Lisa C. Roeske-Anderson, M.D. Diplomate of the American Board of Psychiatry and Neurology American Board of Medical Specialties Fellowship-Trained, EMG/Neurophysiology Sports Neurology, AAN

Education and Training

Undergraduate:

1984-1988 Swarthmore College B.A.

Major: Neurobiochemistry Swarthmore, Pennsylvania

Graduate:

1988-1992 University of Arizona School of Medicine M.D.

Tucson, Arizona

Fall 1991 National Institutes of Health (NIH)

Guest Researcher in Psychopharmacology

Bethesda, Maryland

Postgraduate:

1992-1993 Emory University Affiliated Hospitals Internal Medicine Internship

Atlanta, Georgia

1993-1996 Emory University Affiliated Hospitals Neurology Residency

Atlanta, Georgia

1996-1997 Emory University Affiliated Hospitals Clinical Neurophysiology Fellowship

Atlanta, Georgia

Leadership Training:

2011 UPMC-PSD/Katz Physician Leadership Certificate Program

University of Pittsburgh Medical Center & Joseph M. Katz Graduate School of

Business Center for Health and Care Work

Pittsburgh, Pennsylvania

Project: Expanding the Out-Patient Neurology Infusion Center

Appointments and Positions

2020-present Marcus Institute for Brain Health Assistant Professor

Department of Neurology

University of Colorado | Anschutz Medical Campus

2020-present	Behavioral Neurology Department of Neurology	Assistant Professor
	University of Colorado Anschutz Medical Campus	
2013-2019	BlueSky Neurology, CarePoint Health, LLC Greenwood Village, Colorado	Associate Neurologist
1999-2012	Department of Neurology University of Pittsburgh Medical Center (UPMC) Pittsburgh, Pennsylvania	Assistant Professor

1997-1999 Marietta Neurological Associates, P.C. Associate Neurologist

Marietta, Georgia

Certification and Licensure

Board Certification:

1993 National Board of Medical Examiners

1997-2007 American Board of Psychiatry and Neurology (ABPN) 2007-2017 Maintenance of Certification in Neurology (ABPN)

2017-present Continuous Maintenance of Certification in Neurology (C-MOC)

Medical Licensure:

2022-present	Interstate Medical Licensure Compact (IMLC)	Active
2013-present	Colorado	Active
1999-2012	Pennsylvania	Inactive
1996-1999	Georgia	Inactive

Memberships in Professional and Scientific Societies:

2022-present American Neuropsychiatric Association (ANPA)

2021-present Colorado Headache Society (COHAS)

2015-present AAN Sports Neurology Section 2013-present Colorado Neurological Society

1994-present American Academy of Neurology (AAN)1988 Sigma Xi Scientific Research Society

Peer Reviewed Publications

Roeske-Anderson, L., Elliott, G., Carlisle, T.C., Filley, C.M., Tree Drawing Analysis in the Evaluation of Traumatic Brain Injury: Preliminary Observations. The Journal of Neuropsychiatry and Clinical Neuroscience 34:3, 295, P53. Summer 2022. https://doi.org/10.1176/appi.neuropsych.20223401.

Lacomis, D., Roeske-Anderson, L.C., Mathie, L., Neuropathy and Fabry's Disease. Muscle Nerve 31: 102-107, 2005. Neuropathy and Fabry's disease

Roeske LC, Kennedy PR. Images in clinical medicine. Syphilitic gummas in a patient with human immunodeficiency virus infection. N Engl J Med. 1996 Oct 10;335(15):1123. doi: 10.1056/NEJM199610103351506. PMID: 8813043. Syphilitic Gummas in a Patient with Human Immunodeficiency Virus Infection

Roeske, L C, and A P Auchus. "Neuropeptide Changes in Cortical and Deep Gray Structures in Alzheimer's Disease." *Rev Neurosci* 6.4 (1995): 317–328. **PMID:** 8845972 https://doi.org/10.1515/REVNEURO.1995.6.4.317

Krendel, D.A., Reid C., Roeske, L.C., Persistent Weakness Following Atracurium and Corticosteroid Administration, Muscle and Nerve, 19:1124, 1994. Persistent weakness following atracurium and corticosteroid administration - University of Colorado Anschutz Medical Campus

