

Biographical Information

Current Position:

2014-present Associate Professor
Department of Neurosurgery
University of Colorado School of Medicine
12631 East 17th Avenue, C307, Aurora, CO 80045
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2014-present Associate Professor (secondary appointment)
Department of Neurology
University of Colorado School of Medicine

Education

1993-1996 Bachelor of Arts, Magna cum Laude
English Major; Psychology Minor
Occidental College, Los Angeles, California

1997-2000 Master of Science
Psychology
University of North Texas, Denton, Texas

2000-2003 Doctor of Philosophy
Clinical Psychology; Emphasis in Neuropsychology
University of North Texas, Denton, Texas

2002-2003 Neuropsychology Specialty Internship
Departments of Psychiatry & Rehabilitation Medicine
Emory University School of Medicine, Atlanta, Georgia

2003-2005 Neuropsychology Postdoctoral Fellowship
Department of Psychiatry
University of Texas Southwestern Medical Center, Dallas, Texas

Academic Appointments

2007-2008 Adjunct Assistant Professor
Graduate School of Professional Psychology
University of Denver, Denver, Colorado

- 2008-2010 Clinical Instructor (part-time)
Student and Community Counseling Center
University of Colorado Denver, Denver, Colorado
- 2009-2010 Assistant Professor
Department of Medicine, Division of Psychosocial Medicine
National Jewish Health, Denver, Colorado
- 2011-2014 Assistant Professor
Department of Neurosurgery
University of Colorado School of Medicine, Aurora, Colorado
- 2011-2014 Assistant Professor (secondary appointment)
Department of Neurology
University of Colorado School of Medicine, Aurora, Colorado
- 2014-present Associate Professor
Department of Neurosurgery
University of Colorado School of Medicine, Aurora, Colorado
- 2014-present Associate Professor (secondary appointment)
Department of Neurology
University of Colorado School of Medicine, Aurora, Colorado
- 2017-present Adjunct Faculty
Department of Psychology Graduate Program
University of Colorado, Colorado Springs

Hospital and Other Professional Positions

- 2005-2009 Group Neuropsychology Practice, Louisville, CO
2008-2010 Attending Staff, Univ. of Colorado Denver, Student & Community Counseling
2009-2010 Attending Staff, National Jewish Health, Denver, CO
2011-present Attending Staff, University of Colorado Hospital, Aurora, CO

Clinical Consultation Activities

- 2006-present Consultant in Forensic Neuropsychology
2014-present Neuropsychology Panelist to the NFL Players' Benefits Plan (NFL and NFLPA)

Academic Honors and Awards

- Sigma Tau Delta, International English Honor Society, Occidental College, 2005
Mortar Board, National Senior Honor Society, Occidental College, 2006
Psi Chi, National Psychology Honor Society, Occidental College, 2006
Phi Beta Kappa, National Honor Society, Occidental College, 2006

Memberships in Professional Organizations

Member, American Psychological Association (APA), 1997-present
 Member, National Academy of Neuropsychology (NAN), 2001-2005
 Member, International Neuropsychological Society (INS), 2003-present
 Member, Colorado Neuropsychological Society (CNS), 2005-present
 Member, American Academy of Clinical Neuropsychology (AACN), 2008-present
 Member, Sports Neuropsychology Society (SNS), 2017-present

Major Committee and Service Responsibilities

Institutional Committees and Service Activity

Co-Director, UCSOM Neuropsychology Program, 2011-present
 Co-Director, UCH Neuropsychology Clinic, 2011-present
 Member, UCH Neurosciences Strategic Planning Committee, 2011-2015
 Member, Psychology Internship Training Cmte, UCSOM Dept. of Family Med., 2011-present
 Member, UCSOM Dept. of Neurosurgery Residency Application Committee, 2013-present
 Consultant, UCD Rehabilitation Engineering Research Center for Advancing Technologies to Enhance Independence for Adults with Cognitive Impairments (RERC-ATACI), 2014-present
 Founder and Program Director, UCSOM/UCH Concussion Program, 2015-present
 Faculty, UCSOM Headache Medicine Fellowship (UCNS accredited), 2015-present
 Member, Rocky Mountain Alzheimer's Disease Center, Clinical Core, 2015-present

