

# Curriculum Vitae

**Frank Andrew Kozel, M.D., M.S.C.R., D.F.A.P.A., F.C.T.M.S.S.**

Professor, Mina Jo Powell Endowed Chair – Neurological Sciences

Director FSU Neuromodulation at Innovation Park

Department of Behavioral Sciences and Social Medicine

Florida State University College of Medicine

E-mail: [fkozel@fsu.edu](mailto:fkozel@fsu.edu)

## Family

Wife – Kelly Marisa Kilty Kozel

Children – Frank Kilty Kozel

William Joseph Kozel married to Katie Ellis Kozel

## Education

*Yale University:* New Haven, CT 1985-1989;

Graduated Cum Laude with a B.A. in Psychology-Biology

Honors: Roosevelt Thompson Award - Given to graduating senior of Yale  
in recognition of humanitarian accomplishments.

Lipkind Prize - Given to graduating senior of Berkeley College  
in recognition of character.

Dwight Hall Humanitarian Award - Given in recognition of a  
human service project.

*University of Virginia School of Medicine:* Charlottesville, VA 1989-1993;

Graduated with an M.D.

NBME Part 1 Passed 74th percentile

NBME Part 2 Passed 92nd percentile

*Wilford Hall Medical Center:* Lackland AFB, TX 1993-1994;

NBME Part 3 Passed 88-92 percentile

Completed an internship in psychiatry June 30, 1994.

*United States Air Force School of Aerospace Medicine:* Brooks AFB, TX Summer 1994;

Completed Aerospace Medicine Primary Course.

*United States Air Force School of Aerospace Medicine:* Brooks AFB, TX Fall 1994;

Completed Aircraft Mishap Investigation & Prevention Course.

Board member for F-117 mishap June 95

Local Board member T-34 mishap Dec. 96

*Armed Forces Radiobiology Research Institute:* Bethesda, MD Winter 1995;

Completed Medical Effects of Nuclear Weapons Course.

*Combat Casualty Care Course:* Camp Bullis, TX. Spring 1995;

# Curriculum Vitae

Completed Advanced Trauma Life Support and Field exercises.

*Medical University of South Carolina: Charleston, SC. July 1998 to June 2001;*

Residency in Psychiatry

Honors: American Psychiatric Association Research Colloquium for  
Junior Investigators May 2001

HealthEmotions Research Institute Scholar – Wisconsin  
Symposium on Emotion April 2001

American Psychiatric Institute for Research and Education/  
Janssen Scholars in Research on Severe Mental Illness  
Fellowship 2000-2001

Resident Research Award from the Medical University of South  
Carolina for 2000-2001

Selected Chief Resident 2000-2001

Benjamin Riggs Award for Best Resident Paper 2000-2001  
“Regional Brain Correlates of Deception: A Pilot fMRI  
Study in Healthy Young Men”

Benjamin Riggs Award for Best Resident Paper 1999-2000  
“Detection of Deception”

J.J. Cleckley Award for Best Clinical Paper 1998-1999 “How the  
Distance from Coil to Cortex Relates to Age, Motor  
Threshold and Possibly the Antidepressant Response to  
Repetitive Transcranial Magnetic Stimulation”

Circle of Excellence Award for Outstanding Teaching in the  
Psychiatry Clerkship 1998-1999

Wyeth-Ayerst Resident Reporter for May 1999 American  
Psychiatric Association Meeting

MUSC Applause Program for quality patient care April 1999

*Medical University of South Carolina: Charleston, SC. July 2001 to June 2003*

Research Fellow in Neuroimaging and Brain Stimulation

Honors: K-30, Clinical Research Curriculum Award Fall 2001

MUSC Applause Program for quality patient care October 2001

American Psychiatric Association Research Colloquium for  
Junior Investigators May 2003

*Medical University of South Carolina: Charleston, SC. Fall 2001 to August 23, 2003*

Master of Science in Clinical Research, 4.0 GPA

Honors: MUSC Student Research Day 2<sup>nd</sup> Place - Masters Section  
Presentation November 2001

*Ralph H. Johnson VA: Charleston, SC, July 2002 to June 2005*

VA Special Fellowship in Psychiatric Research/Neuroscience

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## Employment

University of Central Florida, College of Medicine, October 2023 to present  
Affiliate/volunteer Professor of Psychiatry

Florida State University: Tallahassee, FL, September 2020 to present  
Tenured Professor, Mina Jo Powell Endowed Chair – Neurological Sciences  
Director FSU Neuromodulation at Innovation Park  
Department of Behavioral Sciences and Social Medicine  
Florida State University College of Medicine

Florida State University: Tallahassee, FL, January 2021 to December 2022  
Medical Director FSU Behavioral Health at Apalachee Center  
Co-Director FSU Mood and Anxiety Center of Excellence (unclear dates)

James A Haley VA: Tampa, FL, August 2013 to September 2020  
Director of TMS Clinic & Staff Psychiatrist in Mental Health and Behavioral  
Sciences

University of South Florida: Tampa, FL, August 2018 to September 2020  
Professor - Department of Psychiatry and Behavioral Neurosciences

University of South Florida: Tampa, FL, July 2011 to August 2018  
Associate Professor - Department of Psychiatry and Behavioral Neurosciences  
Adjunct Sept 2013 – April 2014  
Courtesy Core Faculty May 2014 to November 2015  
Part-time Faculty December 2015 to December 2016  
Collaborative Faculty January 2017 to August 2018

University of Texas Southwestern Medical Center: Dallas, TX, July 2005 to July 2011  
Assistant Professor – Department of Psychiatry

Medical University of South Carolina: Charleston, SC, July 2005 to June 2008  
Adjunct Assistant Professor – Department of Psychiatry  
Brain Stimulation Lab & Center for Advanced Imaging Research

Medical University of South Carolina: Charleston, SC, July 2003 to June 2005  
Assistant Professor – Department of Psychiatry  
Brain Stimulation Lab & Center for Advanced Imaging Research  
Honors: Selected Future Leaders in Psychiatry Meeting - April 2004

Medical University of South Carolina: Charleston, SC, July 2001 to Jun 2003

# Curriculum Vitae

Instructor – Institute of Psychiatry  
Fellow - Brain Stimulation Lab & Center for Advanced Imaging Research  
Faculty Preceptor for the Preceptorship Depression Education Program for  
Pharmaceutical Representatives, Summer & Fall 2002

Ralph H. Johnson VA: Charleston, SC, July 2001 to June 2002  
Staff Psychiatrist (part-time)

Charleston/Dorchester Community Mental Health Center: Charleston, SC, August 1999  
to September 2001. Staff Psychiatrist (part-time)

Medical University of South Carolina: Charleston, SC, July 1998 to June 2001.  
Chief Resident – Fourth Year  
Fellow (part time) Brain Magnetic Stimulation Laboratory & Functional  
Neuroimaging Research Division, Fall 1998 to 2001  
Objective Structural Clinical Evaluation (OSCE) Preceptor for third year medical  
students doing psychiatry rotation, Fall 1999 to 2001  
Gross Neuroanatomy Lab Assistant for First Year Medical Students, Winter 2000  
Faculty Preceptor for the Preceptorship Depression Education Program for  
Pharmaceutical Representatives, Summer and Winter 2000, Spring 2001

Brain Stimulation Laboratory: Medical University of South Carolina, January 2001  
Instructor for Introduction to Transcranial Magnetic Stimulation mini-fellowship

Designated Medical Examiner for Berkeley/Charleston/Dorchester County Probate  
Court: August 1998 to November 2000

United States Air Force: Active Duty Captain.  
Flight Surgeon. Officer in charge of flight medicine and/or physical exams and  
standards at 42 AMDS, Maxwell AFB, AL, July 96 to June 98  
Flight Surgeon. Officer in charge of flight medicine and the 9th BS medical  
element, Dyess AFB, TX, September 1994 to June 96  
Psychiatry Intern. Wilford Hall Medical Center, Lackland AFB, TX, June 1993 -  
August 1994

## Awards:

Air Force Commendation Medal  
Air Force Outstanding Unit Award  
National Defense Service Medal  
Southwest Asia Service Medal with Service Star  
Air Force Longevity Service Award  
Air Force Training Ribbon  
Served in AOR Operation Desert Shield/Storm 1995

United States Air Force: Reserve, Second Lieutenant, 1989-1993, Health Professions  
Scholarship Program

## Curriculum Vitae

Association of Artisan Able to Cane: Spring 1988 - Summer 1989, Co-founder & Co-director of a transitional work program for the mentally and emotionally disabled

New Haven Halfway House (NHHH): Jan. 1988 to Jan. 1989, Counselor

Dwight Hall Summer Intern: Summer 1988, Counselor at NHHH and participated in various human services projects

Yale Summer Program: Summer 1987 & 1988, Counselor

Yale University Dining Services: Spring 1987-Summer 1989, Bartender, dishwasher, food server, and cleaning

Norwich Savings Society: Summers 1985-1987, Coordinator business checking, customer complaints, and personal checking clerk

### Journals & Grants

#### Editorial:

Member, Editorial Board of Journal of ECT - 01/2020 to present

#### Associate Editor:

Frontiers in Neuropsychiatric Imaging and Stimulation - 03/2010 to 2020

#### Ad hoc Reviewer Journal:

Acta Psychiatrica Scandinavica

Annals of General Psychiatry

Journal of Affective Disorders

American Journal of Psychiatry

Archives of General Psychiatry

Biological Psychiatry

Biological Psychiatry: Cognitive Neuroscience and Neuroimaging

Bipolar Disorders - An International Journal of Psychiatry and Neurosciences

Brain Stimulation - Basic, Translational, and Clinical Research in Neuromodulation

Cerebral Cortex

Clinical Neurophysiology

Comprehensive Psychiatry

Depression and Anxiety

ExpertReview of Neurotherapeutics

JAMA Psychiatry

Journal of Biomedical Optics

Journal of Anxiety Disorders

The Journal of Clinical Psychiatry

Journal of Clinical Psychopharmacology

Journal of Geriatric Psychiatry and Neurology

Journal of the International Neuropsychological Society

# Curriculum Vitae

Journal of Psychiatric Practice  
Journal of Psychiatric Research  
Journal of Psychiatry & Neuroscience  
Human Brain Mapping  
Human Psychopharmacology: Clinical and Experimental  
International Journal of Neuropsychopharmacology  
The International Journal of Psychiatry in Medicine  
Molecular Psychiatry  
NeuroImage  
Neuromodulation: Technology at the Neural Interface  
Neuropsychologia  
Neuropsychopharmacology  
Neurosurgery  
PLoS ONE  
Psychiatric Services  
Psychiatry Research  
Psychological Medicine  
Public Health Research  
Social Neuroscience  
Value in Health

## Grant Reviewer:

2023/02 DOD CDMRP  
2022/06 2022/10 ZMH1 ERB-S (06) S (Chaired Meeting)  
2022/03 FSU Institute for Successful Longevity  
2021/10 2022/01 NPAS Neural Basis of Psychopathology, Addictions and Sleep Disorders Study Section  
2021/06 UF + FSU CTSA Pilot application  
2021/05 ZMH1 ERB-N (06) R - Pharmacologic or Device-based Interventions for the Treatment of Mental Disorders Special Emphasis - Panel/Scientific Review Group (March 2021)  
2021/01 ZMH1 ERB-M (01) S - NIMH K99/R00 & K22 Review - Special Emphasis Panel/Scientific Review Group (Nov 2020)  
2020/08 ZMH1 ERB-M (07) R - Safety and Feasibility Trials for Rapid-Acting Interventions for Severe Suicide Risk (June 2020)  
2020/01 ZMH1 ERB-D (02) S - Pharma/Device Early Phase Clinical Trials (October 2019)  
2019 Defense and Veterans Brain Injury Center (DVBIC) (May 2019)  
2018 CAMH Discovery Fund (May 2018)  
2017/05 ZMH1 ERB-D (05) R - National Institute of Mental Health Special Emphasis Panel (Jan 2017)  
Veterans Affairs RR&D SPiRE Reviewer (Spring 2014)  
NIH – CSR NPAS Jun 04, Oct 05 (Temporary Member)  
Department of Defense Polygraph Institute  
Research Grant Council of Hong Kong  
United States-Israel Binational Science Foundation (BSF)