Hawkins KN, Knapp RJ, Gehlert DR, Lui GK, Yamamura MS, **Roeske LC**, Hruby VJ, Yamamura HI. Quantitative autoradiography of [3H] CTOP binding to mu opioid receptors in rat brain. Life Sci. 1988;42(25):2541-51. doi: 10.1016/0024-3205(88)90322-0. PMID: 2898716 PII: 0024-3205(88)90322-0

Posters and Abstracts

Dylan George PharmD, Ashley McCann PT, Kayla Crowder PT, Kelsey Schwander PharmD, **Lisa Roeske-Anderson**, **MD**, Mild-Moderate Traumatic Brain Injuries: Reference Guide to Medications and Potential Impacts on Physical Therapy Evaluation and Intervention, American Society of Health System Pharmacists (ASHP) National Meeting, December 2023

Roeske-Anderson, L., Elliott, G., Carlisle, T.C., Filley, C.M., Tree Drawing Analysis in the Evaluation of Traumatic Brain Injury: Preliminary Observations, University of Colorado Department of Neurology Research Day, June 2022

Roeske-Anderson, L., Elliott, G., Carlisle, T.C., Filley, C.M., Tree Drawing Analysis in the Evaluation of Traumatic Brain Injury: Preliminary Observations, American Neuropsychiatric Association International Meeting, March 2022

Krendel, D.A., Reid C., **Roeske, L.C.**, Persistent Weakness Following Atracurium and Corticosteroid Administration. American Association of Electrodiagnostic Medicine (AAEM) Annual Scientific Meeting, October 1994

Additional Research Activities

1989-1990 Medical Student Research Training Program Fellowship University of Arizona, Department of Cellular Biology Designed and conducted animal studies on the regeneration of olfactory n. in Xenopus. Sponsor: Gail Burd, PhD, Developmental Neurobiology 1991 National Institutes of Health (NIH) Guest Researcher in Psychopharmacology Evaluated biochemical and therapeutic effects of a glycine-analog in patients with OCD Sponsor: Judith L. Rapoport, MD, Chief of Child Psychiatry 1994-1996 CD59 Immunopathogenesis of the Guillain-Barre Syndrome: Role of Humoral Immunity, Terminal Complement Activation, and CD59 PI: William D. Ratnoff, MD Co-Investigator: Linton Hopkins, MD Role: Patient recruitment, CSF acquisition of clinical and control subjects 2005-2006 Clinical trial involving the natural history of Bortezomib (Velcade) neuropathy PI: Frank Lieberman, MD Role: Patient recruitment Hausheer, Frederick H et al. "Diagnosis, Management, and Evaluation of Chemotherapy-Induced Peripheral Neuropathy." Seminars in oncology. 33.1 (2006): 15–49. https://cuanschutz.primo.exlibrisgroup.com/discovery/openurl?institution=01UCOHS I NST&vid=01UCOHS INST:01UCOHS&id=pmid:16473643&sid=Entrez:PubMed 2001-2006 Data Safety and Monitoring Board for multiple studies: Skye 167 (2001-2003), Skye 196 (2001-2006) and NS2330 1198.0 (2003-2005) PI: Nicholas Bohnen, MD 2008-2012 Data Safety and Monitoring Board for study: Does medication reconciliation improve health outcomes in older patients? PI: Judy Saxton, PhD 2021-present COMIRB 20-3131: Features and Themes of Tree Drawing Test Performed During Art Therapy for Multidisciplinary Treatment of Traumatic Brain Injury PI: Lisa Roeske-Anderson, MD Project Description: To identify specific features of the tree drawing test (TDT) that correlate with clinical diagnoses and characteristics in a population of patients with prior traumatic brain injury (TBI) who often have other co-morbid psychological disorders including major depressive disorder (MDD), anxiety, and post-traumatic stress disorder (PTSD) as well as cognitive impairment 2022-present COMIRB protocol 19-0049: Investigating cortical networks disruption and rehabilitation after traumatic brain injury PI: Isabelle Buard, PhD Role: Co-Investigator and patient recruitment Project Description: To investigate aberrant patterns of oscillations in a broad range (0.5-80Hz) of frequencies in the mild TBI population before and after an intensive treatment program occurring at MIBH using magnetoencephalography (MEG). 2024-present COMIRB protocol 24-1598: Prescription Medications and Physical Therapy Practice Considerations in Traumatic Brain Injury PI: Kelsey Schwander, Pharm D, CBIS