State and National Committees

Executive Board Member, Brain Injury Association of Colorado, 2008-2010
 Secretary-Treasurer, Sec.-Treas. Elect, Colorado Neuropsychological Society, 2009-2011
 Past President, President, President Elect, Colorado Neuropsychological Society, 2012-2014
 Member, American Academy of Clinical Neuropsychology Practicum Training Task Force, 2013-2016
 Nominations Committee Member, Association of Postdoctoral Programs in Clinical Neuropsychology, 2013-present
 Secretary-Treasurer, Association of Postdoctoral Programs in Clinical Neuropsychology, 2014-2018
 Board of Directors, Association of Postdoctoral Programs in Clinical Neuropsychology, 2018-present
 Steering Committee, 2020 Annual Meeting of the International Cognition and Cancer Task Force (ICCTF), 2019-2020.

Dissertation/Thesis Committees

Member, Doctoral Dissertation Committee for Joie Molden: Effects of Age-Based Stereotype Threat and Dementia-Related Diagnosis Threat on Older Adults' Objective and Subjective Cognitive Functioning. Proposed June 2016, UCCS Dept. of Psychology.

Licensure and Board Certification

Licensed Psychologist, State of Colorado Psychologist License, 2005-present
 Board Certified in Clinical Neuropsychology, American Board of Professional Psychology/American Board of Clinical Neuropsychology (ABPP/ABCN), 2008-present

Review and Referee Work

Ad Hoc Article Reviewer, Journal of International Neuropsychological Society, 2007-present
 Fellowship Grant Reviewer, Texas Alzheimer's Research Care Consortium (TARCC), 2019.

Teaching Record

Presentations to Trainees and Health Care Providers/Researchers/Educators:

1. *What is neuropsychology and why should I refer for this service?* Presented at the Boulder Medical Center, Boulder, Colorado, March 2006
2. *Memory problems: When are they normal and when should I be concerned?* Presented as part of the Stahl Lecture Series at the Grillo Health Information Center, Boulder, Colorado, April 2006
3. *The role of neuropsychology in deferential diagnosis of mild traumatic brain injury and dementia.* Presented at the Boulder Medical Center, Boulder, Colorado, October 2006
4. *Assessment of memory disorders in neuropsychology.* Presented to the Department of Medicine Staff, National Jewish Health, October 2008
5. *Mild traumatic brain injury through the ages: Scientific updates.* Presented at the Annual Conference of the Brain Injury Association of Colorado, Denver, Colorado, October 2009
6. *What is neuropsychology?* Presented to the UCSOM Physical Medicine and Rehabilitation Resident Education Seminar, November 2010
7. *Traumatic brain injury: A brief overview.* Presented to the University of Colorado at Boulder Counseling and Psychological Services, March 2011
8. *Neuropsychology and the pituitary tumor patient.* Presented to the UCH Pituitary Tumor Conference, April 2011
9. *Neuropsychology: An introduction.* Presented to the UCSOM Behavioral Neurology and Neuropsychiatry Conference, May 2011
10. *Cortical dementias: Alzheimer's disease, mild cognitive impairment and frontotemporal dementia.* Presented to the UCSOM Adult Neuropsychology Seminar, October 2011