# Curriculum Vitae

American Institute of Biological Sciences (AIBS) for proposal directed to US Army  
Medical Research and Materiel Command (USAMRMC)  
Economic & Social Research Council (ESRC)

## Memberships

*The American Psychiatric Association:* 1993 to 1995, 1999 to present: Fellow 2013;  
Distinguished Fellow 2014

*The Florida Psychiatric Association:* 2011 to present

*Clinical TMS Society:* 2016 to Present; selected as Fellow 2022

Elected Board of Directors May 2017-2020; 2020-2023

Selected Co-Chair Clinical Standards Committee May 2021 – May 2023

Selected Clinical Standards Committee July 2020 - present

Elected to Co-Chair Research Committee May 2017 - May 2020

Member Research Committee October 2016 – present

Fellow 2022 – present

President's Award May 2022 for "Dedication, Coordination, Efforts &  
Leadership to Advance the Ideals of the Clinical TMS Society"

*Society of Biological Psychiatry:* January 2001 to present

Selected for Annual Meeting Program Planning Committee 2017 – 2020

*American College of Neuropsychopharmacology (Associate):* 2007 to 2013

*Organization of Human Brain Mapping:* 2003 to 2017

*Texas Society of Psychiatric Physicians:* 2005 to 2011

*Society for Neuroscience:* 2006 to 2012

*International Society for Neurostimulation:* 2009 to 2011

*International Society for Transcranial Stimulation:* 2002 to 2009 (merged to become  
International Society for Neurostimulation)

*American Neuropsychiatric Association:* 2001 to 2009

*Diplomate of the American Board of Psychiatry and Neurology:* October 2002 to present

*Diplomate of the National Board of Medical Examiners:* July 1995

*License to Practice Medicine in Florida:* June 2011 to present

*License to Practice Medicine in Texas:* June 2005 to present

*License to Practice Medicine in South Carolina:* July 1998 to 30 June 2023

*License to Practice Medicine in the Commonwealth of Virginia:* 1995-1998

## Committees/Advisory Groups/Boards

### Current:

Selection committee Co-Chief Editor of TMS journal – Chair – Clinical TMS Society.  
December 2023 to present.

Data Safety Monitoring Board - Chair - (PI: Ziad Nahas, M.D.) Prefrontal Cortical  
Stimulation (PCS) for Treatment Resistant Depression. University of Minnesota. January  
2023 to present

# Curriculum Vitae

Psychiatry Student Interest Group. Florida State University College of Medicine.  
November 2021 to present

FSU Institutional Review Board (IRB). August 2021 to present as alternate.

Data Safety Monitoring Board - Chair - (PI: Ziad Nahas, M.D.) Focal Electrically Administered Seizure Therapy (FEAST) for depression. University of Minnesota. July 2022 to present

Data Safety Monitoring Board - (PI: Noah Philip, M.D.) Sponsor: National Institute of Mental Health; Low intensity focused ultrasound: a new paradigm for depression and anxiety. July 2021 to present

NNDC Neuromodulation Task Group – April 2021 to present

Data Safety Monitoring Board - (PI: Sanne J.H. van Rooij, Ph.D.) Sponsor: National Institute of Mental Health; 1K01MH121653-01A1. The effect of Transcranial Magnetic Stimulation (TMS) on PTSD Neuroimaging and Psychophysiological Biomarkers. January 2021 to present

Selected for CTMSS Clinical Standards Committee - Clinical TMS Society. July 2020 to present. Co-chair May 2021 to May 2023.

Brain Stimulation Advisory Group for VA Office of Research and Development (ORD). May 2018 to present

Clinical TMS Society Research Committee Meeting. October 2016 to present; Co-Chair of committee May 2017 to May 2020.

## Completed/Past:

Safety Officer - (PI: Julia Sheffler, PhD) Sponsor National Institute of Aging; Feasibility and Acceptability of an MI-CBT Ketogenic Adherence Program for Pain in Older Adults with Mild Cognitive Impairment. July 2021 to July 2023

Data Safety Monitoring Board - Chair (PI: Joy L. Taylor, PhD) Sponsor: The National Institute on Aging; 1 R01 AG055526. Noninvasive Cortical Stimulation to Improve Memory in Mild Cognitive Impairment (MCI). July 2017 to 2022

Elected to Board of Directors - Clinical TMS Society May 2017- May 2020; May 2020-May 2023

Psychiatry Residency Program Director Search Committee for FSU/AC/TMH. January 2022 to March 2023. (Chair)

FSU College of Medicine Dean Search Committee. March 2022 to December 2022



## Curriculum Vitae

Clinical Trial Research Unit Committee - FSU OCRA – (Directed Donna O’Neal).  
Member October 2020 to June 2021.

Psychotherapy Committee for FSU Behavioral Health at Apalachee Center. September  
2021 to June 2022. Chair

Data Safety Monitoring Board – (PI: Colleen Loo) Sponsor: University of New South  
Wales - Ketamine therapy among patients with treatment-resistant depression: a  
randomized, double blind, placebo-controlled trial. KADS. April 2016 to June 2021

Clinical TMS Society Annual Meeting Abstract/Poster Review Committee. Chair of sub-  
committee for 2018, 2019, 2020, and 2021.

Neuronetics Scientific Advisory (Unpaid advisor) – May 2017 to September 2020

University of South Florida IRB-01B. June 2014 to September 2020

James A. Haley Research and Development Committee. Dec 2013 to September 2020

University of South Florida – Psychiatry and Behavioral Neurosciences Departmental  
Level Promotion and Tenure Committee. March 2019 to September 2020

Society of Biological Psychiatry's Program Planning Committee for the 2018 through  
2020 meetings. April 2017 to May 2020

Clinical TMS Society Membership Committee. August 2016 to May 2017

Data Safety Monitoring Board – (PI: Colleen Loo) Sponsor: University of New South  
Wales - A Controlled Trial of Transcranial Direct Current Stimulation as a Treatment for  
Unipolar and Bipolar Depression. May 2013 to October 2015

National Network of Depression Centers: rTMS Task Group – August 2009 to July 2011

UTSW IRB #4 Alternate Member – Sept 2007 to July 2011

Data Safety Monitoring of Study - P60 (PI: Rick Silver) NIH/NIAMSA - Pilot Study of  
TMS Effects on Pain and Depression in Patients with Fibromyalgia. 3 July 07 to Dec 09  
(Study PI – E. Baron Short)

Imaging Committee - NIMH Optimization of TMS for Depression  
1R01MH069896 01A1 (PI - Mark George) – Jan 2005 to July 2005

Stanley Medical Research Institute (SMRI) Center Executive Committee, July 06 - Mar  
07 (PI - John Rush)

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Data Safety Monitoring Board - NIMH Combined Pharmacologic/Behavior Therapy in Adolescent Smokers, February 2005 to October 2008, (PI – Himanshu Upadhyaya)

Data Safety Monitoring Board – Chair - Quetiapine for Bipolar Disorder and Alcohol Dependence, Aug 2007 to May 2010 (PI - E. Sherwood Brown)

Data Safety Monitoring Board – Chair - Ziprasidone in Pediatric Bipolar Disorder: A 6-Week, Open-Label Comparison of Rapid vs. Slow Dose Titration, December 2007 to 2010 (PI - Kirti Saxena)

Data Safety Monitoring Board – Chair – Citicoline for Bipolar Disorder and Cocaine Dependence, NIDA 1 R01 DA022460-01A2, Mar 2008 to May 2013 (PI – E. Sherwood Brown)

Advanced Imaging Research Center - Protocol Review Committee – July 2008 to September 2010

## Research

### Peer Reviewed Manuscripts

#### 1999

1) George MS, Nahas Z, **Kozel FA**, Goldman J, Molloy M, Oliver NC: Improvement of Depression Following Transcranial Magnetic Stimulation. *Current Psychiatry Reports* 1999, 1: 114-124.

#### 2000

2) **Kozel FA**, Nahas Z, deBrux C, Molloy M, Lorberbaum J, Bohning D, Risch SC, George M: Coil-Cortex Distance relates to Age, Motor Threshold, and Antidepressant Response to Repetitive Transcranial Magnetic Stimulation. *The Journal of Neuropsychiatry and Clinical Neurosciences* 2000; 12: 376-384.

3) Nobler MS, Teneback CC, Nahas Z, Bohning DE, Shastri A, **Kozel A**, George MS: Structural and Functional Neuroimaging of ECT and TMS. *Depression and Anxiety* 2000; 12: 144-156.

#### 2001

4) Nahas Ziad, Teneback Charlotte C, **Kozel Andy**, Speer Andrew M., DeBrux Cart, Molloy Monica, Stallings Lauri, Spicer Kenneth M, Arana George, Bohning Daryl E, George Mark S: Brain Effects of Transcranial Magnetic Stimulation Delivered Over Prefrontal Cortex in Depressed Adults: The Role of Stimulation Frequency and Distance from Coil to Cortex. *The Journal of Neuropsychiatry and Clinical Neurosciences* 2001; 13: 459-470.

## Curriculum Vitae

5) McConnell KA, Nahas Z, Shastri A, Lorberbaum JP, **Kozel FA**, Bohning DE, George MS: The Transcranial Magnetic Stimulation Motor Threshold Depends on the Distance from Coil to Underlying Cortex: A Replication in Healthy Adults Comparing Two Methods of Assessing the Distance to Cortex. *Biological Psychiatry* 2001; 49: 454-459.

6) Chae Jeong-Ho, Li Xingbao, Nahas Ziad, **Kozel F. Andrew**, George Mark S.: A review of the minimally invasive brain stimulation techniques in psychiatry. *Rev Bras Psiquiatr* 2001; 23 (2): 100-109.

### 2002

7) **Kozel FA**, George MS: Meta-Analysis of Left Prefrontal Repetitive Transcranial Magnetic Stimulation (rTMS) to Treat Depression. *Journal of Psychiatric Practice* 2002; 8: 270-275.

8) George Mark S, Nahas Ziad, Bohning Daryl E., **Kozel F. Andrew**, Anderson Berry, Chae Jeong-Ho, Lomarev Mikhael, Denslow Stewart, Li Xingbao, Mu Chiwen: Vagus Nerve Stimulation: A Research Update. *Neurology* (supplement 4) in VNS, 5 Years After Approval, Wheless and Shachter (eds); 59:S56-S61.

9) George Mark S, Nahas Ziad, Li Xiangbao, **Kozel F. Andrew**, Anderson Berry, Yamanaka Kaori, Chae Jeong-Ho, Foust Milton: Novel Treatments of Mood Disorders Based on Brain Circuitry. Tucker (ed); *Seminars in Clinical Neuropsychiatry* 2002; 7: 293-304.

10) George Mark S, Nahas Ziad, Li Xiangbao, **Kozel F. Andrew**, Anderson Berry, Yamanaka Kaori: Potential New Brain Stimulation Therapies in Bipolar Illness: Transcranial Magnetic Stimulation (TMS) and Vagus Nerve Stimulation (VNS). in a special volume entitled Depression in Bipolar Illness: The Stepchild. Robert M. Post, (ed), *Clinical Neuroscience Research* 2002; 2: 256-265.

11) George MS, Nahas Z, **Kozel FA**, Li X, Denslow S, Yamanaka K, Mishory A, Foust MJ, Bohning DE: Mechanisms and State of the Art of Transcranial Magnetic Stimulation. *J. ECT.* 2002;18: 170-181.

### 2003

12) Nahas Ziad, **\*Kozel F. Andrew**, Li Xingbao, Anderson Berry, George Mark S.: Left Prefrontal Transcranial Magnetic Stimulation (TMS) Treatment of Depression in Bipolar Affective Disorder: A Pilot Study of Acute Safety and Efficacy. *Bipolar Disorders – An International Journal of Psychiatry and Neurosciences.* 2003; 5: 40-47.

\*Corresponding author

13) George MS, Nahas Z, **Kozel FA**, Li X, Yamanaka K, Mishory A, Bohning DE. Mechanisms and the Current State of Transcranial Magnetic Stimulation. *CNS Spectrums.* 2003; 8(7): 496-514. DOI: <http://dx.doi.org/10.1017/S1092852900018976>.