Role: Co-Investigator and study design

2025-present COMIRB Trial 19-2727: Phase II Trial to Evaluate Safety and Efficacy of GM-

CSF/Sargramostim in mild-moderate Alzheimer's Disease

PI: Huntington Potter, PhD

Role: Clinical Sub-Investigator for Neurology and supported by research mentor Enrique

Alvarez, MD Professor of Neurology and Vice-Chair of Clinical research

Project Description: This clinical trial, an NIH funded phase 2 double-blind, placebocontrolled, clinical trial, is designed to evaluate if long-term use of Sargramostim (recombinant human GM-CSF) is safe and tolerable, can slow, halt, or reverse cognitive

decline and activities of daily living, and improve biomarkers associated with

Alzheimer's disease (AD) in participants with mild-to-moderate AD. This trial builds upon

the results from a completed Phase 2 clinical trial in the same population

(NCT01409915, COMIRB#12-1273, https://doi.org/10.1002/trc2.12158) that tested whether modulation of the innate immune system might be used as a therapeutic

intervention to treat AD.

Honors and Awards

1989-1990	Vice President of American Medical Student Association. University of Arizona Chapter
1990-1991	Initiated and obtained funding for the Adolescent Substance Abuse Prevention (ASAP)
	Project funded by Federal Department HHS Grant. Community presentations.
1992	Neuropathology Research Award. University of Arizona School of Medicine
1996	TOP Scholar Fellow Program travel award recipient to a National Epilepsy Meeting
	Emory University Department of Neurology, Ortho-McNeil Pharmaceutical
2010	Access to Care Committee Service Award- acknowledged for Department of Neurology's
	improved access to care time for General Neurology (reduced from 5 weeks to 72 hours)
2011	UPMC Development in Leadership Award
	SOM award to participate in the UPMC/Katz Physician Leadership Certificate Program
2011-2015	America's Top Physicians, Pennsylvania
2018-2019	Grand Rounds Trusted Physician, Colorado
2015-2020	Top Doctor Award, Colorado
2024	Work Hard and Be Nice to People Nominee recipient University of Colorado SOM
2025	Recognized for Collaboration and for Leading the Medical Team at MIBH
	University of Colorado SOM

Other Professional Activities

2009-2010	National Examiner for Oral Board section of the American Board of Psychiatry and
	Neurology (Adult Neurology, Neuromuscular)
2017-2019	National NFL Concussion Settlement: Diagnosing physician certification
2020-present	Service to a National Organization - Avalon Action Alliance
	This organization delivers life-changing treatment to veterans and first responders who
	have sustained traumatic brain injuries

Invited University Lectures

12/6/2006	Speaker, "In-Patient and Out-Patient HOT Cases"
	Presentation with Dr. Simin Khavandgar: Polydipsia and Paraneoplastic Encephalitis
	University of Pittsburgh Department of Neurology Grand Rounds
1/31/2007	Speaker, "In-Patient and Out-Patient HOT Cases"
	Title: Multiple Ring Enhancing Lesions in MS
	University of Pittsburgh Department of Neurology Grand Rounds
2/28/2007	Co-Moderator, "In-Patient and Out-Patient HOT Cases"
	University of Pittsburgh Department of Neurology Grand Rounds
3/28/2007	Co-Moderator, "In-Patient and Out-Patient HOT Cases"
	University of Pittsburgh Department of Neurology Grand Rounds
10/24/2007	Speaker, "In-Patient and Out-Patient HOT Cases"
	Title: Motor Neuron Disease
	University of Pittsburgh Department of Neurology Grand Rounds
12/19/2007	Co-Moderator, "In-Patient and Out-Patient HOT Cases"
	University of Pittsburgh Department of Neurology Grand Rounds
1/31/2008	Co-Moderator, "In-Patient and Out-Patient HOT Cases"
	University of Pittsburgh Department of Neurology Grand Rounds
3/12/2008	Speaker, "In-Patient and Out-Patient HOT Cases"
	Title: CIDP and Pregnancy
	University of Pittsburgh Department of Neurology Grand Rounds
10/1/2008	Co-Moderator, "In-Patient and Out-Patient HOT Cases"
	University of Pittsburgh Department of Neurology Grand Rounds
12/10/2008	Speaker, "In-Patient and Out-Patient HOT Cases"
	Title: <u>Pseudotumor Cerebri</u>
	University of Pittsburgh Department of Neurology Grand Rounds
1/28/2009	Co-Moderator, "In-Patient and Out-Patient HOT Cases"
	University of Pittsburgh Department of Neurology Grand Rounds
3/11/2009	Speaker, "In-Patient and Out-Patient HOT Cases"
	Title: Foot Drop and Autonomic Dysfunction in MS
	University of Pittsburgh Department of Neurology Grand Rounds
9/30/2009	Co-Moderator, "In-Patient and Out-Patient HOT Cases"
	University of Pittsburgh Department of Neurology Grand Rounds
1/27/2010	Speaker, "In-Patient and Out-Patient HOT Cases"
	Title: Myasthenia Gravis
	University of Pittsburgh Department of Neurology Grand Rounds
3/3/2010	Co-Moderator, "In-Patient and Out-Patient HOT Cases"
	University of Pittsburgh Department of Neurology Grand Rounds
9/29/2010	Co-Moderator, "In-Patient and Out-Patient HOT Cases"
	University of Pittsburgh Department of Neurology Grand Rounds
11/17/2010	Co-Moderator, "In-Patient and Out-Patient HOT Cases"
	University of Pittsburgh Department of Neurology Grand Rounds