11. *Mild traumatic brain injury and symptom validity testing*. Monthly Multidisciplinary Conference Series, Department of Neurology, January 2012
12. *Traumatic brain injury & neuropsychological testing*. Presented to the UCSOM Physical Medicine and Rehabilitation Resident Education Seminar, March 2012
13. *Screening for cognitive impairment in MS*. Rocky Mountain Multiple Sclerosis Center Education Meeting, Department of Neurology, March 2012
14. *Psychology and forensics: A beginner's guide*. Invited Speaker for Symposium on Forensic Psychology, presented to the Children's Hospital Colorado Rehabilitation Psychology Group, July 2012
15. *Forensic neuropsychology: ethical and practical considerations*. Presented to the UCSOM Adult Neuropsychology Seminar, November 2012
16. *Epilepsy surgery and the role of neuropsychology*. Presented at the UCSOM Department of Neurosurgery Grand Rounds, December 2012
17. *Interpretations of neuropsychological test scores for the purpose of epilepsy pre-surgical examinations*. Presented to the UCSOM Neurology Epilepsy Think Tank Group, January 2013
18. *Neuropsychological considerations in epilepsy surgery*. Presented to the UCSOM Adult Neuropsychology Seminar, October 2013
19. *Introduction to neuropsychological practice*. Presented to the UCSOM Psychiatry Residents Seminar (PGY2), March 2015
20. *Performance and Symptom Validity Testing in Neuropsychology*. Presented to the UCSOM Psychiatry Resident Seminar (PGY2), April 2015
21. *Neuropsychology in Adult Epilepsy Practice*. Presented for the UCSOM Epilepsy Fellowship Lecture, June 2015
22. *Concussion and the Role of Neuropsychology: A Guide for PTs and MDs*. Presented for the Annual Marquette Challenge at the University of Colorado School of Medicine, October 2015
23. *Concussion: Outcomes, Treatment, and the New UCH Concussion Program*. Presented at the UCSOM Department of Neurosurgery Grand Rounds, February 2016
24. *UCH Concussion Program: An Introduction*. Presented at the UCSOM Department of Neurology Grand Rounds, May 2016

25. *Performance and Symptom Validity Testing in Neuropsychology*. Presented to the UCSOM Psychiatry Resident Seminar (PGY2), April 2016
26. *Neuropsychology for Neurology Epilepsy Fellows*. Presented for the UCSOM Epilepsy Fellowship Lecture, January 2017
27. *Neuropsychology and Management of Chronic Concussion*. Presented to the UCHealth and CU Physical Therapy Symposium on Mild TBI/Concussion: Evidence-Based Examination and Treatment of Individuals Across the Continuum of Care, May 2017
28. *Postconcussion syndrome and neuropsychological implications*. Presented at the UCHealth Physical Therapy CE Symposium, October 2017.
29. *Traumatic brain injury panel: Transitions in TBI and concussion treatment*. Panelists: James Kelly, MD, Michael Greher, PhD, Nathan Odom, MD. 2019 Neurosciences Summit, October 2019

Presentations to Patient/Community Groups

1. *Memory disorders*. Presented to the Seniors Group, Temple Emanuel, Denver, CO, November 2005
2. *Mild traumatic brain injury: The impact of psychological problems and pain on recovery*. Presented to the Colorado Defense Lawyers Association, Colorado Springs, CO, November 2006
3. *Assessing memory issues*. Presented to the Seniors Group, Congregation BMHBJ, Denver, CO, February 2010
4. *Neurocognitive dysfunction in pituitary disease*. Breakout Group Presented at the UCSOM-UCH Pituitary Patient Education Day, Aurora, CO, May 2012
5. *Neuropsychology in Alzheimer's and Down Syndrome*. Discussant on Down Syndrome-Alzheimer's Panel, Global Down Syndrome Research and Medical Care Roundtable – National Down Syndrome Congress Convention Adjunct, Children's Hospital Colorado, Aurora, CO, July 2013
6. *Neurocognitive testing for patients with pituitary tumor*. Breakout Group Presented at the UCSOM-UCH Pituitary Patient Education Day, Aurora, CO, May 2014
7. *Neuropsychological consultation in concussion: Providing helpful assistance for a complicated condition*. Presented to the Brain Strong Support Group Conference, Gunnison, CO, August 2014

8. *Neuropsychological recovery following brain tumor*. Presented for the Brain Tumor Symptom Management Panel at the American Brain Tumor Association (ABTA), Partners in Treatment and Care: Patient and Caregiver Meeting, Denver, CO, May 2015
9. *Introduction to the brain*. Presented to the William Roberts School, Denver Public Schools, Denver, CO, May 2019

