

Sept 2014-Apr 2016

Assistant Professor

University of Alabama at Birmingham School of Medicine
Department of Psychiatry and Behavioral Neurobiology,
Department of Neurology, Birmingham, AL
Clinical Neuropsychologist/Psychologist
Research Scientist (Neuroscience/ Neuroimaging)

My University activities highlighted my role as an active scientist-practitioner. I am a licensed clinical psychologist and experienced neuroimaging researcher with demonstrated interests in providing clinical education and integrating clinical knowledge and neuroscience research to improve clinical practice. My clinical career has been guided by evidence-based practice and assessment, with emphasis on understanding psychological contributions to impaired cognition in disorders ranging from anxiety to dementia.

My university clinical role was centered on the provision of neuropsychological and psychological assessment services as well as psychological intervention. My provision of psychological intervention services were driven by a theoretically-driven integrative therapy approach, where I took an individualized case conceptualization approach to the treatment of clients, where actual integration was an empirical question and change was based on empirical support. This approach built upon my diverse experience and proficiency in providing individual and group therapy to adults and children/adolescents via several therapeutic orientations, including (but not limited to): CBT, CPT, IPT, DBT, ACT, Mindfulness/MBSR, and Behavioral/Exposure. Additionally, I have specialty training in providing individual/group therapy to patients with chronic pain, cognitive impairment, post-traumatic stress disorder (event or complex type), personality disorders, and anxiety disorders. I also ran a service for bipolar 1 patients following their discharge from the UAB inpatient psychiatry unit, where I established and utilized a genetic algorithm to predict and treat individualized risk factors for re-hospitalization.

An important part of my University clinical duties involved providing medical and clinical psychology students with training in multiple forms of psychological intervention. This included establishing and managing an evening psychotherapy clinic where I supervised doctoral students and clinical psychology interns in the provision of therapy for no/low cost.

Sept 2012- Aug 2014

APPCN-Approved Postdoctoral Fellowship in Clinical Neuropsychology and Neuroimaging Research

University of Alabama at Birmingham School of Medicine, Department of Neurology, Birmingham, AL

Supervisors: Daniel C. Marson, J.D., Ph.D., Kristen Triebel, Psy.D., Roy Martin, Ph.D., Thomas Novak, Ph.D., ABPP-CN

Responsible for clinical neuropsychological assessment and treatment services provided to General Neurology Inpatient service, Vascular Critical Care Inpatient

service, out-patient Memory Disorder Clinic, Kirklin Clinic outpatient Neurology service, and the Alzheimer's Disease Research Center.

Also involved in provision of clinical supervision to clinical psychology interns, graduate students, and responsible for management of Neuropsychology Case Conference

Adult Psychotherapy Minor Rotation (5 mos)

Department of Psychiatry and Behavioral Neurobiology, Birmingham, AL

Supervisor: Adrian Hal Thurstin, Ph.D.

Responsible for conducting psychological and neuropsychological evaluations, individual and group psychotherapy services to UAB School of Medicine, other UAB Departments, UAB Community Psychiatry Program, and additional community based partnerships with the Alabama Department of Mental Health. Also involved in provision of clinical supervision to clinical psychology interns, graduate students, and other mental health trainees.

PRE-GRADUATE CLINICAL TRAINING/WORK EXPERIENCE

2010-2011

APA-Approved Internship

West Virginia University Medical School, Clinical Psychology (Neuropsychology Track), Morgantown, WV

Licensed Master's Degree Psychologist

Adult Neuropsychology Major Rotation

Pediatric Neuropsychology Major Rotation

Chronic Pain Assessment/Intervention Major Rotation

Louis A. Johnson VAMC Assessment/PTSD-Intervention Minor Rotation

Outpatient Anxiety Disorders Assessment/Intervention Minor Rotation

Stress Management Inpatient Intervention Minor Rotation

Psychiatric Intensive Care Unit Inpatient Intervention Major Rotation

2006-2009

Graduate Practica

Adult Neuropsychology Psychology Extern

Medical College of Wisconsin, Department of Neurology and Neuropsychology, Milwaukee, WI