## Curriculum Vitae

14) George MS, Nahas Z, Lisanby SH, Schlaepfer T, **Kozel FA**, Greenberg BD. Transcranial magnetic stimulation. *Neurosurg Clin N Am.*, Rezai, Rasmussen and Greenberg, eds., W.B. Saunders Company, Philadelphia, 14 (2) 2003, pp 283-301.

### 2004

15) **Kozel FA**, Revell LJ, Lorberbaum JP, Shastri A, Elhai JD, Horner MD, Smith A, Nahas Z, Bohning DE, George MS: A Pilot Study of Functional Magnetic Resonance Imaging Brain Correlates of Deception in Healthy Young Men. *Journal of Neuropsychiatry and Clinical Neurosciences*. 2004; 16(3): 295-305.

16) **Kozel FA**, George MS, Simpson K. Decision Analysis of Cost Effectiveness of Repetitive Transcranial Magnetic Stimulation (rTMS) versus Electroconvulsive Therapy (ECT) for Treatment of Non-psychotic Severe Depression. *CNS Spectrums*. 2004; 9: 476-482.

17) Li X, Nahas Z, **Kozel FA**, Anderson B, Bohning DE, George MS: Acute left prefrontal TMS in Depressed Patients is Associated with Immediately Increased Activity in Prefrontal Cortical as well as Subcortical Regions. *Biological Psychiatry*. 2004; 55: 882-890.

18) Li X, Nahas Z, Anderson B, **Kozel FA**, George MS: Can rTMS be used as a maintenance treatment for bipolar depression? *Depression and Anxiety*. Case Report. 2004; 20: 98-100.

19) **Kozel FA**, Padgett T, George MS: A Replication Study of the Neural Correlates of Deception. *Behavioral Neuroscience*. 2004; 118: 852-856.

20) Nahas, Z., Li, X., **Kozel, F.A.**, Mirski, D., Mamon, M., Miller, K., Yamanaka, K., Kapp, R., Chae, JH., Bohning, D., Mintzer, J., George, M.: Beneficial effects of Distance-Adjusted Prefrontal TMS in Geriatric Depression. *Depression and Anxiety* 2004 19(4): 249-56

21) Mishory, A, Molnar CE; Stroud Z; Li X, Koola J, **Kozel FA**, Myrick H, Nahas Z, George MS. The Maximum-Likelihood Strategy (MLS) for Determining TMS Motor Threshold, using Parameter Estimation by Sequential Testing (PEST) is Faster than Conventional Methods, With Similar Accuracy. *The Journal of ECT*. 2004; 20: 160-165.

22) Li Xingbao, Teneback Charlotte, Nahas Ziad, **Kozel F. Andrew**, Large Charles, Cohn Jeffrey, Bohning Daryl E., and George Mark S.: Interleaved Transcranial Magnetic Stimulation/functional MRI Confirms that Lamotrigine Inhibits Cortical Excitability in Healthy Young Men. *Neuropsychopharmacology*. 2004; 29: 1395–1407.

23) George MS, Nahas Z, Bohning DE, Mu Q, **Kozel FA**, Borckhardt J, Denslow S. Mechanism of Action of Vagus Nerve Stimulation (VNS). *Clinical Neuroscience Research*. 2004; 4: 71-79.

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## 2005

24) **Kozel FA** and George MS. Neuroimaging and Depression with Inadequate Treatment Response. *Primary Psychiatry*. 2005; 12: 30-34.

25) **Kozel FA**, Nahas Z, Bohning DE, George MS. Functional Magnetic Resonance Imaging and Transcranial Magnetic Stimulation. *Psychiatric Annals*. 2005; 35: 131-136.

26) Mu Q, Mishory A, Johnson KA, Nahas Z, **Kozel FA**, Yamanaka K, Bohning DE, George MS. Decreased Brain Activation During a Working Memory Task at Rested Baseline Is Associated with Vulnerability to Sleep Deprivation. *Sleep*. 2005; 28: 433-446.

27) Borckardt, J.J., **Kozel, F.A.**, Anderson, B., Walker, A., and George, M.S. Vagus nerve stimulation affects pain perception in depressed adults. *Pain Research and Management*. 2005; 10: 9-14.

28) **Kozel FA**, Johnson KA, Mu Q, Grenesko E, Laken SJ, and George MS. Detecting Deception using Functional MRI. *Biological Psychiatry*. 2005; 58(8): 605-613. PMID: 16185668

## 2006

29) Borckardt JJ, Anderson BA, **\*Kozel FA**, Nahas Z, Smith AR, Thomas KJ, Kose S, George MS. Acute and long-term VNS effects on pain perception in a case of treatment-resistant depression. *Neurocase*. 2006 Aug; 12(4): 216-20.

\*Listed as Andrew, Kozel F in PubMed

30) Borckardt JJ, Weinstein M, Reeves ST, **Kozel FA**, Nahas Z, Smith AR, Byrne KT, Morgan K, George MS. Post-Operative Left Prefrontal Repetitive Transcranial Magnetic Stimulation Reduces Patient-Controlled Analgesia Use. *Anesthesiology*. 2006 Sep; 105(3): 557-62.

31) KA Johnson, Z Nahas, **FA Kozel**, D Ramsey, DE Bohning, B Anderson, HA Sackeim, MS George and the OPT-TMS Study Group. Using Imaging to Target the Prefrontal Cortex for TMS Studies in Treatment Resistant Depression. *Dialogues in Clinical Neuroscience*, 2006, 8(2): 266-268.

## 2007

32) Nahas Z, Teneback C, Chae JH, Mu Q, Molnar C, **Kozel FA**, Walker J, Anderson B, Koola J, Kose S, Lomarev M, Bohning DE, George MS. Serial Vagus Nerve Stimulation Functional MRI (VNS/fMRI) in Treatment Resistant Depression. *Neuropsychopharmacology*, 2007, Aug; 32(8): 1649-1660.

33) Mu Q, Johnson K, Morgan P, Grenesko E, Molnar C, Anderson A, Nahas Z, **Kozel FA**, Kose S, Knable M, Fernandes P, Nichols D, Mailman R, George MS. A single 20 mg dose of the full D1 dopamine agonist dihydroxydine (DAR-0100) increases prefrontal cortical perfusion in schizophrenia. *Schizophrenia Research*. 2007 Aug; 94(1-3): 332-41.

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34) Borckardt JJ, Smith AR, Reeves ST, Weinstein M, **Kozel FA**, Nahas Z, , Shelley N, Branham RK, Thomas KJ, George MS. Fifteen minutes of left prefrontal repetitive transcranial magnetic stimulation acutely increases thermal pain thresholds in healthy adults. *Pain Res Manag.* 2007 Winter; 12(4): 287-90.

### 2008

35) **Kozel FA**, Trivedi MH, Wisniewski SR, Miyahara S, Husain MM, Fava M, Lebowitz B, Zisook S, Rush AJ. Treatment outcomes in older depressed patients with earlier vs. late onset of first depressive episode: A STAR\*D Report, 2007, *American Journal of Geriatric Psychiatry.* 2008 January; 16 (1): 58-64. PMID: 18165462

36) Johnson K, George MS, **Kozel FA**. Detecting Deception Using Functional Magnetic Resonance Imaging. *Directions in Psychiatry*, 2008, 28; Special Report, pp. SR1-SR10.

37) **Kozel FA** and Trivedi M. Neuroimage and Crime: Developing a Neuropsychiatric Functional Brain Imaging Test. *Neurocase.* 2008, 14 (1): 52-53. PMID: 18569731

38) Borckardt JJ, Reeves ST, Weinstein M, Smith AR, Shelley N, **Kozel FA**, Byrne KT, Morgan K, George MS. Significant Analgesic Effects of One Session of Postoperative Left Prefrontal Cortex Repetitive Transcranial Magnetic Stimulation: A replication study. *Brain Stimulation.* April 2008, 1 (2): 122-127. PMID: 19759838

### 2009

39) **Kozel FA**, Johnson KA, Grenesko EL, Laken SJ, Kose S, Lu X, Pollina D, Ryan A, and George MS. Functional MRI Detection of Deception After Committing a Mock Sabotage Crime. *The Journal of Forensic Sciences.* 2009, 54 (1): 220-231. PMID: 19067772

40) **Kozel FA**, Johnson KA, Laken SJ, Grenesko EL., Walker J, and George MS. Can Simultaneously Acquired Electrodermal Activity Improve Accuracy of fMRI Detection of Deception? *Social Neuroscience.* 2009, 4 (6): 510-517. PMID: 18633826

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### 2003

19) **Kozel, FA**. Lie Detection – Past, Present, & Future. Forensic Day of Discovery, MUSC, March 2003., Charleston, SC.

20) Li X, Nahas Z, Anderson, B, **Kozel FA**, Yamanaka, K, Bohning DE, George MS. Transcranial Magnetic Stimulation delivered over the left prefrontal cortex of depressed patients increases local cortical activity as well as in the right orbitofrontal cortex, hippocampus, insula and thalamus. Society of Biological Psychiatry Annual Meeting May 2003; (Abstract).

21) **Kozel FA**, Padgett T, George MS. Measuring Brain Changes Associated with Deception Using 3T BOLD Functional MRI. #455. Human Brain Mapping, New York, NY (Abstract).

22) **Kozel FA**: TMS in geriatric depression – does it work and what does it tell us about the disease and the technology. Part of a symposium on ‘Enhancing the Human Connection in the Age of New Technologies: Implications and Opportunities for the Aging’ (M George Chair). S016, International Psychogeriatric Association’s Eleventh International Congress. Chicago, IL, August 2003 (Abstract).

23) Bachman D, **Kozel FA**, Granholm-Bently L, Wagner M. Controversies in Alzheimer’s Disease. Part of the Twelfth Annual Nat Rosenfeld Memorial Conference on Alzheimer’s Disease. Charleston, SC, September 2003 (Panel).

24) **Kozel, FA**. Transcranial Magnetic Stimulation as a Treatment for Depression. Part of A Day of Discovery: Advances in Treatment-Resistant Depression. MUSC, Charleston, SC, October 2003.

25) Borckardt JJ, **Kozel FA**, George MS. Do Different Vagal Nerve Stimulation (VNS) Setting Parameters Have Differential Effects on Acute Pain Perception? #107 (pg. 227) American College of Neuropsychopharmacology (ACNP) 42nd Annual Meeting, Dec. 2003 (Abstract).



# Curriculum Vitae

## 2004

- 26) **Kozel FA**. Transcranial Magnetic Stimulation as a Research Tool. Continuing Education Program. International Neuropsychological Society 32<sup>nd</sup> Meeting, Feb. 2004.
- 27) **Kozel FA**. VNS for Resistant Depression. Psychiatry Grand Rounds. East Tennessee State University. Johnson City, Tn. April 2004.
- 28) **Kozel FA**. Brain Imaging in Neuropsychiatry. Brain Stimulation Techniques in Neuropsychiatry. Both lectures part of *Advances in Neuropsychiatry* Course #20. American Psychiatric Association 157<sup>th</sup> Meeting, NY, NY May 2004.
- 29) Li X, Nahas Z, **Kozel FA**, Teneback C, Bohning DE, George MS, Large C, Cohn J. Non-invasive Functional Connectivity: A Direct Comparison of the Secondary Activations Induced by Prefrontal versus Motor Cortex Stimulation using the Interleaved TMS/fMRI Technique in Healthy Young Men. Society of Biological Psychiatry Annual Meeting May 2004; #134: 39S (Abstract).
- 30) Morgan PS, **Kozel FA**, George MS, Johnson KA, Baylis GC, Rorden C. "Optimal SENSE factor for BOLD fMRI at 3T" In Proceedings of the ISMRM 12th scientific meeting (Kyoto) page 1030 (2004).
- 31) **Kozel, FA**. Using Functional Magnetic Resonance Imaging (fMRI) to Detect Deception. Part of Session #5140 -Credibility Assessments-Technology Impact for Law Enforcement Applications. American Psychological Association. Hawaii July 2004.
- 32) **Kozel FA**, Johnson KA, Mu Q, Grenesko E, Laken SJ, and George MS. Developing Functional MRI Detection of Deception. *Neuropsychopharmacology*. Vol 29, Supplement 1, #47; pp S84-S85. American College of Neuropsychopharmacology (ACNP) 43<sup>rd</sup> Annual Meeting, Dec. 2004 (Abstract).
- 33) George MS, Nahas Z, Anderson B, **Kozel FA**, Jones L, Molnar C, Knable M, Nichold DE, Mailman R. A pilot study assessing the effects of DAR-0100 (a dopamine D1 full agonist) on regional brain activity and task-specific activation in patients with schizophrenia. *Neuropsychopharmacology*. Vol 29, Supplement 1, #138; pp S117. American College of Neuropsychopharmacology (ACNP) 43<sup>rd</sup> Annual Meeting, Dec. 2004 (Abstract).
- 34) Nahas Z, Teneback C, Chae JH, Mu Q, Molnar C, **Kozel FA**, Walker J, Koola J, Lomarev M, Bohning DE, George MS. Serial Vagus Nerve Stimulation Functional MRI (VNS/fMRI) in Treatment-Resistant Depression. *Neuropsychopharmacology*. Vol 29, Supplement 1, #27; pp S191. American College of Neuropsychopharmacology (ACNP) 43<sup>rd</sup> Annual Meeting, Dec. 2004 (Abstract).

