
KATIE HARTNACK

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EDUCATIONAL HISTORY

ANTIOCH UNIVERSITY NEW ENGLAND, KEENE, NH (2013-2018)

Doctorate in Clinical Psychology (PsyD)
Concentration in Neuropsychology
Master of Science in Clinical Psychology
Dissertation: Delirium burden independently predicts three-month mortality of mechanically ventilated ICU patients

UNION COLLEGE, SCHENECTADY, NY (2007-2011)

Major: Cognitive Neuroscience
Minor: Art History
Degree: B.S. with Departmental Honors, June 2011
Honors Thesis: Electrophysiological indices of aesthetically stimulated processes in art-experienced individuals as compared to art-naïve individuals
Study Abroad: Paris, France, 2009; Florence, Italy, 2010

CLINICAL EXPERIENCE

MARCUS INSTITUTE FOR BRAIN HEALTH
UNIVERSITY OF COLORADO ANSCHUTZ MEDICAL CAMPUS

CLINICAL NEUROPSYCHOLOGIST – DECEMBER 2021 – PRESENT.

- Conduct neuropsychological evaluations with patients with traumatic brain injury and comorbid psychological and medical diagnoses
- Actively consult with, interact with, and assist with patients and family members during the rehabilitation process
- Collaborate with an interdisciplinary team
- Conduct group therapy and behavioral interventions with patients and families as part of an interdisciplinary team treatment approach

NEURO HOPE PSYCHOTHERAPY & NEUROFEEDBACK

CLINICAL NEUROPSYCHOLOGIST – SEPTEMBER 2020 – NOVEMBER 2021.

- Conduct neuropsychological evaluations with patients across the lifespan (i.e., pediatric, adult, and geriatric) in person and via telehealth
- Communicate with psychometrists about neuropsychological assessments, behavioral observations, and patient management

- Consult with other neuropsychologists, psychologists, and neurofeedback technicians
- Participate in neuropsychology team meetings, interdisciplinary team meetings, and peer consultation groups
- Supervise psychology graduate students and a postdoctoral fellow on adult and geriatric neuropsychological interviews, test selection, test administration, case conceptualization, report writing, and feedback
- Participate in and lead didactic seminars on topics relevant to neuropsychology across the lifespan

BETH ISRAEL DEACONESS MEDICAL CENTER

NEUROPSYCHOLOGY POSTDOCTORAL FELLOW – SEPTEMBER 2018 – AUGUST 2020.

Primary Supervisors: Nancy Moczynski, PhD, ABPP-CN, William Stone, PhD, ABPP-CN and Lynn Shaughnessy, PsyD, ABPP-CN

- Conduct neuropsychological evaluations in multiple outpatient settings:
 - Cognitive Neurology Department at BIDMC
 - Psychiatry Department at BIDMC
 - Massachusetts Mental Health Center
 - Boston Healthcare for Homeless Patients
- Conduct clinical interviews and administer flexible batteries to patients with a variety of diagnoses (dementia, TBI, ADHD, autism spectrum disorder, etc.)
- Conceptualize testing results, identify potential diagnoses, write integrative reports, and provide feedback to patients
- Conduct neuropsychological evaluations and run a therapy group via telehealth
- Participate in neuropsychology specific seminars, including didactic seminars, fact-finding cases, and case conceptualization presentations, and Cognitive Neurology Grand Rounds

BEDFORD VETERANS AFFAIRS MEDICAL CENTER

NEUROPSYCHOLOGY INTERN – SEPTEMBER 2017 – AUGUST 2018.

Primary Supervisors: Maureen O'Connor, PsyD, ABPP-CN and Malissa Kraft, PsyD, ABPP-CN

- Conducted neuropsychological evaluations in the Neuropsychology General Outpatient Service and four specialty clinics:
 - Polytrauma/Traumatic Brain Injury Clinic: A multidisciplinary team clinic specializing in the evaluation of veterans with suspected TBI and comorbid PTSD.
 - Memory Diagnostic Clinic: A team-based approach to the evaluation and treatment of older adults with memory difficulties and suspected dementia.
 - Inpatient Neuropsychology Clinic: Neuropsychological evaluation referrals from medical and psychiatric inpatient units to assess and understand the cognitive strengths and weaknesses of the veteran and provide recommendations for continued care or discharge.
 - Geriatric Psychiatry Clinic: Evaluation and treatment of older adults with neurodegenerative diseases and acute psychiatric illness on a multidisciplinary inpatient unit.
- Conducted clinical interviews and administered flexible batteries to veterans with a variety of diagnoses (dementia, ADHD, TBI, etc.)
- Conceptualized testing results, identified potential diagnoses, wrote integrative reports, and provided feedback to veterans

