/08/2023 Medicine Academic Half Day: Epilepsy for the Non-Neurologist

03/15/2023 Maternal Fetal Medicine: Epilepsy for the Non-Neurologist

04/07/2023 Academic Half Day: Patient Safety, Quality Improvement, and the Business of Medicine. Do I Really Have to Know This? Part 1

04/28/2023 Academic Half Day: Patient Safety, Quality Improvement, and the Business of Medicine. Do I Really Have to Know This? Part 2

06/23/2023 Neurology Intern Didactic (2 Hours): Becoming a Teacher While Being a Student

08/11/2023 Academic Half Day (2 Hours): Patient Safety and Quality Improvement - an Introduction and Overview

08/16/2023 Medicine Academic Half Day: The Neurological Examination

08/18/2023 Academic Half Day (2 Hours): Do I Really Have to Think About the Business of Medicine?

08/18/2023 Academic Half Day: Statistics for Physicians

08/23/2023 Medicine Academic Half Day: Seizures
 09/05/2023 Neurophysiology Bootcamp (2 hours): Intro to Bootcamp and Neurophysiologic Testing - Case Based Discussion
 09/06/2023 Neurophysiology Bootcamp (2.5 hours): Case Based Learning for EEG
 09/21/2023 Neurophysiology Bootcamp (3 hours): EEG Practical Review and Summary
 04/05/2024 Academic Half Day: The Business of Neurology with Dr. Ekokobe Fonkem

Postdoctoral Fellow Education

10/11/2023 Health Psychology Lecture (Psychology Fellows): Psychogenic Non-Epileptic Events

EXTRAMURAL TEACHING:

Medical Student Education

07/01/2006 - 12/14/2013 New York University School of Medicine, Teaching while on service: 1-4 hours/day. On service 7-11 months per year.
 07/2006 - 06/2012 New York University School of Medicine, Clinical Neurosciences Medical Student Preceptorship: Bedside and Small Group Teaching 8-12 hours/week x4 weeks for each academic year
 07/2013 - 12/14/2013 New York University School of Medicine, Clinical Neurosciences Medical Student Preceptorship: Bedside and Small Group Teaching 8-12 hours/week x4 weeks

Resident and Fellow Education

05/2006 New York University School of Medicine, Lecture: MEG for the Clinical Neurophysiology Didactic Lecture Series
 07/01/2006 - 12/14/2013 New York University School of Medicine, Teaching while on service: 1-4 hours/day. On service 7-11 months per year.
 07/2006 New York University School of Medicine, Lecture: Nerve Conduction Studies and Electromyography for the Neurology Resident Lecture Series
 10/2006 New York University School of Medicine, Lecture: Cortical Mapping without Direct Cortical Stimulation for the Epilepsy Journal Club and Case Conference
 11/2006 New York University School of Medicine, Lecture: Multi-Staged Epilepsy Surgery in Multifocal Tuberous Sclerosis Complex for the Epilepsy Journal Club and Case Conference
 07/2007 New York University School of Medicine, Lecture: Technical Aspects of EEG for the Clinical Neurophysiology Didactic Lecture Series
 10/2007 New York University School of Medicine, Lecture: To MEG or not to MEG? for the Epilepsy Journal Club and Case Conference
 10/2007 New York University School of Medicine, Lecture: Proper documentation for epilepsy patients utilizing the integrated clinical information system (ICIS) for the Neurology Residents and Fellows
 10/2007 New York University School of Medicine, Lecture: An Introduction to Magnetoencephalography for the Clinical Neurophysiology Didactic Lecture Series
 01/2008 New York University School of Medicine, Lecture: Status Epilepticus for the Clinical Neurophysiology Didactic Lecture Series
 02/2008 New York University School of Medicine, Lecture: Review of Technical Aspects of EEG for the Clinical Neurophysiology Review Series
 10/2008 New York University School of Medicine, Lecture: Technical Aspects of EEG for the Clinical Neurophysiology Didactic Lecture Series
 11/2008 New York University School of Medicine, Lecture: An Introduction to Magnetoencephalography for the Clinical Neurophysiology Didactic Lecture Series
 01/2009 - 08/01/2011 New York University School of Medicine, Monthly Recurring Lecture: Neocortical Working Group Research Update
 02/2009 New York University School of Medicine, Lecture: Review of Technical Aspects of EEG for the Clinical Neurophysiology Review Series
 03/2009 New York University School of Medicine, Lecture: Status Epilepticus for the Clinical Neurophysiology Didactic Lecture Series
 07/2009 New York University School of Medicine, Lecture: Neocortical Working Group Update for the Epilepsy Center Research Retreat
 07/2009 New York University School of Medicine, Lecture: Corpus Callosotomy and Bilateral Intracranial EEG Monitoring for the Epilepsy Journal Club and Case Conference