Adult Therapy Psychology Extern

University of Wisconsin, Department of Psychiatry (Outpatient), Madison, WI

Adult Inpatient Group Therapy Psychology Extern

University of Wisconsin Hospital Psychiatry (Inpatient), Madison, WI

Student Therapist

Psychology Research and Training Clinic, Madison, WI

Graduate Research-Related Clinical Experience

Diagnostic Interviewer (SCIDs, HAM-A, HAM-D)
Waisman Laboratory for Brain Imaging, Madison, WI

2005-2006

Pre-Graduate Work-Related Clinical Experience

Applied Behavior Analysis (ABA) Therapist, Therapist Trainer
Department of Elementary and Secondary Education (DESE)
St. Louis, MO

2000-2004

Psychology Intern / Volunteer

Mental Health Association (MHA), United Way, St. Louis, MO

HONORS AND AWARDS

- 2009 Ramona O. Messerschmidt Travel Award, University of Wisconsin at Madison, Madison, WI
- 2009 Vilas Travel Grant Recipient, University of Wisconsin at Madison, Madison, WI
- 2008 Ramona O. Messerschmidt Research Award, University of Wisconsin at Madison, Madison, WI
- 2007-2008 Hertz Psychology Travel Award
- 2004 Emotion Travel Award, Wisconsin Symposium, Madison, WI
- 2004-2006 National Institute of Health Emotion Traineeship (\$19,000/year stipend)
University of Wisconsin at Madison, Madison, WI
- 2001 Summa Cum Laude, Department of Psychology, Washington University in St. Louis, St. Louis, MO
- 2000 Volunteer Excellence within United Way, Mental Health Association (MHA), St. Louis, MO
- 1997-2001 Deans List, Washington University in St. Louis, St. Louis, MO
- 1997-2001 Four-Year Full Tuition Academic Scholarship to Washington University in St. Louis, St. Louis, MO

CERTIFICATIONS / SPECIALTY TRAINING

- 2014 Certification in Translation Science, UAB Graduate School
- 2013 Certification in Lab Management, UAB Graduate School
- 2013 Neuroanatomy for Neuropsychologists, UAB Graduate School
- 2005 Graduate Fellowship, Sackler Institute Neurobiology of Developmental Disorders, Princeton University, Princeton, NJ, USA
- 2000 Institute for Research in Cognitive Science Undergraduate Fellowship, University of Pennsylvania, Philadelphia, PA, USA

PROFESSIONAL MEMBERSHIPS AND SOCIETIES

- 2008-Present American Psychological Association
- 2011-Present American Psychological Society
- 2004-2009 Cognitive Neuroscience Society

2010-2015 International Neuropsychological Society
2013-2015 National Academy of Neuropsychology
2004-2015 Organization for Human Brain Mapping
2001-Present Society for Neuroscience

PROFESSIONAL TEACHING EXPERIENCE

Apr 2016-Present **Research Consultant for PhD Psychology Program
Cognition, Brain and Autism Lab**
University of Alabama at Birmingham School of Medicine, Behavioral
Neuroscience PhD Psychology Program, Birmingham, AL

Sept 2014-Apr 2016 **Assistant Professor**
University of Alabama at Birmingham School of Medicine, Department of
Psychiatry and Behavioral Neurobiology, Department of Neurology,
Birmingham, AL
Supervision of interns affiliated with the training consortium, supervision
graduate students in the Medical Psychology program for clinical and research
practicum experiences, assisted with instruction of gross neuroanatomy to
medical, dental, and optometry students, and served as a member of thesis and
dissertation committees.