1/26/2011	Co-Moderator, "In-Patient and Out-Patient HOT Cases" University of Pittsburgh Department of Neurology Grand Rounds
3/30/2011	Speaker, "In-Patient and Out-Patient HOT Cases" Title: <u>HyperCKemia</u> University of Pittsburgh Department of Neurology Grand Rounds
5/25/2011	Co-Moderator, "In-Patient and Out-Patient HOT Cases" University of Pittsburgh Department of Neurology Grand Rounds
6/11/2020	Speaker, <u>Chronic Post-Traumatic Headache</u> Marcus Institute for Brain Health, University of Colorado
7/30/2020	Speaker, Neurology Evaluation National Training Session for Avalon Action Alliance Tulane University Center for Brain Health
9/14/2022	Speaker, A Practical Approach to Post-Traumatic Headache University of Colorado Department of Neurology Grand Rounds
4/26/2024	Speaker, Mild to Moderate Traumatic Brain Injury: Reference Guide to Medication Impacts on Physical Therapy 4 th Annual Partnerships for Veteran & Military Health National Conference Aurora, Colorado
5/22/2024	Speaker, <u>Post-Traumatic Headache</u> Headache Didactic Module for Neurology Residents Department of Neurology, University of Colorado
4/11/2025	Speaker, <u>Brain Health Moving Forward- TBI 2.0</u> Educational Session for Army Special Forces Rangers- 75 th Ranger Regiment- Active Duty Marcus Institute for Brain Health, University of Colorado
5/15/2025	Speaker, TBI 101 Patients attending the MIBH Intensive Outpatient Program Marcus Institute for Brain Health, University of Colorado
5/21/2025	Co-moderator with Ethana Lam, Pharm D, Exploring the Impact of Medications, Supplements, and Substances on Traumatic Brain Injury and Brain Health Pharmacy Group Session for Army Special Forces Rangers Marcus Institute for Brain Health, University of Colorado
5/28/2025	Speaker, TBI 2.0 Educational Session for Army Special Forces Rangers- Active Duty and Retired Marcus Institute for Brain Health, University of Colorado
5/28/2025	Speaker, <u>Post-Traumatic Headache</u> Headache Didactics for Neurology residents, Headache Fellows, PA, and NP Department of Neurology, University of Colorado
6/5/2025	Speaker, TBI 101 Patients attending the Intensive Outpatient Program, MIBH University of Colorado
6/6/2024	Speaker, TBI 101 Family members of patient attending the Intensive Outpatient Program, MIBH University of Colorado