08/2009 New York University School of Medicine, Lecture: Electrode Montages and Localization for the Clinical Neurophysiology Didactic Lecture Series

08/2009 New York University School of Medicine, Lecture: Technical Aspects of EEG for the Clinical Neurophysiology Didactic Lecture Series

10/2009 New York University School of Medicine, Lecture: Epilepsy and the Evaluation of Operative Candidates for the Neurology Resident Lecture Series

12/2009 New York University School of Medicine, Lecture: Idiopathic Generalized Epilepsy for the Epilepsy Journal Club and Case Conference

02/2010 New York University School of Medicine, Lecture: Status Epilepticus for the Clinical Neurophysiology Didactic Lecture Series

05/2010 New York University School of Medicine, Lecture: Research Update: Neocortical Working Group for the Epilepsy Journal Club and Case Conference

08/2010 New York University School of Medicine, Lecture: Electrode Montages and Localization for the Clinical Neurophysiology Didactic Lecture Series

10/2010 New York University School of Medicine, Lecture: Idiopathic Generalized Epilepsy: An Update on Neuroimaging Findings in IGE for the Epilepsy Journal Club and Case Conference

12/2010 New York University School of Medicine, Lecture: Technical Aspects of EEG for the Clinical Neurophysiology Didactic Lecture Series

08/01/2011 - 12/14/2013 New York University School of Medicine, Monthly Recurring Lecture: Classification Working Group Research Update

08/2011 New York University School of Medicine, Lecture: Technical Aspects of EEG for the Clinical Neurophysiology Didactic Lecture Series

01/2012 New York University School of Medicine, Lecture: Classification Working Group Update: ESGS, ACES, eNUMB, TCS, SB -- What these letter means for you for the Epilepsy Journal Club and Case Conference

02/2012 New York University School of Medicine, Lecture: Review of Technical Aspects of EEG for the Clinical Neurophysiology Review Series

02/2012 New York University School of Medicine, Lecture: EEG Montages for the Clinical Neurophysiology Didactic Lecture Series

03/2012 New York University School of Medicine, Lecture: Epilepsy Surgery for the Clinical Neurophysiology Didactic Lecture Series

05/2012 New York University School of Medicine, Lecture: Predictive Factors in Epilepsy Surgery: A Systematic Literature Review for the Epilepsy Journal Club and Case Conference

08/2012 New York University School of Medicine, Lecture: Technical Aspects of EEG for the Clinical Neurophysiology Didactic Lecture Series

07/09/2014 Medical College of Wisconsin, Lecture: Introduction to Patient Safety and Quality

Continuing Medical Education

07/2009 New York University School of Medicine, Lecture: Intracranial EEG an Introduction to Basic Principles for the EEG Technician Training Session

02/2010 New York University School of Medicine, Lecture: Intracranial EEG and Electrode Montages for the EEG Technician Training Session

10/2010 New York University School of Medicine, Lecture: Intracranial EEG and Electrode Montages 2 for the EEG Technician Training Session

11/2010 New York University School of Medicine, Lecture: Introduction to the Epilepsy Monitoring Service for the Tisch Neurosciences Nursing Unit

11/2011 New York University School of Medicine, Lecture: EEG Montages for the EEG Technician Training Session

02/2012 New York University School of Medicine, Lecture: Documentation in the Medical Record and on the EEG: A Technician Primer for the EEG Technician Training Session

07/2012 New York University School of Medicine, Lecture: Utility of Pulse Oximetry in the Epilepsy Monitoring Unit for the EEG Technician Training Session

08/2012 New York University School of Medicine, Lecture: Epilepsy 101: Basic Principles of Epilepsy for EEG Technicians for the EEG Technician Training Session

10/2012 New York University School of Medicine, Lecture: Epilepsy 101: Basic Principles of Epilepsy for EEG Technicians Part 2 for the EEG Technician Training Session

Graduate Student Education

12/2010 New York University School of Medicine, Lecture: An Introduction to Intracranial EEG for the Clinical Neurophysiology Research Group Lab Meeting

Postdoctoral Fellow Education

09/2007 New York University School of Medicine, Lecture: An Introduction to Electroencephalography for the Neuropsychology Lecture Series

12/2008 New York University School of Medicine, Lecture: An Introduction to Electroencephalography for the Neuropsychology Lecture Series

12/2009 New York University School of Medicine, Lecture: An Introduction to Electroencephalography for the Neuropsychology Lecture Series