2013 **Instructor, PY356 Introduction to Neuroscience II**
University of Alabama at Birmingham School of Medicine, Department of
Neurobiology, Neurology, Developmental & Integrative Biology, Pathology and
Psychiatry, Birmingham, AL

2008-2009 **Graduate Teaching Assistant, Introduction to Psychology**
University of Wisconsin-Madison, Department of Psychology, Madison, WI

2005-2009 **Graduate Student Instructor
PEOPLE Program – Neuroscience Unit
Neuroscience Training Program**
University of Wisconsin-Madison, Department of Neuroscience, Madison, WI

2005-2011 **Undergraduate Research Mentor/Supervisor**
University of Wisconsin-Madison, Department of Biology & Psychology,
Madison, WI

2000-2001 **Undergraduate Teaching Assistant, Introduction to Psychology**
Washington University in St. Louis, Department of Psychology, St. Louis, MI

PROFESSIONAL RESEARCH EXPERIENCE

Apr 2016-Present **Research Consultant for PhD Psychology Program
Cognition, Brain and Autism Lab**

Sept 2014-Apr 2016 University of Alabama at Birmingham School of Medicine, Behavioral Neuroscience PhD Psychology Program, Birmingham, AL

**Research Scientist,
Director of Neuroimaging Lab**

University of Alabama at Birmingham School of Medicine, Department of Neurology, Division of Neuropsychology, Alzheimer's Disease Research Center, Birmingham, AL

Committee and Board Member

University of Alabama at Birmingham School of Medicine, Civitan International Neuroimaging Laboratory, Birmingham, AL

2012-2014

**Postdoctoral Fellow in Neuroimaging (COINS-2 Study)
Director of Neuroimaging Lab**

University of Alabama at Birmingham School of Medicine, Department of Neurology, Division of Neuropsychology, Alzheimer's Disease Research Center, Birmingham, AL

Committee and Board Member

University of Alabama at Birmingham School of Medicine, Civitan International Neuroimaging Laboratory, Birmingham, AL

2010-2011

Graduate Research Associate

West Virginia University Medical School, Morgantown, WV

2004-2011

Graduate Research Associate

University of Wisconsin-Madison, Waisman Laboratory for Brain Imaging and Behavior, Madison, WI

2001-2004

Laboratory Manager and Project Coordinator

Washington University Medical School, Mallinckrodt Institute of Radiology, St. Louis, MI

1999-2001

Undergraduate Research Assistant; Honors Student (Part-time, Full-time)

Washington University in St. Louis, Cognitive Neuroscience and Neuroimaging Laboratory, St. Louis, MI

1999-2000

Undergraduate Research Assistant

Washington University in St. Louis, Department of Biology and Pharmacology, St. Louis, MI

GRANT SUPPORT

2013-2015

Title: "Identifying Early Financial Decline in Cognitively Normal Elderly"
National Endowment for Financial Education (NEFE)

Role: Assistant Professor (2014-2015)
Role: Postdoctoral Fellow (2013-2014)

2012-2015 Title: “Functional Change in Mild Cognitive Impairment (COINS-2 Study)”
NIH 5R01 AG021927
Role: Assistant Professor (2014-2015)
Role: Postdoctoral Fellow (2012-2014)

2005-2010 Title: “Neuroanatomy of Anticipation in Anxiety Disorders”
NIH/NIMH R01-MH74847
Role: Graduate Research Assistant

2004-2006 Title: “Training Program in Emotion Research”
NIH/NIHM T32MH018931
Role: Graduate Student Trainee in Emotion Research

BIBLIOGRAPHY

MANUSCRIPTS

Manuscripts Already Published:

McFarlin, D. R., **Kerr D. L.**, & Nitschke J. B. (2012). Upsampling to 400-ms resolution for assessing effective connectivity in functional magnetic resonance imaging data with Granger causality. *Brain Connect*, 3(1), 61-71.

Kerr, D. L., McLaren, D.G., Mathy, R.M., & Nitschke, J.B. (2012). Controllability modulates the anticipatory response in the human ventromedial prefrontal cortex. *Front. Psychology*, 3:557. doi: 10.3389/fpsyg.2012.00557

Kerr, D. L., Gusnard, D. A., Snyder, A. Z., & Raichle, M. E. (2004). Effect of practice on reading performance and brain function. *NeuroReport*, 15(4), 607-10

Mathy, R. M., **Kerr, D. L.**, & Haydin, B. M. (2003). Methodological rigor and ethical considerations in internet-mediated research. *Psychotherapy: Theory, Research, Practice, Training.*, 40(½), 77–85.