Courses Taught

1. Small Group Seminar (Neuropsychology), University of Denver Graduate School in Professional Psychology, January 2008-June 2009
2. Supervisor, Psychology Practicum Students, UCD Student and Community Counseling Center, 2008-2009
3. Supervisor, Neuropsychology Fellows, NJH Adult Neuropsychology Service, 2010-2010
4. Supervisor, Neuropsychology Fellows, UCH Neuropsychology Clinic, 2011-present
5. Supervisor, Psychology Interns, UCH Neuropsychology Clinic, 2012-present
6. Supervisor, Neuropsychology Practicum Students, UCH Neuropsychology Clinic, 2013-Present

Key Administrative Teaching Positions

1. Founder & Director, Neuropsychology Fellowship, National Jewish Health, 2009-2010
2. Founder & Director, Neuropsychology Fellowship, UCSOM Dept. of Neurosurgery, 2011-present
3. Director of Neuropsychology Training, UCSOM Dept. of Neurosurgery, 2013-present

Course Development/Innovative Syllabi

1. Developed Seminar Course in Neuropsychology, University of Denver, 2008-2009
2. Developed Neuropsychology Fellowship Program, National Jewish Health, 2009-2010
3. Developed Neuropsychology Fellowship Program, UCSOM Dept. of Neurosurgery, 2011-present
4. Developed Adult Neuropsychology Seminar series, UCSOM Dept. of Neurosurgery, 2011-present
5. Developed Neuropsychology Case Conference series, UCSOM Dept. of Neurosurgery, 2012-present
6. Developed Neuropsychology Board Certification Prep series, UCSOM Dept. of Neurosurgery, 2012-present
7. Applied and approved for accreditation through Association of Postdoctoral Programs in Clinical Neuropsychology for UCSOM Neuropsychology Fellowship, 2012-present
8. Developed Neuropsychology Intern and Practicum Curriculum, UCSOM Departments of Neurosurgery and Family Medicine, 2013-present

Research Funding and Collaborations

Rehabilitation Engineering Research Center of Excellence for the Advancement of Cognitive Technologies (RERC-ACT) 90RES5019-01-00 (formerly H133E140054-14 under the Dept of ED) 10/01/14-09/30/19

Neuropsychology Consultant: Michael Greher, Ph.D., ABPP, 8% salary support

Department of Defense Protocol #: 19-1423

Project Title (abbreviated): Immunity, mTBI, and Alzheimer's Biomarkers [ImTAB]

Principal Investigator: Brianne Bettcher, PhD

Neuropsychology Collaborator: Michael Greher, Ph.D., ABPP

Bibliography

Peer-Reviewed Journal Articles, Book Chapters & Reviews:

1. Freed, S, Craske, MG, & Greher, MR (1999). Nocturnal panic and trauma. *Depression and Anxiety*, 9 (3), 141-145.
2. Greher, MR (2001). [Review of the book *Attention, memory, and executive function*]. *Journal of Child Neurology*, 16 (2), 155.
3. Greher, MR, & Mahoney, MJ (2001). Behavioral and self-report measures of attention. *Constructivism in the Human Sciences*, 6, 87-93.
4. Greher, MR (2010). Joseph Gerstmann (1887-1969). In Kreutzer, J. S., DeLuca, J., & Caplan, B. *Encyclopedia of clinical neuropsychology*. New York: Springer.
5. Wodushek, TR, & Greher, MR (2010). Brain Injury Association of America. In Kreutzer, JS, DeLuca, J, & Caplan, B. *Encyclopedia of clinical neuropsychology*. New York: Springer.
6. Chang, VH, Lombard, LA, & Greher, MR (2011). Mild traumatic brain injury in the occupational setting. *Physical Medicine and Rehabilitation*, 3, S387-S395.
7. Nelson, AP, Roper, BL, Slomine, BS, Morrison, C, Greher, MR, Janusz, J, Larson, JC, Meadows, ME, Ready, RE, Rivera-Mindt, M, Whiteside, DM, Willment, K, & Wodushek, TR (2016). Official position of the American Academy of Clinical Neuropsychology (AACN) Guidelines for Practicum Training in Clinical Neuropsychology. *Clinical Neuropsychologist*, 29 (7), 879-904.
8. Laker, SR, Meron, A, Greher, MR, Wilson, J, (2016). Retirement and activity restrictions following concussion. *Physical Medicine & Rehabilitation Clinics*, 27 (2), 487-501.
9. Greher, MR, & Wodushek, TR (2017). Performance validity testing in neuropsychology: Scientific basis and clinical application – a brief review. *Law and Psychiatry Column, Journal of Psychiatric Practice*, 23 (2), 134-140.