## 2005

## Curriculum Vitae

- 35) **Kozel FA**, Nahas Z, Ramsey D, Molnar C, Johnson K, Grenesko E, George MS. Measuring Scalp to Cortex Distance in Order to Adjust TMS Stimulation Parameters. Society of Biological Psychiatry Annual Meeting May 2005;(Abstract).
- 36) Short EB, Kose S, Newberg A, George MS, **Kozel FA**. FMRI Investigation of Meditation. Society of Biological Psychiatry Annual Meeting May 2005;(Abstract).
- 37) Nahas Z, Molnar C, Ramsey D, Walker J, Denslow S, Koola J, Johnson K, **Kozel FA**, Li X, Bohning DE, George MS. Prefrontal cortical excitability in non-medicated schizophrenia subjects using interleaved TMS/fMRI. Society of Biological Psychiatry Annual Meeting May 2005;(Abstract).
- 38) Molnar C, Nahas Z, Ramsey D, Bohning P, Denslow S, Walker J, Johnson K, **Kozel FA**, Bohning DE, George MS. Prefrontal cortical excitability in non-medicated schizophrenia subjects using interleaved TMS/fMRI. Society of Biological Psychiatry Annual Meeting May 2005;(Abstract).
- 39) **Kozel, F.A.** Detection of Deception Using Functional MRI. Presentation part of Brain Imaging Center of Excellence Symposium: April 15th, 2005; Charleston S.C.
- 40) Morgan PS, George MS, **Kozel FA**, Fridriksson J, Baylis G, Martel AL, Auer DP, Moody AR. Dynamic Contrast Enhanced Whole Brain Perfusion using a Rapid 3D T<sub>1</sub>-weighted Sequence at 1.5T and 3T Proceedings of the ISMRM. 2005 13th Scientific Meeting (Miami) p.1258 (Abstract).
- 41) George MS, Nahas Z, Anderson B, **Kozel FA**, Mu Q, Molnar C, et al. A pilot study assessing the effects of Dar-0100 (A Dopamine Full Agonist) on regional brain activity and task-specific activation in patients with schizophrenia. *Neuropsychopharmacology*. Vol 30, Supplement 1, #125; pp S126. American College of Neuropsychopharmacology (ACNP) 44nd Annual Meeting, Dec. 2005 (Abstract).
- 42) Borckardt J, Smith AR, Weinstein M, Reeves ST, Gilbert S, Barry A, **Kozel FA**, George MS. Effects of Left Prefrontal rTMS on Laboratory, Neuropathic and Post-Operative Pain. *Neuropsychopharmacology*. Vol 30, Supplement 1, #138; pp S131. American College of Neuropsychopharmacology (ACNP) 44nd Annual Meeting, Dec. 2005 (Abstract).
- 43) Nahas Z, Molnar C, Ramsey D, Walker J, Koola J, Johnson K, Holt R, Horner M, **Kozel FA**, Denslow S, Bohning DE, George MS. Prefrontal Activity in Schizophrenia: An Interleaved TMS/fMRI Study. *Neuropsychopharmacology*. Vol 30, Supplement 1, #153; pp S204. American College of Neuropsychopharmacology (ACNP) 44nd Annual Meeting, Dec. 2005 (Abstract)

### 2006

- 44) **Kozel FA**, "Mechanism of Action for Transcranial Magnetic Stimulation" as part of Transcranial Magnetic Stimulation CME; American Psychiatric Association, May 2006,

# Curriculum Vitae

Toronto, Ontario

45) Kevin A Johnson, Mark S George, Qiwen Mu, Berry Anderson, **F Andrew Kozel**, Ziad Nahas, Emily Grenesko, Chris Molnar, Lori E Jones, Michael Knable, Prabhavathi B Fernandes, David E Nichols, Richard B Mailman: Effects of a Full D1 Agonist on Gadolinium Perfusion, BOLD fMRI, and Cognitive Performance in Schizophrenic Patients. In *NeuroImage*, 12th Annual Meeting of Human Brain Mapping (Florence) Volume 31, Supplement 1, page S48 (2006).

46) Borckardt JJ, Weinstein M, Reeves ST, Smith AR, **Kozel FA**, Nahas Z, Shelley N, George MS. The effects of Transcranial Magnetic Stimulation over the left prefrontal cortex on pain perception in healthy adults, Gastric Bypass Surgery Patients and Patients with Chronic Neuropathic Pain. *Neuropsychopharmacology* Vol 31, Supp 1, 2006 (Abstract)

47) Johnson KA, Baylis GC, **Kozel FA**, George MS. Classical Conditioning using Transcranial Magnetic Stimulation as the unconditional stimulus. *Neuropsychopharmacology* Vol 31, Supp 1, 2006 (Abstract)

48) **Kozel FA**, Trivedi MH, Wisniewski SR, Miyahara S, Husain MM, Fava M, Lebowitz B, Zisook S, Rush AJ. Treatment outcomes in older depressed patients with earlier vs. late onset of first depressive episode: A STAR\*D Report. *Neuropsychopharmacology* Vol 31, Supp 1, 2006 (Abstract)

## 2007

49) **Kozel FA**: Neuroimaging: A Brief Overview. UTD Public Forum on Values in Medicine, Science, and Technology - Ethics and Brain Imaging, UT Dallas, Richardson, TX 9 Jan 2007.

50) Trevino K, McClintock SM, Lisanby SH, **Kozel A**, Nahas Z, McDonald W, Reardon J, Sampson S, Demitrack M, Husain MM. Efficacy and Safety of Transcranial Magnetic Stimulation (TMS) in Elderly Patients with Major Depressive Disorder, Poster Presentation, American Association for Geriatric Psychiatry, 20th Annual Meeting, New Orleans, LA, March 2007 (Abstract).

51) **Kozel FA**, Johnson KA, Nahas Z, Nakonezny PA, Morgan PA, Anderson BA, Kose S, Li X, Lim K, Trivedi M, George M. DTI Measures of Prefrontal Cortex White Matter Microstructure after Several Weeks of Daily Left High Frequency rTMS in Outpatients with Major Depression. *Biological Psychiatry* 2007; 61:177S. (Abstract)

52) **Kozel FA**, "Mechanism of Action for Transcranial Magnetic Stimulation" as part of Transcranial Magnetic Stimulation CME; American Psychiatric Association, May 2007, San Diego, Ca.

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53) **Kozel FA**, Johnson KA, Grenesko E, Laken SJ, Kose S, Lu X, Pollina D, Ryan A, and George MS. Detection of Deception Using fMRI After Committing A Mock Sabotage Crime. Human Brain Mapping. June 2007, Chicago, IL.

54) **Kozel FA**. Brain Stimulation in Psychiatry: Repetitive TMS Treatment of Depression. National Alliance on Mental Illness local chapter meeting, 5 July 2007; Dallas, TX.

55) **Kozel FA**. Bipolar Disorder: Assessment, Management, and a Novel Treatment Option. Charleton Methodist Family Practice Resident and Attending Group, Sept 2007; Charleton Methodist Hospital; Dallas, TX.

56) **Kozel FA**. Advances in Brain Stimulation for the Treatment of Mood Disorders. Depression Bipolar Support Alliance local chapter meeting, October 2007; Dallas, TX.

57) **Kozel FA**. Functional MRI Application: Detecting Deception. Guest Lecture at UT Arlington Neuroimaging Course, November 2007; Arlington, TX.

58) **Kozel FA**, Laken SJ, Johnson KA, Boren B, Mapes K, Morgan P, Patel K, Levine K, Fernald MP, and George MS. Replication of fMRI Detection of Deception at Two Independent Sites Using 3.0 Tesla and 1.5 Tesla MR Scanners. Annual Meeting American College of Neuropsychopharmacology, Dec 2007, Boca Raton, FL.

### 2008

59) **Kozel FA**. Late-Life versus Early-Life Onset Geriatric Depression. 18th Annual Geriatric Psychiatry Update. UT Southwestern Medical Center, Feb 2008, Dallas, TX.

60) Tian F, Dobbs R, Carmen AD, **Kozel FA**, Liu H. Can Functional Near-Infrared Spectroscopic (fNIRS) Imaging Detect Deception? 2008 Biomedical Optics Topical Meeting (BIOMED). March 2008, St. Petersburg, Florida, USA

61) Kose S, Johnson KA, Grenesko E, Arana A, Brogdon S, Laken SJ, George MS, **Kozel FA**. The Role of Personality on fMRI Assessment of Deception. Biological Psychiatry 2008; 63:143S. (Abstract)

62) Johnson KA, Kose S, Laken SJ, Brogdon S, George MS, **Kozel FA**. Fatigue and Motivation Effects on fMRI Assessment of Deception. Biological Psychiatry 2008;63:162S. (Abstract)

63) Nahas Z, Simpson KN, McDonald, Welch MJ, **Kozel FA**, Demitrack MA. Cost-effectiveness of transcranial magnetic stimulation (TMS) in the treatment of Major Depression: A Health Economic Analysis. US Psychiatry and Mental Health Congress October 30-Nov 1, 2008. (Abstract)

64) **Kozel FA**. Functional MRI Detection of Deception. Presentation at University of Arkansas MS, Nov 2008, Little Rock, AR.

## Curriculum Vitae

65) **Kozel FA**, Tian F, Dhamne S, Croarkin P, McClintock SM, Elliott A, Mapes KS, Husain MM, Liu H. Using functional Near Infrared Spectroscopy (fNIRS) to measure brain changes associated with repetitive Transcranial Magnetic Stimulation (rTMS) of the Motor and Prefrontal Cortices. Annual Meeting American College of Neuropsychopharmacology, Dec 2008, Scottsdale, AZ. (Abstract)

### 2009

66) Tian F, **Kozel FA**, McClintock S Dhamne S, Croarkin P, Mapes K, Husain M, Liu H. Bilateral responses of prefrontal and motor cortices to repetitive transcranial magnetic stimulation as measured by functional near infrared spectroscopy. Proceedings of SPIE Vol. 7161, 7161E-518 (2009). (Abstract)

67) **Kozel FA**. Repetitive Transcranial Magnetic Stimulation for the Treatment of Mood Disorders. Invited speaker for local meeting of Depression and Bipolar Support Alliance; Dallas, TX. 15 October 2009.

68) **Kozel FA**. Repetitive Transcranial Magnetic Stimulation in the Treatment of Mood Disorders. Invited speaker for UT Dallas BrainHealth lecture series; Dallas, TX. 9 November 2009.

69) Kruesi MJP, Johnson KA, Laken SJ, **Kozel FA**, Herbsman T, Morgan, Christie D. Roper v. Simmons: An fMRI perspective study. American Academy of Child & Adolescent Psychiatry (AACAP) 56th Annual Meeting. Honolulu, Hawai'i. October 2009.