Mathy, R. M., Lehmann, B. A., & **Kerr, D. L.** (2003). Bisexual and transgender identities in a nonclinical sample of North Americans: Suicidal intent, behavioral difficulties, and mental health treatment. *Journal of Bisexuality*, 3(3/4).

Manuscripts in Preparation:

Kerr, D.L., McLaren, D.G., Bartel, T.A., & Marson, D.C. (2016). Alzheimer’s related atrophy is associated with impairment of financial capacity: A cross-sectional study of prodromal and clinical AD. *NeuroImage Clinical*.

Kerr, D.L., Bartel, T.A., McLaren, D.G., Visscher, K.M., & Marson, D.C. (2016). Financial skill decline and associated functional connectivity changes in MCI & AD. *NeuroImage Clinical*.

BOOKS

Invited Book Chapters:

Marson, D.C., **Kerr, D.L.**, & McLaren, D.G. (2016). Financial decision-making and capacity of older adults. In Schaie, K.W. & Willis, S.L. (Eds.), *Handbook of the Psychology of Aging, Eighth Edition, Section IV Complex Processes Chapter 19*. London: Academic Press, 361-388. doi: 10.1016/B978-0-12-411469-2.00019-4

Published Abstracts and Poster Exhibits:

Hoagey, D.A., Kennedy, K.M., Bartel, T., **Kerr, D.**, Visscher K., Gerstenecker, A. & Marson, D.C. (2016). White matter microstructural degradation is associated with decreased financial ability in patients with MCI and Alzheimer's dementia. *Cognitive Neuroscience Society Abstr.*

(Mentored Student) Bartel, T.A., **Kerr, D.L.**, McLaren, D.G., & Marson, D.C. (2014). Functional connectivity changes associated with financial capacity impairment in prodromal and clinical Alzheimer's disease. *Society for Neuroscience Abstr.*

Kerr, D.L., Bartel, T.A., McLaren, D.G., & Marson, D.C. (2014). Associations between brain atrophy and financial capacity in prodromal and clinical AD. *National Academy of Neuropsychology Abstr. Archives of Clinical Neuropsychology 29(6):531 · September 2014*

Martin, R., Triebel K., Falola M., Cutter, G. R., **Kerr, D.L.**, Gerstenecker, A., & Marson, D.C. (2014). Financial decline in patients with mild cognitive impairment: A six year longitudinal study. *National Academy of Neuropsychology Abstr.*

Kerr, D.L., Bartel, T.A., McLaren, D.G., & Marson, D.C. (2014). Relationships between brain atrophy and financial capacity in patients with aMCI and AD. *International Neuropsychological Society Abstr.*

Wiener, J. R., Chong, J., Smith, A., Brefczynski-Lewis, J., Hou, B.L., **Kerr, D.L.**, McLaren, D.G., & Haut, M.W. (2013). Grey matter changes following attention training. *International Neuropsychological Society Abstr.*

Hou, B.L., Smith, A., Brefczynski-Lewis, J., Chong, J., **Kerr, D.L.**, Wiener, J. R., & Haut, M.W. (2012). Attention network of healthy highly educated subjects in attention training: studied by rfMRI and DTI. *Organization for Human Brain Mapping Abstr.*

Haut, M.W., **Kerr, D.L.**, Wiener, J.R., Chong, J., Hou, B., Brefczynski-Lewis, J. (2012). The effect of attention training of brain function and structure. *Annual Meeting of the American Academy of Clinical Neuropsychology Abstr.*

Haut, M.W., **Kerr, D.L.**, Chong, J., Smith, A., Hou, B., & Brefczynski-Lewis, J. (2011). The effect of attention training of brain function and structure. *Annual Meeting of the American Academy of Clinical Neuropsychology Abstr.*

(Mentored Student) Korhumel, R.A., **Kerr, D.L.**, McLaren, D. G., & Nitschke, J. B. (2011).