10. Wodushek, TR, & Greher, MR (2017). Performance validity testing in neuropsychology: Methods for measurement development and maximizing diagnostic accuracy. *Law and Psychiatry Column, Journal of Psychiatric Practice*, 23 (3), 214-220.
11. Buard, I, Sciacca, DM, Martin, CS, Rogers, S, Sillau, SH, Greher, MR, Chen, R, Kluger, BM (2018). Repetitive transcranial magnetic stimulation for Mild Cognitive Impairment in Parkinson's disease. *Movement Disorders*, 33 (3), 489-491.
12. Greher, MR & Domen, CH (2018). Joseph Gerstmann (1887-1969). In Kreutzer, JS, DeLuca, J, & Caplan, B. *Encyclopedia of clinical neuropsychology*; 2nd Edition. New York: Springer.
13. Wodushek, TR, & Greher, MR (2018). Brain Injury Association of America. In Kreutzer, JS, DeLuca, J, & Caplan, B. *Encyclopedia of clinical neuropsychology*; 2nd Edition. New York: Springer.
14. Domen, CH, Greher, MR, Hosokawa, SL, Barnes, SL, Hoyt, BD, & Wodushek, TR (submitted for publication). Are established embedded PVT cut-offs generalizable to patients with Multiple Sclerosis?
15. Buard, I, Carey, FJ, Lopez-Esquibel, N, Brown, MS, Kronberg, E, Martin CS, Rogers, S, Holden, SK, Medina, LD, Greher, MR, Kluger, BM (manuscript in preparation). Prefrontal glutamate is associated with cognitive impairment in Parkinson's disease.

Posters/Abstracts:

1. Greher, MR, Forjaz, MJ, & Craske, MG (1999, April). *Panic disorder and gender: Differences in perception of anxiety*. Presented to the Annual Conference of the Southwestern Psychological Association, Albuquerque, New Mexico.
2. Greher, MR (2001, April). *Associations of attentional processes with positive affect*. Presented to the Annual Conference of the Southwestern Psychological Association, Houston, Texas.
3. Reynolds, FD, Greher, MR, & Neumann, CS (2001, November). *A confirmatory factor analysis of the positive and negative affect schedule (PANAS): Evidence for a four-factor model*. Presented to the Annual Conference of the Society for Research in Psychopathology, Madison, Wisconsin.
4. Greher, MR (2002, October). *The effects of assessment context on state anxiety and a neuropsychological model of attention*. Presented to the Annual Conference of the National Academy of Neuropsychology, Miami, Florida.

5. Greher, MR (2003, February). *Factor analysis of a neuropsychological model of attention*. Presented to the Annual Conference of the International Neuropsychological Society, Honolulu, Hawaii.
6. Greher, MR, Attmore, JO, Lacritz, LH, Hynan, LS, Lipton, AM, & Diaz-Arrastia, R (2005, February). *Vascular risk factors for progression of mild cognitive impairment to dementia*. Presented to the Annual Conference of the International Neuropsychological Society, St. Louis, Missouri.
7. Greher, MR, Lacritz, LH, Rilling, LM, O'Suilleabhain, PE, & Cullum, CM (2005, February). *Cognitive impairment in early Parkinson's disease*. Presented to the Annual Conference of the International Neuropsychological Society, St. Louis, Missouri.
8. Domen, CH, Greher, MR, Hosokawa, SL, Barnes, SL, Hoyt, BD, Wodushek, TR. *Classification accuracy of multiple embedded performance validity tests in a sample of patients with Multiple Sclerosis*. Presented to the Annual Conference of the International Neuropsychological Society, February 2019, New York, New York.