70) **Kozel FA**, Huang W, Adinoff B, Laken SJ, Tian F, McClintock SM, Husain MM, Mapes KS, Gopinath K, Bobb D, Cullum M, Tamminga C, Trivedi M. Neural correlates of successful inhibition in late life depression. Annual Meeting American College of Neuropsychopharmacology, Dec 2009, Hollywood, FL. (Abstract)

### 2010

71) Fenghua Tian, Sameer Dhamne, George Alexandrakis, **F. Andrew Kozel**, Mauricio R. Delgado, and Hanli Liu "Spatiotemporal Analysis Developed for Functional Diffuse Optical Imaging and its Clinical Applications", in Biomedical Optics, OSA Technical Digest (CD) (Optical Society of America, 2010), paper BSuD75.

72) **Kozel FA**. Investigating repetitive transcranial magnetic stimulation (rTMS) with functional brain measures. #316, Annual Meeting of Society of Biological Psychiatry, May 2010. (Chair of Symposium)

73) **Kozel FA**. Using functional Near Infrared Spectroscopy (fNIRS) to measure brain changes associated with rTMS. #316, Annual Meeting of Society of Biological Psychiatry, May 2010. (Symposium Presenter)

## Curriculum Vitae

74) **Kozel FA**. Repetitive Transcranial Magnetic Stimulation (rTMS) for the Treatment of Mood Disorders. Department of Psychiatry and Behavioral Sciences. The University of Texas Health Science Center at Houston; 3 Jun 2010.

75) Croarkin PE, Hines-Melton T, Buyukdura J, Kennard BD, Emslie GJ, **Kozel FA**, Daskalakis ZJ. Cortical Excitability and Inhibition in Adolescents with Major Depressive Disorder. AACAP's 57th Annual Meeting; October 2010.

76) Kruesi, M; Morgan, P; Herbsman, T; Johnson, K; **Kozel, FA**; Laken, SJ; Christie DK. White Matter Differences Associated with Lying in Conduct Disorder. AACAP's 57th Annual Meeting; October 2010.

77) **Kozel FA**, Rao U, Lu H, Nakonezny P, Grannemann B, McGregor T, Croarkin P, Mapes K, Tamminga C, Trivedi M. Connectivity of brain structures correlates with treatment outcome in Major Depressive Disorder. 49<sup>th</sup> Annual Meeting American College of Neuropsychopharmacology, Dec 2010, Miami, FL. (Abstract)

### 2011

78) **Kozel FA**, Therapeutic Mechanisms of Brain Stimulation in Major Depressive Disorder Society of Biological Psychiatry's 66th Annual Scientific Convention and Program, May 14, 2011 (Symposium Co-Chair).

79) **Kozel FA**, The Effects of rTMS in the Prefrontal Cortex in Depression: A Potential Biomarker in MDD Society of Biological Psychiatry's 66th Annual Scientific Convention and Program, May 14, 2011 (Symposium Presenter).

80) **Kozel FA**, Liu P, Rao U, Mapes KS, Marsh PK, de Almeida JRC, Croarkin PE, Tamminga CA, Trivedi MH, Lu H. Can ASL Measures of Anterior Cingulate Cortex Perfusion Predict Treatment Outcome in Major Depressive Disorder? 50<sup>th</sup> Annual Meeting American College of Neuropsychopharmacology, Dec 2011, Hawaii. (Abstract)

### 2012

81) **Kozel, FA**. Functional MRI Detection of Deception. USF Psychiatry and Behavioral Neurosciences Grand Rounds. Tampa, FL. Jan 2012

82) **Kozel, FA**. Neural Substrates of Deception. Invited to talk at Florida Psychiatric Society Meeting. Orlando, FL. April 2012.

83) **Kozel, FA**. Clinical Applications of Transcranial Magnetic Stimulation (TMS) in Patients with Depression. USF Lunch & Learn at STC. Tampa, FL. Nov 2012.

84) **Kozel, FA**. Clinical Applications of Transcranial Magnetic Stimulation (TMS) in Patients with Depression. Depression and Bipolar Support Alliance. Tampa, FL. Nov 2012.

## Curriculum Vitae

85) Laken SJ, Lai A, Johnson FA, Morgan, PS, Levine K, Fernald M, Patel K, Chung-Haas K, Cahill J, **Kozel FA**. Stimuli Presentation Modification Improves Diagnostic Accuracy at the Individual Level for Functional MRI Detection of Deception. 51<sup>st</sup> Annual Meeting American College of Neuropsychopharmacology, Dec 2012, Hollywood, FL. (Abstract)

### 2013

86) Croarkin PE, Nakonezny P, Melton T, Lewis C, Emslie G, **Kozel FA**, Daskalakis ZJ. GABA B deficits and depression severity in children and adolescents. #909; Annual Meeting of Society of Biological Psychiatry, May 2013. 73; p 290S.

87) **Kozel FA**, Spence JS, Christina Bass C, Morgan CR, Jones P, Schraufnagel C, Turner M, Hart J. Factors impacting functional disability and PTSD symptoms in OEF/OIF/OND veterans with PTSD. 52<sup>nd</sup> Annual Meeting American College of Neuropsychopharmacology, Dec 2013, Hollywood, FL. (Abstract)

### 2014

88) **Kozel, FA**. Clinical & Research Applications of Transcranial Magnetic Stimulation (TMS). HSRD/RRD CIDRR8 Research Topics Seminar; James A. Haley Veterans' Hospital; 7 January 2014.

89) **Kozel FA**, Spence JS, Christina Bass C, Morgan CR, Jones P, Schraufnagel C, Turner M, Hart J. Factors impacting functional disability and PTSD symptoms in OEF/OIF/OND veterans with PTSD. James A. Haley VAH Research Day. 19 June 2014.

90) **Kozel, FA**. Clinical & Research Applications of Transcranial Magnetic Stimulation (TMS). Grand Rounds for MH&BS, James A. Haley VAH. Tampa, FL. 10 July 2014.

91) **Kozel FA** and Schoenberg M. Invited 30-minute Public Service Announcement on Suicide with Corey Dylan aired on multiple Clear Channel radio stations. September 2014.

92) **Kozel, FA**. Clinical Applications of Transcranial Magnetic Stimulation (TMS) in Patients with Depression. Bay Pines Mental Health Grand Rounds. Bay Pines, FL. 9 October 2014.

### 2015

93) **Kozel, FA**. Research Methods for Clinicians. James A. Haley Psychiatry Grand Rounds. Tampa, FL 10 September 2015.

94) **Kozel, FA**. Clinical and Neurobiological Changes Associated with Trauma. Title IX Conference. University of South Florida. 10 September 2015.

95) **Kozel, FA**. Transcranial Magnetic Stimulation (TMS). Brain Week. University of Central Florida. 5 October 2015.

## Curriculum Vitae

96) **Kozel, FA.** Posttraumatic Stress Disorder (PTSD). USF Honors College Students - Tampa Museum of Art's Connections Program. Tampa, FL. 16 October 2015.

### 2016

97) **Kozel, FA.** Functional fMRI Detection of Deception. James A. Haley Psychiatry Grand Rounds. Tampa, FL. 4 February 2016.

98) **Kozel FA,** Didehbani N, Motes MA, Jones P, Schraufnagel CD, DeLaRosa B, Bass C, Spence JS, Hart J. Augmenting Cognitive Processing Therapy with rTMS in Combat Veterans of Recent Conflicts with PTSD. Society of Biological Psychiatry's 71st Annual Scientific Convention and Program. Atlanta, GA. 13 May 2016 (accepted oral presentation).

99) **Kozel, FA.** Transcranial Magnetic Stimulation in the treatment of Posttraumatic Stress Disorder (PTSD). Invited Lecture for 4th Annual Clinical TMS Society Meeting. Atlanta, GA. 14 May 2016.

100) Hart, J., Jr., Kozel, F.A., Motes, M., Didehbani, N., Bass, C., Jones, P., Tillman, G., Spence, J., Cullum, M., & Kraut, M. (2016). Randomized Placebo Trial of rTMS + CPT vs. sham rTMS + CPT for Combat-Related PTSD. Presented at the 2016 Military Health System Research Symposium, Kissimmee, FL.

101) **Kozel, FA.** TMS in the treatment of PTSD. James A. Haley Psychiatry Grand Rounds. Tampa, FL. 3 November 2016.

102) Croarkin PE, Lewis C, Vande Voort J, Kohli J, **Kozel FA,** Frye MA, Port JD. Spectroscopic Glutamate Correlates of Trauma in Depressed Adolescents. Annual Meeting of the American College of Neuropsychopharmacology, Hollywood, Florida, December 6, 2016.

### 2017

103) **Kozel, FA.** Posttraumatic Stress Disorder (PTSD). USF Honors College Students - Tampa Museum of Art's Connections Program. Tampa, FL. 9 February 2017

104) **Kozel FA.** Depression: A Yale graduate's perspective on a major public health crisis. Yale Club of Tampa Bay. Tampa Yacht Club, Tampa, FL March 2017

105) **Kozel FA,** Van Trees KA, Larson V, Phillips S, Hashimie J, Gadbois B, Johnson S, Gallinati J, Dreschnack D, Barrett B, Toyinbo P, Weisman M, Centorino M, Gibson CA, Glenn Catalano. Targeting Disability from PTSD with Transcranial Magnetic Stimulation. Society of Biological Psychiatry's 72nd Annual Scientific Convention and Program. San Diego, CA. 20 May 2017 (poster)

106) **Kozel FA.** Are We Practicing Clinical Science or Scientology? Interpreting the Scientific Literature. Invited Lecture for 5th Annual Clinical TMS Society Meeting. San Diego, CA. 20 May 2017.



## Curriculum Vitae

107) **Kozel FA**, Van Trees KA, Larson V, Phillips S, Hashimie J, Gadbois B, Johnson S, Gallinati J, Dreschnack D, Barrett B, Toyinbo P, Weisman M, Centorino M, Gibson CA, Glenn Catalano. Targeting Disability from PTSD with Transcranial Magnetic Stimulation. JAMES RESEARCH DAY. 24 May 2017 (poster)

108) **Kozel FA**. TMS Clinic in the VA. Training for VA National Rollout of TMS. Charleston, SC. 18 July 2017 (invited lecture).

109) **Kozel FA**, Van Trees KA, Larson V, Phillips S, Hashimie J, Gadbois B, Johnson S, Gallinati J, Dreschnack D, Barrett B, Toyinbo P, Weisman M, Centorino M, Gibson CA, Glenn Catalano. Targeting Disability from PTSD with Transcranial Magnetic Stimulation. 2017 Military Health System Research Symposium (MHSRS). Kissimmee, FL. Aug 2017 (poster)

110) **Kozel FA**. TMS Clinic in the VA. Training for VA National Rollout of TMS. Charleston, SC. 29 Aug. 2017 (lecture by Skype).

111) **Kozel, FA**. Posttraumatic Stress Disorder (PTSD). USF Honors College Students - Tampa Museum of Art's Connections Program. Tampa, FL. 28 September 2017

### 2018

112) **Kozel, FA**. Training for Evidence-Based Practice Repetitive Clinical Transcranial Magnetic Stimulation (rTMS) Program. Presented multiple lectures and hands on training sessions as part of VA National TMS rollout Program. Palo Alto VA, Palo Alto, CA. 22-24 Jan 2018

113) **Kozel, FA**. Posttraumatic Stress Disorder (PTSD). USF Honors College Students - Tampa Museum of Art's Connections Program. Tampa, FL. 2 April 2018

114) **Kozel, FA**. TMS for PTSD. Grand Rounds. Geisel School of Medicine at Dartmouth. Hanover, NH. 24 Apr 2018

115) **Kozel, FA**. Are We Practicing Clinical Science or Scientology? Interpreting the Scientific Literature. White River Junction Veterans Administration Hospital. White River Junction, VT. 24 April 2018 (Invited Lecture)

116) **Kozel, FA**. ECT and TMS for PTSD. The International Society for ECT and Neurostimulation (ISEN) 2018 Annual Meeting. New York, NY. 6 May 2017 (Invited Plenary Lecture)

117) **Kozel, FA**. TMS and Brain Stimulation Workshop. The International Society for ECT and Neurostimulation (ISEN) 2018 Annual Meeting. New York, NY. 6 May 2017 (Invited to Chair Workshop)

## Curriculum Vitae

118) **Kozel, FA.** Top 4 Posters Flash Presentations. Clinical TMS Society 2018 Annual Meeting. 12 May 2018 (Chaired committee to select and moderated the presentations)

119) **Kozel, FA.** Update of rTMS for PTSD. Clinical TMS Society 2018 Annual Meeting. 12 May 2018

120) **Kozel, FA.** TMS for PTSD. Grand Rounds. MH&BS. James A. Haley Veterans' Administration. Tampa, FL. 6 September 2018

121) **Kozel, FA.** Posttraumatic Stress Disorder (PTSD). USF Honors College Students - Tampa Museum of Art's Connections Program. Tampa, FL. 25 October 2018

### 2019

122) **Kozel, FA.** Top 4 Posters Flash Presentations. Clinical TMS Society 2019 Annual Meeting. 22 February 2019 (Chaired committee to select and moderated the presentations)

123) **Kozel FA.** Safety Concerns, Patient Selection and Monitoring Response, & TMS Clinic in the VA. Training for VA National Rollout of TMS. Palo Alto VA. 6 Jun 2019 & 18 Jul 2019 (lecture by Skype).