- Ventromedial prefrontal cortex activity during anticipation of controllable stimuli: a network for the attenuation of anxiety. *Society for Neuroscience Abstr.*
- (Mentored Student) Duda, R. E., **Kerr, D.L.**, McLaren, D. G., & Nitschke, J. B. (2010). Context-dependent connectivity of the ventral medial prefrontal cortex for controllable aversive stimuli in snake phobia. *Society for Neuroscience Abstr.*
- McFarlin, D., **Kerr, D.**, Green, D., & Nitschke, J. (2009). The effect of controllability on context dependent granger causality in snake phobia fMRI data at 400-ms resolution. *Society for Neuroscience Abstract*
- Kerr, D.**, Green, D., & Nitschke, J. (2009). Relationship between neural activity and skin conductance response during anticipation and viewing of aversive videos in specific phobia. *Organization for Human Brain Mapping Abstr.*
- Kerr, D.**, Green, D., Oathes, D., Fink, T, McFarlin, D., & Nitschke, J. (2008). Neural correlates of anticipation in snake phobia. *Society for Neuroscience Abstr.*
- (Mentored Student) Green, D., **Kerr, D.**, Flink, T., Sarinopoulos, I., & Nitschke, J. (2008). Snake phobics anticipating and responding to snakes: Skin conductance responses and fMRI. *Cognitive Neuroscience Society Abstr.*
- (Mentored Student) Schaus, A., **Kerr, D.**, Sarinopoulos, I., Lor, M., Green, D., & Nitschke, J. (2007). Effect of anticipation on memory of emotionally salient stimuli in a clinical population of snake phobics. *Cognitive Neuroscience Society Abstr.*
- Kerr, D.**, Sarinopoulos, I., Schaus, A., Green, D., & Nitschke, J. (2007). Impact of controllability on neural activity during anticipation of disgust videos. *Organization for Human Brain Mapping Abstr.*
- Kerr, D.**, Sarinopoulos, I., Schaus, A., Green, D., Curtin, J., & Nitschke, J. (2006). Neural correlates of uncontrollability and anticipation in snake phobics. *Society of Neuroscience Abstr.*
- Kerr, D.**, Schaefer, H., Herrington, J., Bluske, K., Sarinopoulos, I., Steege, E., Curtin, J., & Nitschke, J. (2006). Impact of uncontrollability on brain areas activated by the anticipation of disgust and phobogenic snake videos. *Cognitive Neuroscience Society Abstr.*
- Kerr, D.**, Hornbeck, R., Gusnard, D., Buckner, R., & Raichle, M. (2004). Neural correlates of extended practice on the word-association task of verb generation. *Society of Neuroscience Abstr.*
- Kerr, D.**, Hornbeck, R., Gusnard, D., Buckner, R., & Raichle, M. (2004). Neural correlates of extended practice on the word-association task of verb generation. *Organization for Human Brain Mapping Abstr.*
- Kerr, D.**, Hornbeck, R., Raichle, M., & Gusnard, D. (2003). Effect of practice on reading performance and brain function: An fMRI and behavioral study in experienced readers. *Society of Neuroscience Abstr.*
- Gusnard, D., Sirevaag, E., Rohrbaugh, J., Snyder, A., **Kerr, D.**, Hornbeck, R., Ollinger, J., McAvoy, M.,

& Raichle, M. (2002). Cardiovascular and neural correlates of cognitive task performance. *Organization for Human Brain Mapping Abstr.*

Gusnard, D., Sirevaag, E., Rohrbaugh, J., Snyder, A., **Kerr, D.**, Hornbeck, R., Ollinger, J., McAvoy, M., & Raichle, M. (2002). Neural and cardiovascular correlates of mental arithmetic. *Cognitive Neuroscience Abstr.*

Buckner, R. L., Wheeler, M. E., Maccotta, L., **Kerr, D.**, & Cohen, N. J. (2001). Code-specific repetition priming of cortex and amygdala. *Society of Neuroscience Abstr.*