10/2010 New York University School of Medicine, Lecture: An Introduction to Electroencephalography for the Neuropsychology Lecture Series

09/2011 New York University School of Medicine, Lecture: An Introduction to Electroencephalography for the Neuropsychology Lecture Series

01/2012 New York University School of Medicine, Lecture: The Neurological Examination for the Neuropsychology Lecture Series

10/2012 New York University School of Medicine, Lecture: An Introduction to Electroencephalography for the Neuropsychology Lecture Series

MCW STUDENTS, FACULTY, RESIDENTS AND CLINICAL/RESEARCH FELLOWS MENTORED:

Medical Students

Sarah Carpenter, Medical College of Wisconsin, 12/01/2014 - 06/30/2017 Pathways Advisor: Quality Improvement and Patient Safety, Completed her collaborative project with Dr. Chelimsky on a project improving patient education in autonomic dysfunction

Christopher Koo, Medical College of Wisconsin, 11/20/2015 - 06/30/2017 Career Advising and Neurology Shadowing, Matched in Anesthesiology to Beth Israel Deaconess Medical Center

Patrick Budny, Medical College of Wisconsin, 03/01/2017 - 06/30/2018 Clinical Advisor; Career and Residency Guidance, Matched in Diagnostic Radiology to MCW

Anthony Declusin, Medical College of Wisconsin, 03/01/2017 - 06/30/2018 Clinical Advisor; Career and Residency Guidance, Matched in Neurology to the University of Colorado

Arjun Athreya, Medical College of Wisconsin, 06/29/2017 - 06/30/2018 Career and Residency Guidance, Matched in Neurology to Emory University

Jessica Yi, Medical College of Wisconsin, 01/01/2018 - 06/30/2019 Clinical Advisor; Career and Residency Guidance, Matched in Neurology to Thomas Jefferson University

Lindsey Krawchuk, Medical College of Wisconsin, 07/01/2018 - 06/30/2019 Career and Residency Guidance, Matched in Neurology to the University of North Carolina

Britta Bureau, Medical College of Wisconsin, 08/26/2018 - 06/30/2022 Career and Residency Guidance, Matched to Medical College of Wisconsin Neurology

Tegan Ake, Medical College of Wisconsin, 03/01/2019 - 06/30/2020 Clinical Advisor; Career and Residency Guidance, Matched in Neurology to the University of Utah

Michael Mendoza, Medical College of Wisconsin, 03/01/2019 - 06/30/2020 Clinical Advisor; Career and Residency Guidance, Matched in Neurology to MCW

Sophia Musacchio, Medical College of Wisconsin, 09/2019 - 12/2020 Clinical Apprenticeship, Successful participation in the Clinical Apprenticeship Program

Alexandra Roman, Medical College of Wisconsin, 11/25/2019 - 06/30/2022 Career and Residency Guidance, Matched in Neurology at the University of Miami

John LeClaire, Medical College of Wisconsin, 02/01/2020 - 06/30/2021 Clinical Advisor; Career and Residency Guidance, Matched to Neurology at Vanderbilt

Paul Beinhoff, Medical College of Wisconsin, 07/12/2021 - 05/01/2023 Education Research Mentor, Successful publication of manuscript in Cureus: No Geographic Distribution Change Among Residency Applicants in the Neurology Match During COVID-19

Nabil Attlassy, Medical College of Wisconsin, 07/12/2021 - 05/01/2023 Education Research Mentor, Successful publication of manuscript in Cureus: No Geographic Distribution Change Among Residency Applicants in the Neurology Match During COVID-19

Nihal Voruganti, Medical College of Wisconsin, 12/01/2021 - 05/01/2024 Clinical Advisor; Career and

Residency Guidance, Matched to Brown for Neurology
Sophia Mussachio, Medical College of Wisconsin, 12/01/2021 - 03/01/2022 Clinical Advisor; Career and Residency Guidance, Matched to Internal Medicine at Dartmouth
Jesse Maguire, Medical College of Wisconsin, 12/01/2021 - 05/01/2023 Clinical Advisor; Career and Residency Guidance, Matched in Neurology to the University of Texas - Southwestern