Teaching

1999-2012	Preceptor, Medical Students (MSIII, MSIV) in General Neurology Clinic at UPMC
1999-2012	Preceptor, Neurology Residents in General Neurology Clinic at UPMC
1999-2012	Preceptor, EMG lab UPMC: Neuromuscular Fellows, Neurology Residents, Physical
	Medicine & Rehab Residents, Pediatric Neurology Residents/Fellows
1999-2012	Lecturer, Neuromuscular lectures at UPMC for Neuromuscular fellows
1999-2012	Lecturer, Department of Neurology "Boot Camp" for Residents every July
	Tapped by the Residency program director to reimagine "Bootcamp" (2005)
	Bootcamp is a 2-week long, full-time intensive learning experience to ease
	the transition from internship to PGY2 Neurology residency
2007-2011	Developed and Co-Directed the Case-Based Grand Round Series at UPMC
2009	Mentor, Neurology resident's presentation (Jacqueline Nicholas, MD) at Consortium of
	Multiple Sclerosis Centers (CMSC) meeting in May 2009 in Atlanta, GA
2012-2019	Teaching rotating medical students and DO candidates in community care setting in
	Colorado (BlueSky Neurology Swedish and Landmark locations)
2016-2019	Preceptor, Advanced Practice Providers (Nurse Practitioner, Physician Assistant) at
	BlueSky Neurology Swedish and Landmark locations
2020-present	Preceptor, Behavioral Neurology Fellows at the Marcus Institute for Brain Health (MIBH)
	2020 (spring): Zachary Macchi, MD, Jakob Mrozewski, MD
	2020-2022: Tara Carlisle, MD, PhD- co-author of abstract: Tree Drawing Analysis in the
	Evaluation of Traumatic Brain Injury: Preliminary Observations. The Journal of
	Neuropsychiatry and Clinical Neuroscience 34:3, 295, P53. Summer 2022.
	2022-2023: Austin Momii, MD
	2023-2024: Morgan Farley, MD
2020-present	Preceptor, Neuropsychology doctorate candidates at MIBH who are rotating with
	Catherine Johnston-Brooks, PhD and Katherine Hartnack Gionet, PsyD
2021-present	Preceptor, Pharmacology students who are rotating with Kelsey Schwander, Pharm.D.
	2023 Poster Presentation with pharmacology student Dylan George
2022-present	Neuropathology Lab Attending for University of Colorado Medical Students
	2022 (Spring): Age-Related/Degenerative Station- first year medical students
	"Top Box" for teaching evaluation
2022-present	Lead Physician for Neuropathology Trauma Station (160-170 medical students)
	2022 (Fall): Trauma Station- third year medical students: IDPT 5022- Nervous System
	2023 (Spring) Trauma Station- first year medical students: IDPT 5022 Nervous System
	2024 (Spring) Trauma Station- first year medical students: IDPT 5022 Nervous System
	2025 (Spring) Trauma Station- first year medical students: IDPT 5022 Nervous System
	"Top Box" for several teaching evaluations
2022	Advanced Sciences Advanced Neurosciences: IDPT 8037- Nervous System (Fall);
	teaching 3 rd year medical students (MSIII) as part of the Trek curriculum; it is a mixed
	clinical and didactic course and serves at the primary clinical exposure to Adult and
	Child Neurology; topic was degenerative diseases (AD, PD)
	"Top Box" for teaching evaluation

2023-present	Preceptor, Rotating Headache Fellows at MIBH (pediatric and adult)
	2023 (Spring): Liz Ackley, MD (pediatric). LAUNCH team mentor (2025)
	2023-2024: John (Kyle) Jenkins, MD (adult)
	2024 (Spring) Scott Rosenthal, MD (pediatric)
2024-present	Preceptor, Rotating Department of Neurology Residents
	2024: Justin Murphy, MD (PGY-3)
2025-present	Preceptor, Rotating University of Colorado Medical students interested in Neurology
	2025: Julia Schaffer (MS-4, Air Force, Health Professional Scholarship Program)