Buckner, R. L., Wheeler, M. E., Maccotta, L., **Kerr, D.**, & Cohen, N. J. (2001). Code specific repetition priming in frontal and posterior cortex. *NeuroImage, 13(6): S642-S642 Part 2 Suppl.S JUN 2001.*

INVITED PRESENTATIONS

Department Invitations:

- Nov 13 2012 **Kerr, D.** Prodromal behavioral variant frontotemporal dementia (FTD) conceptualization and diagnostic challenges. Talk presented at *UAB Division of Neuropsychology, Department of Neurology, Neuropsychology Case Conference, Birmingham, AL.*
- Feb 26 2013 **Kerr, D.** Introduction to the Medicare Physician Quality Reporting System (PQRS) for neuropsychologists. Talk presented at *UAB Division of Neuropsychology, Department of Neurology, Neuropsychology Case Conference, Birmingham, AL.*
- Jan 10 2014 **Kerr, D.** The effects of motion on brain imaging data acquisition and results and how to reduce it. Talk presented at *Civitan Functional Neuroimaging Laboratory (CFNL), Birmingham, AL.*
- May 13 2014 **Kerr, D.** Professional issues in neuropsychology and case presentation using fact-finding. Talk presented at *UAB Division of Neuropsychology, Department of Neurology, Neuropsychology Case Conference, Birmingham, AL.*
- Jun 10 2014 **Kerr, D.** A neuroimaging model for loss of financial capacity in Alzheimer's disease. Talk presented at *UAB Neurology Grand Rounds, Birmingham, AL.*

Hospital and Other Non-Academic Invitations:

- Jun 21 2016 **Kerr, D.** Stress Management 101 for Providers and Patients. Talk presented at *Brookwood Baptist Health, Princeton Medical Center, Birmingham, AL.*

Seminar Invitations:

- 2014 **Kerr, D.,** Bartel, T., McLaren, D., Marson, D. A neuroimaging model for loss of financial capacity in Alzheimer's disease. Talk presented at *Society for Neuroscience Forty-Fourth Annual Meeting, Washington, D.C.*

2008

Kerr, D., Green, D., Oathes, D., Fink, T., McFarlin, D., & Nitschke, J. Neural correlates of anticipation in snake phobia. Talk presented at *Society for Neuroscience Thirty-Eighth Annual Meeting, Washington, D.C.*

INVITED REVIEWER

NeuroImage
Public Health

COMPUTER/ ANALYTICAL SKILLS

Proficient in a wide range of MRI/fMRI methodologies and skills, including 1.5T and 3T Siemens MRI machines using UNIX based and Numaris 4 NT interface software, GE 3T MRI machines and PET imaging, simultaneous MRI/EEG (Neuroscan software), genetic sample collection and analysis, psycho-physiological data collection and analysis (skin-conductance, pupil dilation, heart rate), proficiencies with several neuroimaging data analysis programs (i.e. AFNI, SPM8) state-of-the-art statistical analysis programs (i.e. SPSS, Matlab) and stimulus presentation and recording programs (i.e. DMDX, Psyscope, E-prime, Acqknowledge physiological software). Certified to handle radioactive materials.

APPENDIX-BUSINESS LICENSES CURRENTLY HELD

Jefferson County

License number: 16022504

Issued: April 26, 2016

Scheduled to be renewed: September 30, 2017

Class of license: "County Business License"

Schedule number: JCBL

Business location and name: Kerr, Deborah Lucille at 3929 Forest Ave., Mountain Brook

State of Alabama

License number: 16020354

Issued: April 26, 2016

Scheduled to be renewed: September 30, 2017

Class of license: "Medicine Doctors Chemist"

License type: Occupational License

Business location and name: Kerr, Deborah Lucille 3929 Forest Ave., Mountain Brook

City of Birmingham

License number: 06330

Issued: April 28, 2016

Scheduled to be renewed: December 31, 2016

License type: Ambulatory Healthcare Services

City of Mountain Brook, includes Home Occupation Permit

License number: 201604031

Issued: September 25, 2016

Scheduled to be renewed: December 31, 2016

License type: Professions