Clinical/Research Fellows

Natalia Dorland, MD, Medical College of Wisconsin, 07/01/2014 - 06/30/2015 Research Mentor with Drs. Anderson and Raghavan: Evaluating infra-slow potentials in scalp EEG, Presented at the American Epilepsy Society
All Clinical Neurophysiology and Epilepsy fellows meet directly with me for career development as a result I mentor all fellows continually in this role., Medical College of Wisconsin, 2014 - 07/01/2022 Career Development; Project Oversight. Program Director
Janki Lavingia, Medical College of Wisconsin, 07/01/2015 - 06/30/2017 Research Mentor with Drs. Anderson and Raghavan: Evaluating infra-slow potentials in scalp EEG, Presented at the American Epilepsy Society
Aditya Vuppala, MD, Medical College of Wisconsin, 07/01/2016 - 06/30/2017 Research Mentor with Drs. Raghavan and Anderson: Analyzing the value of MEG in patients with non-lesional MRI, Presented at the American Epilepsy Society
Patrick Bauer, MD, Medical College of Wisconsin, 07/01/2017 - 06/30/2019 Research Mentor and Career Development: Develop an independent research project in preparation for submitting a training grant proposal (i.e. K-award), Transition to faculty role at MCW and identification of internal and external advisors for the project

Residents

Janki Lavingia, MD, Medical College of Wisconsin, 07/01/2013 - 06/30/2015 Quality Improvement Mentor with Dr. Book: Standardization and improvement of the Neurology hand-off, Adopted as the standardized hand-off procedure
Pedro Oliveira, MD, Medical College of Wisconsin, 12/01/2013 - 06/30/2015 Quality Improvement Mentor: Improved Access for post-ER visit epilepsy patients, Implemented plan into practice
Janki Lavingia, MD, Medical College of Wisconsin, 07/01/2014 - 06/30/2015 Research Mentor with Drs. Anderson and Raghavan: Evaluating infra-slow potentials in scalp EEG, Presented at the American Epilepsy Society
Additya Vuppala, MD, Medical College of Wisconsin, 07/01/2014 - 06/30/2016 Research Mentor with Drs. Raghavan and Anderson: Analyzing the value of MEG in patients with non-lesional MRI, Presented at the American Epilepsy Society
All Neurology residents work directly with me for career development, in particular the Chief Residents, as such I mentor all residents continually in this role., Medical College of Wisconsin, 2014 - Present Career Development; Project Oversight. Program Director
Mohammad Kabir, MD, Medical College of Wisconsin, 07/01/2016 - 06/30/2018 Research/Education Mentor: Develop an electronic teaching resource for anti-epileptic drug utilization and pharmacology., Completed teaching materials and implementation into an electronic teaching resource
Mohammad Kabir, MD, Medical College of Wisconsin, 07/01/2017 - 06/30/2018 Quality Improvement/Education Mentor: Improve counseling and long term care for patients with psychogenic non-epileptic events diagnosed outside of the epilepsy monitoring unit, New protocol established with the Epilepsy Coordinator, classroom teaching developed and delivered February 2018
Brandon Strawn, DO, Medical College of Wisconsin, 07/01/2017 - 06/30/2018 Research/Education Mentor: Develop a curriculum element for EMG/NCV testing for deploying as part of the electronic curriculum development process., Completed lecture materials
Vishal Pandya, MD, Medical College of Wisconsin, 07/01/2018 - 06/30/2021 Career Mentor: Epilepsy, Epilepsy Fellowship Match - Johns Hopkins
Sam Hooshmand, DO, Medical College of Wisconsin, 07/01/2018 - 06/30/2020 Career Mentor: Neuroimmunology, Completing fellowship in Neuroimmunology at MCW and joining the faculty at MCW
Ahmad Sawalha, MD, Medical College of Wisconsin, 07/01/2018 - 06/30/2021 Career Mentor: Epilepsy, Epilepsy Fellowship Match - Mayo
Ruchi Dhyani, MD, Medical College of Wisconsin, 07/01/2018 - 06/30/2021 Career Mentor: Epilepsy,

Epilepsy Fellowship Match - UPMC
Vishal Pandya, MD, Medical College of Wisconsin, 07/01/2019 - 09/15/2022 Research Mentor: Anti-seizure medication usage prior to surgical evaluation., Successful presentation of an abstract at the American Epilepsy Society and publication in Epilepsy and Behavior Reports.
Darren DuGas, MD, Medical College of Wisconsin, 07/01/2019 - 06/30/2022 Career Mentor: Epilepsy, Epilepsy Fellowship Match - Yale
Vishal Pandya, MD, Medical College of Wisconsin, 03/01/2021 - 07/01/2021 Research Mentor: Review article on implantable devices for treatment resistant focal epilepsy, Published in Practical Neurology 2021

Faculty

Serena Thompson, MD, PhD, Medical College of Wisconsin, 07/01/2019 - 11/21/2021 Career Development and Research Mentor, Mentored on research project development. Relocated to Minnesota.