- Provided individual and group cognitive rehabilitation to veterans with memory deficits, traumatic brain injury, and ADHD
- Participated in neuropsychology specific seminars, including didactic seminars, diversity seminars, brain cuttings, fact-finding cases, and case conceptualization presentations
- Provided evidenced-based individual psychotherapy to veterans with a variety of psychiatric diagnoses (Major Depressive Disorder, PTSD, General Anxiety Disorder, etc.)
- Facilitated a Stress Management Group with veterans who were interested in gaining skills and tools to improve their well-being and decrease their anxiety
- Participated in range of didactic seminars, as well as diversity seminars, ethics seminars, supervision seminars, and Psychology Grand Rounds
- Discussed psychotherapy cases and provided consultation to other disciplines on an interdisciplinary team in the Mental Health Clinic

DEPARTMENT OF COGNITIVE NEUROLOGY
BETH ISRAEL DEACONESS MEDICAL CENTER, HARVARD MEDICAL SCHOOL

NEUROPSYCHOLOGY PRACTICUM STUDENT – JULY 2016 – JUNE 2017.

Primary Supervisor: Karen Torres, Psy.D

Secondary Supervisor: Margaret O'Connor, Ph.D., ABPP-CN

- Administered neuropsychological fixed and flexible batteries to adults with a variety of neurological disorders (dementia, concussion, epilepsy, Parkinson's Disease, etc.)
- Administered neuropsychological tests to patients before surgery (deep brain stimulation, epilepsy surgery) and assisted with WADA testing
- Scored and interpreted the neuropsychological data and wrote integrative reports
- Contributed to intake interviews with supervising neuropsychologist
- Participated in interdisciplinary team meetings
- Participated in Cognitive Neurology Grand Rounds, Neurology Grand Rounds, and Neuropsychology Seminar
- Conducted research comparing neuropsychological functioning of patients with Parkinson's disease before and after deep brain stimulation

BEDFORD VETERANS AFFAIRS MEDICAL CENTER

GEROPSYCHOLOGY PRACTICUM STUDENT – SEPTEMBER 2015 – JUNE 2016.

Primary Supervisor: Lisa Bloom-Charette, Ph.D

Preceptor: Brian Zuzelo, Psy.D

- Provided long-term psychotherapy to elderly patients with a variety of psychological and neurological disorders (PTSD, depression, chronic pain, Huntington's Disease, MS, etc.)
- Provided short-term psychotherapy to elderly patients receiving palliative and hospice care
- Administered neuropsychological screening tests
- Facilitated psychotherapy groups with elderly clients
- Participated in interdisciplinary team meetings
- Advocated for veterans' quality of life and participated in case management
- Developed a program evaluation investigating the cohesiveness and effectiveness of interdisciplinary inpatient teams
- Provided consultations with the clinical staff about psychological and neurological disorders and conducted a STAR-VA

BOSTON CENTER FOR MEMORY

NEUROPSYCHOLOGY DOCTORAL PRACTICUM EXTERN - SEPTEMBER 2014 – JUNE 2015.

Primary Supervisor: Paul Solomon, Ph.D

Secondary Supervisor: Elizabeth Vassey, Psy.D

- Administered neuropsychological assessment batteries to patients with dementia
- Scored and interpreted testing results and recorded behavioral observations
- Conducted intake interviews and wrote integrated reports
- Observed neurological exams and post-evaluation conferences
- Attended Boston University Health Outreach Program for the Elderly consensus diagnosis meetings at the Jamaica Plain VA
- Participated in workshops and interdisciplinary team discussions
- Provided supportive therapy to caregivers of patients with Alzheimer's Disease
- Assisted with forensic neuropsychology consultations on criminal cases

LONG ISLAND JEWISH MEDICAL CENTER DIVISION OF CHILD/ADOLESCENT PSYCHIATRY

INTERNSHIP – 2010

Supervisor: Robert Dicker, MD

- Shadowed psychologists, psychiatrists and social workers to learn about the professions
- Observed child and adolescent psychiatric patient evaluations and neuropsychological assessments in the ER and outpatient clinic
- Discussed potential diagnoses and therapies of children with psychiatric disorders
- Attended post-doctoral fellowship classes to develop further understanding of theories and therapies in hospitals

RESEARCH EXPERIENCE

NEUROSCIENCE STATISTICS RESEARCH LABORATORY MASSACHUSETTS GENERAL HOSPITAL, HARVARD MEDICAL SCHOOL

STUDENT/CLINICAL RESEARCH COORDINATOR - JULY 2011 – AUGUST 2018.