<u>Service</u>

1997-1999	EMG, EEG, Intraoperative Neurophysiologic Monitoring (IOM), Visual Evoked Potentials,
	Brainstem Auditory Evoked Responses, In-Patient Neurocritical Care
1999-2012	Kennestone Hospital in Marietta, GA
1999-2012	EMG lab (In-patient and out-patient) Montefiore and Presbyterian Hospitals in Pittsburgh, PA
1999-2012	Neuromuscular Clinic- Faculty participant for 2nd opinion cases UPMC
1999-2012	University of Pittsburgh University Senate
2001-2011	Expert testimony/consultation on neuromuscular civil cases Pittsburgh, PA
2001-2011	Expert testimony/consultation on fraumatic brain injury civil cases Pittsburgh, PA
2001-2011	Infusion Center Attending, University of Pittsburgh Medical Center, Supervise IVIG
2004 2012	infusions for patients with GBS and CIDP. TOUCH Certification for Tysabri (2011)
2007-2011	Developed and Co-Directed the Grand Rounds Teaching Series with John Doyle, MD
2007 2011	Department of Neurology, UPMC
2009-2011	Diversity Committee- Department of Neurology Representative, UPMC
2009-2011	Founded the UPMC Department of Neurology "Women In Neurology" group in 2009.
	By 2011, the Department established a dedicated position for Chief of Women's
	Neurology. As one of the few dedicated women's programs in the nation, and the only
	program in PA, the Women's Neurology Division at UPMC specializes in the
	comprehensive care of women with neurological conditions.
2009-2010	Access to Care Committee- Dept. of Neurology Representative, UPMC
	72-hour Access to Care Clinic implementation
	Service Award (2010)
2009-2010	Co-Developed Neurology EMR templates (EPIC) with Asim Roy, MD
2010-2012	UPMC Sports Medicine Concussion Clinic- Neurology faculty consultant
2011	UPMC-PSD/Joseph M. Katz Graduate School of Business Project Presentation: Expansion
	of Center- Proposal for Expanding the Out-Patient Neurology Infusion Center
2012	Expanded Department of Neurology Infusion Center was operational in January 2012
2013-2020	Swedish Hospital Privileges in Englewood, Colorado
2013-2016	Attending, EMG lab- BlueSky Neurology, Swedish location
2013-2019	Concussion Clinic- Primary neurologist who coordinated complex concussion care with
	Swedish Medical Center and regional Vestibular PT, OT, Vision therapy and Cognitive
	therapy. Patients referred to our clinic from all CO regional systems including VAMC,
	Craig Hospital, CNI, Kaiser, and UCH. Patients included college and professional athletes

2013-present	Expert testimony/consultation on traumatic brain injury civil cases Denver, CO
2014-2018	Colorado Neurological Institute
2015-present	Sports Neurology, AAN
2016-2017	Attending, EMG lab- BlueSky Neurology, Landmark location, Greenwood Village
2017-2019	NFL Concussion Settlement: Diagnosing physician certification
2020-present	Marcus Institute for Brain Health (MIBH)- care of veterans who have experienced
2020 procent	chronic symptoms related to history of multiple mild-moderate TBI
2020-present	Supervision of all services related to the MIBH Intensive Outpatient Program including
	physical therapy, clinical psychology, speech and language pathology, neuropsychology, art therapy, integrative therapy, and clinical pharmacology
2020-present	Service to a national organization Avalon Action Alliance (formerly Avalon Network)
2020-2021	 Developed and implemented MIBH Neurology Telehealth services during pandemic. Created telehealth document for pts with mild to moderate TBI
	Telehealth document shared with the National Avalon Action Alliance and
	Tulane University Center for Brain Health
2020-present	MIBH care extended from Veterans to include First responders (2021),
	Elite athletes (2024), Active duty Special Forces (2024)
2021-present	Colorado Headache Society active member
·	 Miles for Migraine Fund Raising (2023, 2024, 2025)
2021-present	Wellness Committee member, UC SOM, Department of Neurology
	The Good Listening Project - Listener-Poet
	 Mentor program (medical students, residents, fellows, faculty)
	Reduction in Physician Burnout
	Support following maternity and other extended leave
2021-present	Diversity Equity and Inclusion Committee member, UC SOM, Department of Neurology
2023-present	TBI Task Force member, University of Colorado - collaborative efforts with SOM
	Departments of Neurosurgery, Physical Medical and Rehab, and Neurology
	 Developed with Interdisciplinary Task Force- UC SOM Clinical EPIC Pathway for
	moderate-severe TBI (2024)
	 Solely developed section for post-traumatic headache (PTH)
	Concussion Clinic Program Expansion
2024-present	Substance Use Form, Co-author of standardized safety form for MIBH patients
2025-present	LAUNCH team mentor for Elizabeth Ackley, MD, Pediatric Neurology, Children's
	Hospital, University of Colorado SOM