124) **Kozel FA, McKenzie B, Ralston, K.** Multi-site Confirmatory Efficacy Treatment Trial of Combat-related PTSD. Whole Health – Women's Group & Men's Group. Tampa, FL. 6 Aug 2019

125) Hernandez MJ, Reljic T, Van Trees K, Phillips S, Hashimie J, Bajor L, Yehl J, McKenzie BC, Burke C, Kumar A, Sanchez DL, Catalano G, **Kozel FA.** Impact of Comorbid PTSD on outcome of repetitive Transcranial Magnetic Stimulation (rTMS) for Veterans with Depression. Annual Meeting of the American College of Neuropsychopharmacology, Orlando, Florida, 10 Dec 2019

### 2020

126) **Kozel, FA.** Novel Treatments: Sound Clinical Science or Scientology? Grand Rounds. MH&BS. James A. Haley Veterans' Administration. Tampa, FL. 6 February 2020

127) **Kozel, FA.** Top 6 Posters Presentations. Clinical TMS Society 2020 Annual Meeting. 15 May 2020 (Chaired committee to select and was scheduled to moderate the presentations) Meeting CANCELLED due to COVID-19 reschedule for virtual presentation 4 Aug 2020.

128) **Kozel, FA.** Dangerous assumptions and false conclusions: Utilizing Research to Inform Clinical Practice. Clinical TMS Society 2020 Annual Meeting. Plenary Session. 15 May 2020. Meeting CANCELLED due to COVID-19 – rescheduled for 2021.

## Curriculum Vitae

129) Centorino MB, Bajor LA, Gootam PK, Nakase-Richardson R, **Kozel FA**. The Relationship Between Transcranial Magnetic Stimulation, Sleep and Plasticity. Society of Biological Psychiatry's 75<sup>th</sup> Annual Scientific Convention and Program. Meeting CANCELLED due to COVID-19 but presented electronically.

130) **Kozel, FA**. With panelist Croarkin, P, Leuchter, A, Phillips AL. Pearls and Pitfalls for Launching into Clinical Research. Invited Lecture. Clinical TMS Society Grand Rounds. 6 October 2020.

131) Flynn, H. Invited panelists: Wittman C, Cassidy S, O'Farrell N, **Kozel FA**. PGY 2 Session on Suicide. 29 Oct 2020.

132) Philip NS, Madore MR, **Kozel FA**. Transcranial Magnetic Stimulation in US Military Veterans - A Naturalistic Study in the Veterans Health Administration. Annual Meeting of the American College of Neuropsychopharmacology, Virtual, 9 Dec 2019. *Neuropsychopharmacology*. 45 (SUPPL 1), 310-311.

133) Jiang S, Huang J, Yang H, Wagoner R, Currier G, **Kozel F**, Jiang H. Efficient Methodology for Genotyping CYP2D6 and CYP2C19 for Neuropsychopharmacology. Annual Meeting of the American College of Neuropsychopharmacology, Virtual, 9 Dec 2019. *Neuropsychopharmacology*. 45 (SUPPL 1), 224-225.

### 2021

134) **Kozel FA**, Johnson KA, Motes MA, Morris EE, Hart J. Multi-site confirmatory treatment trial of Transcranial Magnetic Stimulation (TMS) with Cognitive Processing Therapy (CPT) for combat-related PTSD. FSU Research Day. FSU College of Medicine Annual Research Fair. 5 Feb 2021.

135) Philip NS, Madore MR, **Kozel FA**. Transcranial Magnetic Stimulation in Veterans – Real World Efficacy and the Foundation for Mechanistic Insights. Virtual Biological Psychiatry Meeting. May 2021. *Biological Psychiatry* 89(9):S76

136) **Kozel, FA**. FSU Collaborative Collision Presentation. Zoom Meeting. 8 Apr 2021

137) **Kozel, FA**. Top 4 Posters Presentations. Clinical TMS Society 2021 Annual Meeting. (Chaired committee to select and moderated the presentations) Clinical TMS Society 2021 Annual Meeting. West Palm Beach, FL. 11 Jun 2021.

138) **Kozel, FA**. (Invited Plenary Talk) Dangerous assumptions and false conclusions: Utilizing Research to Inform Clinical Practice. Clinical TMS Society 2021 Annual Meeting. West Palm Beach, FL. 11 Jun 2021.

139) **Kozel, FA**. Training for Evidence-Based Practice Repetitive Clinical Transcranial Magnetic Stimulation (rTMS) Program. Presented multiple lectures and hands on training sessions as part of VA National TMS Dissemination Program. Palo Alto VA, Palo Alto, CA. 8-9 July 2021.

## Curriculum Vitae

140) **Kozel, FA.** Interviewed for Suicide Prevention Month. Sunrise Weekends newscast with Veronika Vernachio on WTXL - ABC 27. Tallahassee, FL. 11 Sep 2021.

141) **Kozel, FA.** Clinical Reasoning in Mental Health. FSU MS II. Tallahassee, FL. 23 Sep 2021.

142) Flynn, H. Invited panelists: Wittman C, Cassidy S, O'Farrell N, **Kozel FA.** PGY 2 Session on Suicide. Zoom. 30 Sep 2021.

143) **Kozel, FA.** Neuromodulation – Choose your Own Neuroscience Session. FSU MS II. Tallahassee, FL. 7 Oct 2021.

144) Riccardi C, McGooden C, **Kozel FA.** Invited Panelist. 'The Impact of COVID-19 on Behavioral Healthcare Panel' Florida State University College of Medicine. Tallahassee, FL. Nov 2021

145) **Kozel FA** and Senda M. Neuromodulation for Veterans with PTSD & Depression. Tallahassee Community College. 1 Dec 2021.

146) \***Kozel FA,** \*Madore MR, Williams LM, Green LC, George MS, Holtzheimer PE, Yesavage JA, Philip NS. Prefrontal Transcranial Magnetic Stimulation for Depression in US Military Veterans – A Naturalistic Cohort Study in the Veterans Health Administration. International Brain Stimulation Conference. Charleston, SC. Dec 2021.

\*Co-first authors

### 2022

147) Senda M, Taylor I, **Kozel FA,** Johnson KA. Accelerated Neuromodulation for Dysphoria. FSU Research Day. FSU College of Medicine Annual Research Fair. 11 Feb 2022.

148) Ramanathan D, Madore M, **Kozel FA,** Philip N. Does Traumatic Brain Injury Attenuate Response to Therapeutic Transcranial Magnetic Stimulation? An Opportunity for Further Inquiry. Poster for Society of Biological Psychiatry Annual Meeting. New Orleans, LA. April 2022.

149) Robinson C and **Kozel FA.** FSUN QI Survey: Community Perception of Neuromodulation. Springfield. Community Center. Tallahassee, FL. April 2022.

150) Zuschlag ZD; Laura Bajor L; Van Trees K; Phillips S; Sullivan G; Burke C; **Kozel FA.** An Accelerated Course of TMS Using Intermittent Theta Burst in Veterans with Major Depressive Disorder. Clinical TMS Society Annual Meeting. P371. Chicago, IL. May 2022.

151) **Kozel FA.** TMS for PTSD: How the Data keeps Challenging what we “Know.” Invite Talk. Clinical TMS Society Annual Meeting. Chicago, IL. May 2022.

## Curriculum Vitae

152) Saini N and **Kozel FA**. FSUN QI Survey: Community Perception of Neuromodulation. “An Alternative to Pharmacotherapy for Addressing Mental Health” Collaboration with the community engagement core. Zoom meeting. May 2022.

153) Kozel FA. Clinical TMS. VA Montana Healthcare System Grand Rounds (Teams Videoconference) Jun 2022. (Invited Lecture)

154) Rehman, S. S., Zuchslag, Z. D., Norred, M., Walker, N. C., Philip, N. S., **Kozel, F. A.**, & Madore, M. R. Effectiveness of rTMS for Sleep Problems in Veterans with Major Depression. Poster to be presented at the Annual Convention of the American Psychological Association, Minneapolis, MN. August 2022.

\* Blue-Ribbon Award from the Society of Clinical Neuropsychology

155) Walker, NC., **Kozel, F.A.**, Philip, N., & Madore, M.R. *Efficacy of Transcranial Magnetic Stimulation on Older Adults for Treatment of Depression and PTSD*. Poster presented at the Annual Convention of the American Psychological Association, Minneapolis, MN. August 2022.

156) Venkatachalam HH, Miles SR, Sayer NA, Belanger H, **Kozel FA**, Toyinbo PA, McCart JA, Luther SL, Ramaiah P, McKenzie B, Benchekroun FE. Who’s Being Overlooked?: Implementing Dillman's Tailored Design Method in the VHA systems (confirmed). Poster presented at: American Public Health Association Meeting & Expo 2022; November 6, 2022; Boston MA.

157) **Kozel FA**, Senda MC, Taylor IM, Jensen MM, Johnson KJ. Treating Transdiagnostic Dysphoria Using a Sequence of Virtual Reality and Two Accelerated Transcranial Magnetic Stimulation Protocols. Annual Meeting of the American College of Neuropsychopharmacology. Phoenix, AZ. 5 Dec 2022.

158) Philip NS, Senda MC, Berlow YB, **Kozel FA**, Gee S, and Madore M. Does Protocol Matter for PTSD? A Multisite Analysis of Veterans Receiving Therapeutic Transcranial Magnetic Stimulation. Annual Meeting of the American College of Neuropsychopharmacology. Phoenix, AZ. Dec 2022.

### 2023

159) Rehman, S. S., Zuschlag, Z. D., Norred, M., Chin, L., Walker, N. C., Philip, N. S., **Kozel, F. A.**, & Madore, M. R. Sleep Onset Latency and Duration in rTMS Treatment in Veterans with Treatment-Resistant Major Depressive Disorder. Poster to be presented at the Annual Convention of the International Neuropsychological Society, San Diego, CA. February 2023.

160) Venkatachalam HH, Miles SR, Sayer NA, Belanger H, **Kozel FA**, Toyinbo PA, McCart JA, Luther SL. Comparing Specialty Service Utilization Associated with Veterans Health Administration’s Traumatic Brain Injury and Mental Health Screening

## Curriculum Vitae

Programs (confirmed). Poster presented at: HSR&D/QUERI 2023 National Conference; February 2023; Washington, DC.

161) Gamboa BN, Hodges K, Gee SC, Madore MR, Philip NS, **Kozel FA**, Walker NC. BSI-18 as a Measure of Psychological Distress Across Different Domains in TMS Patients. Poster to be presented at the Annual Convention of the International Neuropsychological Society, San Diego, CA. February 2023.

162) Forman SD, Gee SC, Madore M, **Kozel FA**. Clinical TMS in Veterans Decreases Measures that Predict Suicide Risk: Across VHA Update. International Conference on Biomedical Sciences, Lisbon, Portugal. February 2023.

163) Senda MC, Taylor IM, Jensen MM, Johnson KJ, **Kozel FA**. Treating Transdiagnostic Dysphoria Using a Sequence of Virtual Reality and Two Accelerated Transcranial Magnetic Stimulation Protocols. FSU College of Medicine Annual Research Fair, Tallahassee, FL. February 2023.

164) Saini N, Senda MC, Taylor IM, Johnson KJ, Jensen MM, **Kozel FA**. Community Perception of Neuromodulation. FSU College of Medicine Annual Research Fair, Tallahassee, FL. February 2023.