EXTRAMURAL STUDENTS, FACULTY, RESIDENTS, AND CLINICAL/RESEARCH FELLOWS MENTORED:

Undergraduate Students

Jeff Stout, New York University School of Medicine, 2006 - 2009 Direct Supervisor and Research Mentor: Magnetoencephalography, Went on to receive a doctoral degree and is currently at the National Institutes of Health
Amy Trongnetrpunya, New York University School of Medicine, 2007 - 2010 Direct Supervisor and Research Mentor: Magnetoencephalography, Went on to complete doctoral work and currently works in industry
Jonathan DuBois, New York University School of Medicine, 2009 - 2011 Direct Supervisor and Research Mentor with Dr. Thesen: Quantitative analysis of MRI in epilepsy and comorbid conditions, Successful publication of work. Went on to graduate school
Thomas Belcher, New York University School of Medicine, 2009 - 2012 Direct Supervisor and Research Mentor with Dr. Thesen: Intracranial EEG and cortical mapping correlations
Andrew Tarr, New York University School of Medicine, 2011 - 2012 Quality Improvement with Dr. Gazzola: Epilepsy monitoring unit utilization and the time to capture the typical events

Medical Students

Joanna Koutros, MD, New York University School of Medicine, 2008 - 2010 Direct Supervisor and Research Mentor with Dr. Thesen: Analysis of multisensory data utilizing non-invasive neuroimaging (MEG and fMRI)
Judith Katz, New York University School of Medicine, 2011 - 2012 Direct Supervisor and Research Mentor with Drs. Dugan and French: Project to characterize and classify neocortical epilepsy
Tracy Ma, New York University School of Medicine, 2011 - 2013 Direct Supervisor and Research Mentor with Drs. Kuzniecky and Weiner: Project analyzing cortical and perituberal cortical hyperexcitability in tuberous sclerosis complex
Chehan Herath, Medical College of Wisconsin - Green Bay, 03/09/2018 - 06/30/2021 Career and Residency Guidance, Matched in Neurology to MCW

Graduate Students

PhD Students Advised

Alyson Silverberg, RN, MSN, ANP-BC, CNRN, New York University School of Nursing, 09/2010 - 03/29/2012 DNP Capstone: Implementation of an Evidence-Based Protocol to Minimize Wound Infections in Neurosurgical Patients Undergoing Intracranial Monitoring
Mary Miceli, ACNP-BC, MA, CNRN, New York University College of Nursing, 2011 - 03/29/2012 DNP Capstone: Seizure Identification and Documentation Education Program

PhD Committees

Alyson Silverberg, RN, MSN, ANP-BC, CNRN, New York University College of Nursing, 09/2010 - 03/29/2012 DNP Capstone: Implementation of an Evidence-Based Protocol to Minimize Wound Infections in Neurosurgical Patients Undergoing Intracranial Monitoring

Clinical/Research Fellows

Patricia Dugan, MD, New York University School of Medicine, 2008 - 2010 Research Mentor with Dr. French: Epilepsy Surgery Grading Project, Presented at the American Epilepsy Society; published manuscript

Maria Stefanidou, MD, New York University School of Medicine, 2010 - 2012 Research Mentor with Dr. Friedman: Heart rate changes and their correlations with intracranial seizure localization, Presented at the American Epilepsy Society; published manuscript

Residents

Marjorie Bunch, MD, New York University School of Medicine, 2008 - 2010 Research Mentor with Dr. French: Systematic review of the literature on predictive factors for epilepsy surgery, Presented at the American Epilepsy Society; published manuscript

Jennifer Werely, MD, New York University School of Medicine, 2011 - 2013 Research Mentor with Drs. Gazzola and French: Analyzing factors impacting normal neuroimaging in epilepsy, Presented at the American Epilepsy Society

Thomas Berk, MD, New York University School of Medicine, 2011 - 2013 Research Mentor with Dr. French: Analyzing the features of generalized tonic-clonic convulsions, Presented at the American Epilepsy Society

Sujata Thawani, MD, New York University, 05/01/2012 - 05/01/2016 Quality Improvement Mentor with Dr. Gazzola: Epilepsy monitoring unit utilization and the time to capture the typical events, Presented at the American Epilepsy Society; published manuscript

Faculty

Alyson Silverberg, RN, MSN, ANP-BC, CNRN, New York University School of Medicine, 2008 - 2011 Research Mentor: Utility of invasive electrodes immediately following corpus callosotomy, Published manuscript

Alyson Silverberg, DNP, RN, MSN, ANP-BC, CNRN, New York University School of Medicine, 03/29/2012 - 07/01/2016 Research Mentor: Analyzing the value of bilateral intracranial EEG studies, Published manuscript

Mary Miceli, DNP, ACNP-BC, MA, CNRN, New York University School of Medicine, 03/29/2013 - 07/01/2016 Research Mentor: analyzing the value of bilateral intracranial EEG studies, Published manuscript

Clinical Staff

Linda Allen, RN, Froedtert Hospital, 07/01/2017 - 12/30/2019 Research Project Mentorship, The quality improvement project on psychogenic non-epileptic events was presented at the American Epilepsy Society meeting December 2018.