Principal Investigators: Patrick Purdon, Ph.D, and Emery Brown, MD, Ph.D

- Neurophysiological and Neuropsychological Study of Delirium in the ICU
 - Conducted neuropsychological delirium assessments in the ICU and inpatient units
 - Recorded Sedline EEG from intubated patients in the ICU
 - Communicated with doctors, nurses, and the patients' family members to gain an understanding of patients' cognitive functioning
- High-Density EEG Human Research Studies
 - Collected high-density EEG from human subjects during sleep and anesthesia
 - Operated and ran MRI structural scans
 - Prescreened and enrolled subjects
 - Analyzed data using MATLAB
- Epilepsy Intracranial Research Study
 - Assisted with recording intracranial EEG during anesthetic induction

- Administered psychological assessments to patients with epilepsy
- Research study investigating the development of delirium and postoperative cognitive dysfunction in surgical patients
 - Developed and designed the research study
 - Drafted the IRB protocol and consent forms
 - Communicated with surgeons and other medical staff about patient recruitment
- Research Coordination and IRB Administration
 - Drafted and administered IRB protocols, consent forms, and amendments
 - Assisted with writing and proofing grant proposals
- Attended Anesthesia, Critical Care, and Pain Medicine Grand Rounds, Geriatric Grand Rounds, Palliative Care Grand Rounds, and Martinos Center for Biomedical Imaging BrainMap Seminars

PICOWER INSTITUTE FOR LEARNING AND MEMORY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

RESEARCH AFFILIATE

JULY 2011 – AUGUST 2018.

- Rodent Electrophysiology
 - Performed rodent craniotomies
 - Recorded intracranial EEG from rodents during anesthesia and sleep
 - Analyzed and scored rodent sleep and anesthesia data using MATLAB
 - Created figures and edit manuscripts for publications
- Attended lectures and seminars sponsored by the Department of Brain and Cognitive Sciences

POSTER PRESENTATIONS

- **Hartnack, K.**, Gurnani, A., Hollis, A., & O'Connor, M. (2019). Old-Old Drivers: Neurocognitive Predictors of Driving Performance in 90 to 97 Year Olds. Poster presented at the International Neuropsychological Society Annual Meeting
- Gurnani, A., **Hartnack, K.**, Hollis, A., & O'Connor, M. (2019). Use of Montreal Cognitive Assessment (MoCA) in the Prediction of Driving Fitness: Relevance of Specific Subtests. Poster presented at the International Neuropsychological Society Annual Meeting
- **Hartnack, K.**, Sun, H., Paixao, L., Zhou, D., McClain, L., Kimchi, E...Westover, B. (2018). Delirium burden independently predicts three-month mortality of mechanically ventilated ICU patients. Poster presented at the International Neuropsychological Society Annual Meeting
- **Hartnack, K.** (2016). The merging of psychotherapy and assessment in neuropsychological supervision: A new model. Poster presented at the Massachusetts Neuropsychological Society's Science Symposium
- Vassey, E. **Hartnack, K.**, & Voss, J. (2015). The role of health psychology in Alzheimer's Disease healthcare. Poster presented at the Alzheimer's Association A Map Through the Maze: Conference for Alzheimer Care Professionals
- Flores, F., **Hartnack, K.**, Fauth, A., Wilson, M., Brown, E., & Brown, E. (2016). Effects of propofol-induced unconsciousness in thalamocortical circuits. Poster presented at the Scientific Advisory Committee Meeting at Massachusetts General Hospital

PUBLICATIONS

- Flores, F., **Hartnack, K.**, Fauth, A., Kim, S., Wilson, M., Purdon, P. (2017). Thalamocortical synchronization during loss and recovery of consciousness. *Proceedings of the National Academy of Sciences*, 114(32).
- Flores, F., Ching, S., **Hartnack, K.**, Fauth, A., Purdon, P., Wilson, M., Brown, E. (2015). A PK-PD Model of Ketamine-Induced High-Frequency Oscillations. *Journal of Neural Engineering*, 12.
- Prerau, M. J., **Hartnack, K.**, Obregon-Henao, G., Sampson, A., Merlino, M., Gannon, K., ... Purdon, P. L. (2014). Tracking the Sleep Onset Process: An Empirical Model of Behavioral and Physiological Dynamics. *PLoS Computational Biology*, 10(10).
- Akeju, O., Westover, M., Pavone, K., Sampson, A., **Hartnack, K.**, Brown, E., & Purdon, P. (2014). Effects of Sevoflurane and Propofol on Frontal Electroencephalogram Power and Coherence. *Anesthesiology*, 121(5).
- Akeju, O., Pavone, K. J., Westover, M. B., Vazquez, R., Prerau, M. J., Harrell, P. G., **Hartnack, K. E.**, ... Purdon, P. L. (2014). A Comparison of Propofol- and Dexmedetomidine-induced Electroencephalogram Dynamics Using Spectral and Coherence Analysis. *Anesthesiology*, 121(5).

PROFESSIONAL AFFILIATIONS

National Academy of Neuropsychology (NAN)
American Academy of Clinical Neuropsychology (AACN)
International Neuropsychological Society (INS)
Women in Neuropsychology (WIN)
American Psychological Association (APA):
 Division 40 (Neuropsychology)
 Division 19 (Military Psychology)
 Division 20 (Adult Development and Aging)