165) Berlow Y, Brennan M, Senda M, **Kozel FA**, Gee S, Madore MM, Philip N. Early Symptom Improvement as a Predictor of TMS Treatment Outcomes in Posttraumatic Stress Disorder. Society of Biological Psychiatry's 2023 Annual Meeting, San Diego, CA. April 2023

166) Senda, MC; Johnson, KA; Taylor, IM; Jensen, MM; **Kozel, FA**. Sequenced Pilot Trial using Virtual Reality followed by two different Accelerated TMS Protocols for Treating Dysphoria. Clinical TMS Society Annual Meeting, Colorado Springs, CO. May 2023.

167) Johnson, KA; Senda, MC; Taylor, IM; Jensen, MM; **Kozel, FA**. Minimal Impact of VR, Accelerated dlPFC TMS and Accelerated mPFC on Pain Interference. Clinical TMS Society Annual Meeting, Colorado Springs, CO. May 2023.

168) Zuschlag ZD; Michael Norred MN; Madore M; Rehman S; Philip N; **Kozel FA**. Sleep Dysfunction as a Predictor of Improvement in Depressive Symptoms with TMS Treatment. Clinical TMS Society Annual Meeting, Colorado Springs, CO. May 2023.

**\*Awarded Top 4 Abstract** – to be given as a brief oral presentation

169) **Kozel FA**. Clinical TMS. Invited Teams Lecture Tallahassee VA CBOC. May 2023.

170) Senda, MC; Johnson, KA; Taylor, IM; Jensen, MM; **Kozel, FA**. Accelerating Relief from Dysphoria (Depression, Anxiety, PTSD, and/or Chronic Pain) Using a Stepwise

## Curriculum Vitae

Progression of Virtual Reality and Brain Stimulation. Military Health System Research Symposium. Kissimmee, Florida. August 2023.

171) Spitz, AM, Senda MC, Taylor IM, Jensen MM, Johnson KA, **Kozel, FA**. The Relationship of Anxious Arousal in the Treatment of Dysphoria using VR Mindfulness and Accelerated-TMS. Poster presented at: Medical Student Summer Research Poster Session; Tallahassee, FL. 26 Oct 2023.

172) **Kozel, FA**. Personalization of Neuromodulation Treatments for Neuropsychiatric Disorders. UF CTSI Precision Health Forum. (virtual presentation) 7 November 2023.

173) Walker NC, Ramirez N, Chin L, Rehman SS, Gee SC, Hodges K, Williams LM, Hickson R, Green LC, Patton T, Aldasouqi H, Philip NS, **Kozel FA**, Yesavage JA, Madore MR. 71 Treatment with TMS Improves Aspects of Attention in Depression: A Pilot Study. Journal of the International Neuropsychological Society, Volume 29, Supplement s1: Final Program Fifty First Annual Meeting International Neuropsychological Society February 1–4, 2023 San Diego, CA, USA, November 2023, pp. 476 – 477. DOI: <https://doi.org/10.1017/S1355617723006203>

174) **Kozel, FA**; Johnson, KA; Senda, MC; Taylor, IM; Jensen, MM. Accelerating Relief from Dysphoria (Depression, Anxiety, PTSD, and/or Chronic Pain) Using a Stepwise Progression of Virtual Reality and Brain Stimulation. 62<sup>nd</sup> Annual Meeting of the American College of Neuropsychopharmacology. Tampa, FL. 4 December 2023

175) **Kozel, FA**. Clinical TMS. Intrepid Spirit Center for Invisible Wounds, Eglin AFB, FL. 13 December 2023 (Invited Lecture)

### 2024

176) **Kozel FA**. Transcranial Magnetic Stimulation (TMS) to treat Posttraumatic Disorder (PTSD). VA Somatic Treatment Community of Practice. (virtual presentation) 10 January 2024 (Invited Lecture)

## Letters to the Editor

### 2002

1) Risch SC, Baker S, **Kozel FA**: A Case of Risperidone- Ziprasidone-Associated Neuroleptic Malignant Syndrome Successfully Treated with Quetiapine. The Journal of Psychotic Disorders: Reviews & Commentaries 2002, 6:18.

2) Hernandez MJ, Reljic T, Van Trees K, Phillips S, Hashimie J, Bajor L, Yehl J, McKenzie BC, Burke C, Kumar A, Sanchez DL, Catalano G, **Kozel FA**. Veterans with comorbid depression and PTSD can be effectively treated with TMS. J Clin Psychiatry. 2021;82(3):20|13751a. Response Letter to Editor.

# Curriculum Vitae

## Other

### 2000

1) **Kozel FA** and Schuyler D: When Brief Therapy Worked and Medication Did Not. *Primary Care Companion to the Journal of Clinical Psychiatry* 2000; 5: 181-182.

### 2003

2) Nahas Z, **Kozel FA**, Mu Q, Anderson B, Walker A, George MS: Vagus Nerve Stimulation (VNS) for Treatment-Resistant Depression. *Psychiatric Times/CME*. 2003

3) **Kozel A**. A case example. In Cognitive Therapy: A Practical Guide, Dean Schuyler (Ed.) New York: W.W Norton & Company, 2003.

### 2007

4) Johnson KA, **Kozel FA**, Laken SJ, George MS (2007): The neuroscience of functional magnetic resonance imaging fMRI for deception detection. *Am J Bioeth* 7:58-60. (Open Peer Commentary)

### 2010

5) **Kozel F Andrew**. Using Neuroimaging to Investigate the Neurobiology of Treatment in Mood Disorders. *Psychiatric Times*, April 2010; Vol. XXVII, No. 4.

### 2019

6) **Kozel F Andrew**. Invited Book Review – Transcranial Magnetic Stimulation: Clinical Applications for Psychiatric Practice. *Journal of Psychiatric Practice*. March 2019.

### 2023

7) **Kozel, F. Andrew**. Invited Peer-Review of Transcranial Magnetic Stimulation for Treatment of Selected Behavioral Disorders prepared by RTI–University of North Carolina Evidence-based Practice Center through a contract between RTI International and the State of Washington Health Care Authority (HCA). January 2023.



# Curriculum Vitae

## Grant Funding/Support

### Current Research Support

09/30/2023 - 09/29/2026 CDMRP Award Number: HT9425-23-1-1006 (PI Kozel)  
DOD/CDMRP \$1,442,729  
Role: PI (1.8 calendar months)  
“Personalized Dosing of Noninvasive Brain Stimulation Using fNIRS-TMS Technology”

The objective is to develop transcranial magnetic stimulation (TMS) integrated with functional near infrared spectroscopy (TMS-fNIRS) for a more personalized and effective treatment of PTSD. In addition, we will assess the impact of history of mTBI on cortical stimulation using TMS in participants with PTSD. Log Number: TP220192

5/1/2022 – 4/30/2024 1 R21 MH129653-01 (PI Nee, Hajcak)  
NIH/NIMH \$186,400  
Role: Coinvestigator (0.2 calendar months)  
“Manipulating the Reward Circuit with TMS”

The purpose of this study is to examine the effects of a novel TMS intervention on anhedonia and reward processing.

2020-2025 1 I01 CX002088-01 (PI Paul Holtzheimer; Tampa Site PI then consultant Oct 2020 – Present)

CSR&D

“Assessing an electroencephalography (EEG) biomarker of response to transcranial magnetic stimulation for major depression”

Role: Site PI and Organizing member then consultant

We propose a study to address critical gaps in knowledge related to predictors of response to TMS, a novel, neural circuit-based intervention with demonstrated efficacy for treatment-resistant depression. If successful, our findings will help optimize the delivery of TMS for the treatment of depression by predicting which patients are more or less likely to respond. Since TMS likely works via modulation of activity within a neural circuit involved in depression, this study will assess neural circuit-based biomarkers derived from resting EEG.

2021-2026 Veterans Health Administration, HSR&D Career Development Award (IK2) Project No: CDA 18-189; Project Ref: HX002899-01A2 (PI-Panaite) VA

“An eHealth intervention to increase depression treatment initiation and adherence among veterans referred for mental health services”

Role: Consultant

This Career Development Award is designed to support Dr. Panaite’s progression towards research independence. The research proposed will be the first to use traditional and machine learning methodologies to evaluate risk profiles associated with early termination of mental health treatment in Veterans with depression. This information will be used to develop and prospectively evaluate the feasibility of a support system designed to help depressed Veterans stay engaged with recommended mental health care.

# Curriculum Vitae

08/2018-07/2024 BA160594 (PI Hart; Tampa Site PI then Tallahassee Site PI- Kozel)  
Department of Defense

“Multi-site confirmatory efficacy treatment trial of combat-related PTSD”

Role: Site PI, TMS consultant, Psychiatry consultant 20% (No salary support per VA rules)

Study to test replication of prior results of effectiveness of rTMS plus Cognitive Processing Therapy (CPT) versus sham rTMS plus CPT. This will be a three-site study that will include three groups: rTMS just prior to CPT; sham just prior to CPT, and just weekly rTMS that will receive rTMS treatments once a week for a similar duration as a typical CPT course.

10/2019-09/2024 1 R01 MH120126-01 (PI Leanne Williams)

NIMH

“Mechanistic circuit markers of transcranial magnetic stimulation outcomes in pharmaco-resistant depression”

Role: Consultant

This study will assess fMRI biomarkers (task and resting state) for response to transcranial magnetic stimulation for depression in Veterans.

## Completed/Past Research Support

05/2019-04/2022 IHX002395A (PI – Miles)

VA HSR&D

“Health Outcomes Associated with TBI Screening”

Role: Co-Investigator; 0.6 calendar months or 5% Effort (No salary support per VA rules)

Study will be the first to prospectively evaluate health outcomes and service utilization associated with the Veterans Health Administration’s (VHA) traumatic brain injury (TBI) post-deployment screening. Results will inform clinical strategies and operations policy to improve quality, coordination, and efficiency of screening, evaluation, and treatment processes and healthcare outcomes for Veterans returning from deployment.

04/2015 – 03/2017 (PI - Kozel)

VA Office of Research and Development at James A. Haley

“Targeting Disability from PTSD with Transcranial Magnetic Stimulation”

Role: Principal Investigator 30% (No salary support per VA rules)

This study tested whether right prefrontal cortex 1 Hz repetitive Transcranial Magnetic Stimulation (rTMS) versus right prefrontal cortex 10 Hz rTMS provides a significantly greater improvement in function as measured by Inventory of Psychosocial

## Curriculum Vitae

Functioning (IPF) score and Posttraumatic Stress Disorder (PTSD) symptoms as measured with Clinician Administered PTSD Scale for DSM-5 (CAPS).

10/14/2014 – 9/30/2016      RX 14-009, (PI - Chapman)  
VA Office of Research and Development – RRD SPiRE  
“Pretreatment Physiological Reactivity and Treatment  
Outcome”

Role: Co-investigator 10% (No salary support per VA rules)

Primary objective is to determine whether physiological nonreactors benefit from PE therapy to the same extent as Veteran reactors.

02/2011 – 04/2014      DM090122, (PI - Hart)  
Department of Defense  
"Novel Treatment of Emotional Dysfunction in PTSD"

Role: Co-investigator 10% (No Salary Support after Apr 2014)

This study will examine whether real versus sham rTMS given just prior to Cognitive Processing Therapy will improve the outcome of treatment in combat veterans with PTSD. Recruitment has completed and manuscripts published.