PROGRAMMATIC DEVELOPMENTS:

Educational Programs

Fellow

07/01/2013 - 06/30/2014 Reviewed and restructured Clinical Neurophysiology Fellowship curriculum.

06/01/2015 - 07/15/2015 Redesigned all evaluations for Clinical Neurophysiology Fellows along the concept of Entrustable Professional Activities and mapped these to corresponding Milestones.

06/01/2015 - 07/15/2015 Restructured fellow evaluations of faculty and rotations as well as 360 evaluations to improve usability and quality of data based upon published studies on evaluations.

02/01/2016 - 06/30/2017 Developed a formal Epilepsy Fellowship program recognized and approved by MCWAH compliant with ACGME regulations; fully accredited by the ACGME.

02/01/2022 - 05/01/2023 Transition leadership of Clinical Neurophysiology and Epilepsy fellowships. Prepare for and make the transition to the Match for Epilepsy and CNP.

Resident

05/01/2014 - 07/01/2014 Developed and implemented a system (GMETs) for managing the activities of the residents in the Neurology Program and fellows in Clinical Neurophysiology and Epilepsy for the Department of Neurology.

06/01/2014 - 07/01/2014 Developed a structured sub-curriculum in Neuroanatomy for residents.

06/15/2014 - 08/01/2014 Collaborated with Wes Rood and Dr. Jennifer Connely on the implementation

and launch of the Medical Education Evaluation System for monitoring milestone-based evaluations for ACGME programs.

06/15/2014 - 09/01/2015 Worked with Dr. Diane Book to develop and implement a structured curriculum in Patient Safety Quality Improvement to complement resident projects and general fund of knowledge.

07/01/2014 - 07/01/2015 Developed a new, comprehensive Neurology Resident lecture curriculum with lectures mapped to appropriate reading to encourage independent study. Curriculum implemented 7/1/2015.

07/01/2014 - 07/01/2015 Adapted the newly redesigned Neuroanatomy Curriculum and Neurology Resident Curriculum to the 3-hour Academic Half Day model. Lectures were restructured when needed and topics added.

07/02/2014 - 04/01/2015 Developed a transition to an Academic Half Day curriculum implemented (with weekly 3 hour sessions) fully July 1, 2015.

06/01/2015 - 07/15/2015 Restructured resident evaluations of faculty and rotations as well as 360 evaluations to improve usability and quality of data based upon published studies on evaluations.

11/01/2015 - 01/01/2016 Reviewed policies and procedures for residents and fellows and led the efforts to revise, update and unify all policies to improve oversight, understanding, and equity amongst trainees.

01/01/2016 Implemented a new, innovative evaluation strategy for residents utilizing Entrustable Professional Activities.

07/01/2016 - 06/30/2017 Developed a boot camp integrated in the Neurology clinic rotation to provide "ride along" night float experiences and didactic teaching to facilitate the transition to PGY2 Neurology residents.

07/01/2016 - 07/01/2017 Requested and received approval for a complement increase for the Adult Neurology residency from 20 to 22 residents on 10/21/2016. Recruitment for an additional intern began 2016-2017.

07/01/2018 - 09/30/2019 Developed a Neurophysiology Bootcamp rotation for Neurology Residents, Clinical Neurophysiology Fellows, and Epilepsy Fellows.

12/01/2020 - 04/01/2021 Revised the Neurology evaluations to align with the Milestones 2.0 for Neurology which will be implemented July 2021.

01/01/2022 - 07/01/2024 Developed 5+1 schedule for Adult Neurology Residency to enhance the learning opportunities for all residents.

03/01/2023 - 10/01/2023 Transitioned Adult Neurology Residency program to Thalamus platform for review of applications and interview including restructure of scoring and rating algorithms.

Research Programs

2006 - 2015 For the NYU School of Medicine a clinical and research reporting and registry system was developed and maintained for work involving electrophysiology, neuroimaging, and classification

2006 - 12/14/2012 For the NYU School of Medicine, worked with Dr. Thomas Thesen with the support of Drs. Devinsky and Kuzniecky to establish the neuroimaging research group with 17 publications during my time there.

2006 - 12/14/2012 For the NYU School of Medicine, worked with Dr. Thomas Thesen, with the support of Drs. Devinsky and Kuzniecky, to build the intracranial research collaboration across labs and institutions

08/01/2018 - 05/01/2023 Collaborated with Neurology Program Directors around the United States to develop a multi-center study of active learning methods in Neurology Graduate Medical Education.

Clinical Programs

2006 - 12/14/2012 For the NYU Langone Medical Center provided physician leadership for the upgrade of the 26 fixed and 16 mobile video-EEG systems and provided day-to-day monitoring of operations.

2006 For the NYU Langone Medical Center, organized all services of the epilepsy surgery (special procedures) service across providers and took over day-to-day clinical and administrative

01/15/2012 - Present Continue to build and recruit to the Epilepsy program with Dr. Manoj Raghavan. Have gone from 3 to 6 faculty.

12/01/2013 - 06/01/2014 Worked with multidisciplinary team to streamline the Epilepsy triage process for new referrals to align better with the departmental and institutional process goals.

01/01/2015 - 07/01/2015 Identified a candidate and worked with Tammy Bamlett, Dr. Manoj Raghavan,

and Dr. Chris Anderson to transition technical leadership in the MEG to improve clinical and academic output.

COMMUNITY SERVICE ACTIVITIES:

- 05/22/2013 Froedtert & The Medical College of Wisconsin Community Education: Epilepsy 101. Milwaukee, WI
10/22/2014 Froedtert Epilepsy Support Group: Women's Issues in Epilepsy. Milwaukee, WI
06/28/2017 Froedtert Epilepsy Support Group. Epilepsy Q&A Session. Milwaukee, WI
05/22/2019 Froedtert Epilepsy Support Group. Epilepsy Q&A. Milwaukee, WI
01/28/2021 Epilepsy Foundation Wisconsin. Lecture and Q&A Session. "Breakdown of Seizure Types"

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. **Carlson C**, Britt WJ, Compton T. Expression, purification, and characterization of a soluble form of human cytomegalovirus glycoprotein B. *Virology*. 1997 Dec 08;239(1):198-205.
2. **Carlson C**, St Louis EK. Vacuum cleaner epilepsy. *Neurology*. 2004 Jul 13;63(1):190-1.
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75. Pankratz J, Shuntaro S, Struck A, Nair V, Birn R, Dabbs K, Mathis J, Hwang G, Maganti R, Felton EA, DeYoe E, Humphries CJ, Ustine C, Almane D, McMillan T, Nencka A, Conant LL, **Carlson C**, Anderson CT, Hermann B, Prabhakaran V, Binder JR, Meyerand B, Boly M. Increased Short-Range Functional MRI Connectivity in Limbic Network Correlates With Seizure Frequency and Cognitive Impairment in Temporal Lobe Epilepsy Patient. 72nd Annual Meeting of the American Epilepsy Society; 2018 November 30-December 3; New Orleans, LA.
76. Allen LS, Klink K, Schroeter K, **Carlson C**. Emergency Department Visits After Receiving Psychogenic Non-Epileptic Events (PNEE) as a Diagnosis. 72nd Annual Meeting of the American Epilepsy Society; 2018 November 30-December 3; New Orleans, LA.
77. Bauer PM, Swanson SJ, Sabsevitz DS, Humphries CJ, Rozman M, Raghavan M, Mueller WM, Allen LS, Conant LL, Gross WL, Anderson CT, **Carlson C**, Schwartz L, Busch RM, Lower MJ, Langfitt JT, Tivarus M, Drane DL, Loring DW, Jacobs ML, Morgan VL, Szaflarski J, Bonilha L, Binder JR. Hippocampal Volume Is Predictive of Story Memory But Not Word List Memory Decline Following Left Anterior Temporal Lobe Surgery. 72nd Annual Meeting of the American Epilepsy Society; 2018 November 30-December 3; New Orleans, LA.
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79. Champeau D, **Carlson C**, Anderson CT, Thompson S, Bauer P, Allen L, Stout J, Swason SJ, Binder JR, Lew S, Mueller W, Vuppala A, Raghavan M. Utility of MEG in Evaluations for Epilepsy Surgery: A 10-year Review from a Single Epilepsy Center. 73rd Annual Meeting of the American Epilepsy Society; December 6-10, 2019; Baltimore, MD
80. Billakota S, Becker L, Dugan P, **Carlson C**, French JA. Epilepsy Surgery Grading Scale Predicts Early and Late Recurrence of Seizures After Epilepsy Surgery. 73rd Annual Meeting of the American Epilepsy Society; December 6-10, 2019; Baltimore, MD
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82. Binder JR, Pillay SA, Tong JQ, Gross WL, Mueller W, Raghavan M, Conant LL, Allen L, Anderson CT, **Carlson C**, Fernandez L, Humphries CJ, Schwartz L, Busch RM, Langfitt JT, Tivarus M, Loring D, Szaflarski JP, Morgan VL, Bonilha L, Swanson SJ. Anterior Temporal Lobe Regions Critical for Picture Naming: Voxel-Based Lesion-Symptom Mapping in Patients Undergoing Left Temporal Lobe Resection. 73rd Annual Meeting of the American Epilepsy Society; December 6-10, 2019; Baltimore, MD
83. Sandrone S, Berthaud J, **Carlson C**, Cios J, Dixit N, Farheen A, Kraker J, Owens J, Patino G, Sarva H, Weber D, Schneider L. Strategic considerations for applying the flipped classroom to neurology education. 72nd Annual Meeting of the American Academy of Neurology; April 25-May 1, 2020; Toronto, Canada. In-person meeting cancelled due to COVID-19.
84. Sandrone S, Berthaud J, **Carlson C**, Cios J, Dixit N, Farheen A, Kraker J, Owens J, Patino G, Sarva H, Weber D, Schneider L. Flipped classroom in neurology: principles, practices, and perspectives. 72nd Annual Meeting of the American Academy of Neurology; April 25-May 1, 2020; Virtual Meeting. (In person Toronto, Canada cancelled due to COVID-19).
85. Pandya V and **Carlson C**. Anti-Seizure Drug Usage Prior to Pre-Surgical Evaluation. 74th Annual Meeting of the American Epilepsy Society; December 4-8, 2020; Virtual Meeting (Seattle, WA in person cancelled due to COVID19).