09/30/10 – 06/30/14      1 U01MH092221-01, (PI - Trivedi)  
NIMH  
“Establishing Moderators and Biosignatures of Antidepressant  
Response for Clinical Care (EMBARC)”

Role: Co-investigator (No Salary support after July 2011) – continuing data analysis

07/2005 – 06/2009      K23 NIMH 5 K23 MH070897-02, (PI - Kozel)  
(no cost ext. 06/2010) Neuropsychiatry of Geriatric depression,  
Total Direct Costs (4 years): \$674,488

Role: PI/Candidate

07/2008 – 06/2009      5 UL1 RR024982-02 (PI - Packer)  
NIH/NCRR  
Using neuroimaging to investigate neurobiological correlates of  
treatment resistance associated with co-morbid anxiety in Major  
Depressive Disorder  
Direct Costs: \$25,000

Role: Pilot Award Recipient PI

## Curriculum Vitae

- 09/2004 – 08/2007 W74V8H-04-1-0010 (PI - Kozel)  
Department of Defense Polygraph Institute  
Using BOLD fMRI to Detect Deception and Better Understand the  
Polygraph: Current Knowledge and a Focused, Applied Research  
Agenda  
Total Costs: \$600,384  
Role: PI/local PI
- 01/2004 – 11/2006 Cephos Corporation (PI - Kozel)  
Functional MRI study of Detecting Deception  
Total Costs: \$190,564  
Role: PI
- 08/2006 – 04/2008 98-RC-301-12 (PI - Rush)  
Stanley Medical Research Institute Center  
rTMS to treat depressed phase of Bipolar Disorder Type II  
Role: Project PI All Centers funded by Stanley were abruptly discontinued 2007
- 07/2002 - 06/2005 VA Special Fellowship in Psychiatric Research/Neurosciences  
(PI - Kozel)  
Role: PI/Fellow
- 01/2005 - 06/2005 NIMH - Optimization of TMS for Depression, (PI - George)  
Role: Coinvestigator 1R01MH069896-01A1
- 07/2001 – 01/2005 Vagal Nerve Stimulation D-01/D-02/D-04/AN-01 (PI - George)  
These studies involve the investigation of VNS for treatment of  
depression (D-01 open trial, D-02 double blind trial, D-04 non-  
VNS comparator group) and anxiety (AN-01 open trial).  
Role: Coinvestigator
- 07/2003 – 01/2004 Deep Brain Stimulation and Functional MRI (PI - George)  
Investigating the safety of using fMRI to investigate the  
neurocircuitry of DBS implanted in patients with movement  
disorders.  
Role: Coinvestigator
- 07/2001 - 08/2003 Clinical Research Curriculum Award (K-30) (PI – Key)  
Program Director – L. Lyndon Key, M.D.

# Curriculum Vitae

Provides funding for enrollment in the Master of Science in Clinical Research Program, special seminar series for clinical researchers, salary support for mentors, and guidance in preparing an extramural grant application.

Role: Student

07/2002 – 06/2003 Interleaved TMS/fMRI investigation of lamotrigine effects on neural activity (PI - George)

Role: Coinvestigator

2000-2001 Resident Research Award from the Medical University of South Carolina (PI - Kozel)  
Regional Brain Correlates of Deception: A Proof of Concept Functional Magnetic Resonance Imaging Study in Healthy Young Men

Study used BOLD fMRI to investigate brain changes during deception. In addition, simultaneous electrodermal activity was acquired. The electrodermal activity was correlated with brain changes.

Role: PI

## Patents and Invention Disclosures

System and Method of Detecting Deception by fMRI. Lead inventor. Invention Disclosure filed 12/20/01. Issued 03/01/2011. Patent # 7899524.

System and Method of Inhibiting the Ability to Deceive Using Functional Magnetic Resonance Imaging- guided TMS. Invention Disclosure filed 12/02/01. US no 10/868,045, international # PCT/US2005/020910.

### Provisional Patents

63/389,424 Classical Conditioning of Neuromodulation with Synchronized Musical Stimulation. Filed July 2022  
Filed July 2023 for patent

63/389,422 fNIRS for Dosing Transcranial Magnetic Brain Stimulation. Filed July 2022  
Filed July 2023 for patent

## Recent Courses and Lectures

See above Abstracts and Presentations for complete list

# Curriculum Vitae

Flynn, H. Invited panelists: Wittman C, Cassidy S, O'Farrell N, **Kozel FA**. PGY 2 Session on Suicide. 29 Oct 2020, 30 Sep 2021

**Kozel, FA**. Training for Evidence-Based Practice Repetitive Clinical Transcranial Magnetic Stimulation (rTMS) Program. Presented multiple lectures and hands on training sessions as part of VA National TMS Dissemination Program. Palo Alto VA, Palo Alto, CA. 8-9 July 2021, 6-8 June 2022, 29-31 Jan 2024.

**Kozel, FA**. Clinical Reasoning in Mental Health. FSU MS II. Tallahassee, FL. 23 Sep 2021, October 2023.

**Kozel, FA**. Neuromodulation – Choose your Own Neuroscience Session. FSU MS II. Tallahassee, FL. 7 Oct 2021.

**Kozel, FA** and Senda M. Neuromodulation for Veterans with PTSD & Depression. Tallahassee Community College. 1 Dec 2021.

MEL 8626 Neurostimulation in Psychiatry Elective – Elective for USF and Visiting Medical Students to learn about Transcranial Magnetic Stimulation: Aug 2014 to September 2020.

MDE 8811 Integration of Brain Networks - Basic Science Course for USF MS-IV to provide a conceptual framework to think about brain disease based on dysfunction at the level of the brain circuit and treatment with neurostimulation techniques: 15-26 Feb 2016; 20 Feb-3 Mar 2017; 19-30 Mar 2018; 15-26 Apr 2019; 20-31 Jan 2020

MEL 8109 Outpatient Psychiatry Elective – Clinical course for USF and visiting medical students with didactics and practical on training in outpatient psychiatric care.: Nov 2011 to Dec 2012

Transcranial Magnetic Stimulation (TMS) – Didactic Lecture for USF Psychiatry PGY2 residents – 4 May 2017

Posttraumatic Stress Disorder (PTSD). USF Honors College Students - Tampa Museum of Art's Connections Program. Tampa, FL. 16 Oct 2015, 9 Feb 2017, 28 Sep 2017, 25 Oct 2018

## Mentoring/Supervision

Letty J. Revell – Medical University of South Carolina; Summer 2000; Summer Medical Student worked in fMRI research – Pursued Dermatology

Tamara Padgett – Medical University of South Carolina; Summer 2002; Stanley Summer Medical Student worked in fMRI research – Pursued Psychiatry

## Curriculum Vitae

Baron Short – Medical University of South Carolina; 2003 - 2007; supervision as Resident & Junior Faculty in Psychiatry and Medicine – Faculty, MUSC

Kevin Johnson – Medical University of South Carolina; 2004 - Oct 2009; supervised during Neuroscience Graduate Studies and sat on Ph.D. committee – Post-doc at Stanford - then Industry Research, now at Florida State University as Research Faculty.

David Atkinson – UT Southwestern Medical Center; 2006 - 2007; supervised during 3<sup>rd</sup> year psychiatry resident on research track – supervised in fMRI data analysis project of working memory task before and after treatment with rTMS – pursued research tract of child fellowship at University of Alabama Birmingham.

Bryant Boren – UT Southwestern Medical Center; Summer 2007; supervised for UT Southwestern Medical Student Research Program; Analyzed the fMRI data for consistency of activation in motor task for an fMRI experiment – Radiology Residency at UTSW.

Mary (Molly) Camp - UT Southwestern Medical Center; July 2009 - August 2010; Cognitive Behavioral Therapy supervisor.

Sameer Dhamne – UT Arlington, Department of Bioengineering; Nov 2009; Committee member for Masters Defense. “Diffuse optical imaging of brain function under repetitive Transcranial Magnetic Stimulation and in children with cerebral palsy.”

Amanda Reahard - UT Southwestern Medical Center; July 2009 - June 2010; Cognitive Behavioral Therapy supervisor.

Venkatagir (Giri) Krishnamurthy – UT Arlington, Department of Bioengineering; April 2010 – May 2011; Committee member for Ph.D. defense.

Afshan Khan - UT Southwestern Medical Center; August 2010 - June 2011; Cognitive Behavioral Therapy supervisor.

David Bobb – UT Southwestern Medical Center; 2008 - June 2011; supervise psychiatry resident on research tract, fMRI data analysis project of inhibition paradigm in geriatric depression – currently PGY 4. Dr. Bobb was awarded the prestigious Rappaport Fellowship in Forensic Psychiatry in 2010. He was also co-winner of the research award for graduating UTSW psychiatry residents 2011.

Michael Centorino – University of South Florida - Cognitive Behavioral Therapy supervisor - Aug 2011 - June 2012. Faculty mentor 2018-present. Promoted to Associate Professor University of South Florida Spring 2020.

Cory Klippel, M.D. - University of South Florida - Cognitive Behavioral Therapy supervisor - July 2012-June 2013.

## Curriculum Vitae

Scott Nelson, M.D. - University of South Florida – Resident enrichment supervision - Aug 2014 - present. December 2015. Manuscript published Nelson et al. 2016.

Jennifer Yehl, M.D. - University of South Florida – Resident enrichment supervision - July 2015 - June 2016. Manuscript published Yehl et al. 2018

Eric Quintero, M.D. - University of South Florida – Resident enrichment supervision - July 2016 - June 2017.

Michael Hernandez PGY4 - University of South Florida Medical Student – Research supervision - Oct 2016 - May 2017; then mentoring until 2020. Worked on building a database of clinical care as a research project with resulting published manuscripts, Kozel et al. 2017. Hernandez et al. 2020.

Jessica Berumen – USF College of Public Health - DrPH doctoral committee – June 2019 – September 2020; student took different direction.

Shixie (Max) Jiang - University of South Florida – Resident research advising June 2018 – June 2019; Resident enrichment supervision – June 2019 to June 2022. Mentorship July 2022 to present.

Awards including Gold Humanism Honor Society, Alpha Omega Alpha Medical Honor Society, Academy of Consultation-Liaison Psychiatry's William Webb Fellowship, USF PGY-2 Teacher of the Year, and \$10,000 Departmental competitive research grant for residents. APA Research Colloquium for Junior Investigators 2021 awardee. Laughlin Fellowship Program awardee 2022 – American College of Psychiatrists. Currently Stanford C/L Fellowship. 2023 ASCP Annual Meeting New Investigator Award (NIA) recipient. Recipient of 2023 William and Judith Borten Junior Investigator Award for the American Delirium Society. June 2018 to present.

Vanessa Panaite – Consultant on post-doctoral projects and on HSR&D 5-year CDA grant that is funded 2021; October 2016 to present.

Zachary D. Zuschlag – supervised his transition to take over as site PI for VA study at Tampa VAH and expanding his research focus to include neuromodulation. His abstract was recently honored as a top four submitted to be presented orally at the Clinical TMS Society's Annual meeting in 2023. Sept 2020 to present.

Neha Saini – Supervise for Neuromodulation Outreach Project. FSU Medical School Class 2024 - Oct 2021 to present.

Christen Robinson – Internship Supervisor project on Community Outreach of Neuromodulation - Masters of Public Health Candidate - Florida A&M University College of Pharmacy and Pharmaceutical Sciences Institute of Public Health. Successfully completed her MPH. Spring 2022 semester.



# Curriculum Vitae

Danielle Morabito – Doctoral Supervisory Committee – Department of Psychology  
Florida State University. November 2022 to present.

Austin Mark Spitz – Supervise for clinic research. FSU Medical Class of 2026. Selected  
for the Medical Student Summer Research Fellowship Program for the 2023 summer  
semester. January 2023 to present.

Setor “Kofi” Sorkpor, PhD., MPH, MSN, RN; Assistant Professor; Florida State  
University College of Nursing. Mentoring on project. May 2023 to present.

Carter Bedford – Doctoral Supervisory Committee – Department of Psychology Florida  
State University. July 2023 to present.

Dayna Richter – Doctoral Supervisory Committee – Department of Chemical and  
Biomedical Engineering - FAMU-FSU College of Engineering. June 2023 to present.

Nekita Nesmith – Research supervision along with Dr. Kevin Johnson. FSU Bridge  
Program. August 2023 to present.

UCF-HCA Psychiatry Residency program supervision of residents for research training at  
the FSU Neuromodulation Lab, Florida State University. August 2023 - present  
Aneesh Rahangdale, M.D.

Alexandria Meyer - Doctoral Supervisory Committee - Graduate Student, Cognitive  
Psychology - McKnight Doctoral Fellow. September 2023 to present.

Natalie Bardin – Undergraduate FSU in Honors Program- Committee for honors project.  
October 2023 to present.

Kirthin Dev – University of Georgia Summer Student, Summer 2023

## Medical Student General Advising

Holly Ngoc Vu            June 2023 to present

Tomas Vivas             June 2023 to present

## Interests

Kayaking, travel, SCUBA diving, and reading  
Hold a single engine land private pilot license (non-current)