86. Youssofzadeh V, Stout J, Shah-Basak P, Ustine C, Humphries C, Gross WL, Mathis J, Conant L, Awe E, Allen L, DeYoe EA, Nencka A, **Carlson C**, Anderson CT, Almane D, Maganti R, Hermann B, Prabhakaran V, Raghavan M, Binder JR. 74th Annual Meeting of the American Epilepsy Society; December 4-8, 2020; Virtual Meeting (Seattle, WA in person cancelled due to COVID19).
87. Kangas K, Oleksy A, Janecek J, Pillay S, Umfleet L, Raghavan M, **Carlson C**, Anderson C, Lew S, Swanson S J. Language and memory outcome after frontal or temporal resection for epilepsy. 2023. International Neuropsychological Society. San Diego, CA.
88. Sawalha A, Anderson CT, **Carlson C**. Responsive neurostimulation device use in patients with epilepsy and psychogenic non-epileptic events. Case report and Healthcare expenditure analysis related to neuromodulation therapy in Epilepsy patients. Annual Meeting of the American Academy of Neurology. April 22-28, 2023. Boston, MA.
89. Sawalha A, Anderson CT, **Carlson C**. Responsive neurostimulation device use in patients with epilepsy and psychogenic non-epileptic events. Case report and Healthcare expenditure analysis related to neuromodulation therapy in Epilepsy patients. Annual Meeting of the American Epilepsy Society. December 1-5, 2023. Orlando, FL.
90. Pilet J, Luo T, **Carlson C**, Anderson C, Mueller W, Lew S, Beardsley S, Raghavan M. Interictal ECoG Features Derived from Functional Connectivity Improve the Prediction of Seizure Onset Zones Using Machine Learning. Annual Meeting of the American Epilepsy Society. December 1-5, 2023. Orlando, FL.
91. Shah-Basak P, Youssofzadeh V, Ustine C, Anderson C, **Carlson C**, Gross W, Humphries C, Stout J, Meyerand M, Hermann B, Conant L, Binder J, Raghavan M. Theta-band hyperconnectivity is negatively correlated with cognition in left temporal lobe epilepsy. Annual Meeting of the American Epilepsy Society. Platform presented by P Shah-Basak. December 1-5, 2023. Orlando, FL.
92. Castro AL, Treat R, Malinowski M, Fairbanks S, Simenz C, Willie C, Zundel T, Georgeades C, Francis J, **Carlson C**, Longo J, Ovide J, De Santis J. A Community Outreach-Based Healthcare Disparities Curriculum Integrated into Professional Development for Graduate Medical Education Trainees: A Mixed-Methods Analysis of Pilot Year One, Association of American Medical Colleges Learn Serve Lead Conference, Atlanta, GA, 11/08/2024 - 11/12/2024.