

# CURRICULUM VITAE

Dane A. Higgins, Ph.D.

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Clinical Neuropsychologist – Comprehensive Neuropsychological Services (CNS) • Investigator – Dedicated Clinical Research

## ***EDUCATION***

Degree: **Doctor of Philosophy, May 2002**  
University: Virginia Polytechnic Institute and State University  
Blacksburg, Virginia (APA-Accredited Program)  
Major: Psychology (Clinical Adult Specialization)  
Emphasis: Neuropsychological research, assessment, and treatment  
Major Advisor: David W. Harrison, Ph.D.  
Dissertation: “A Neuropsychological Investigation of Sex Differences in Cardiovascular Reactivity to Verbal and Spatial Fluency Tasks: Testing a New Model of Sex Differences in Cardiovascular Regulation and Disease”

Degree: **Master of Science, December 1999**  
University: Virginia Polytechnic Institute and State University  
Major: Psychology (Clinical Adult Specialization)  
Emphasis: Neuropsychological research, assessment, and treatment  
Major Advisor: David W. Harrison, Ph.D.  
Master’s Thesis: “Cardiovascular Reactivity to Speech Processing and Cold Pressor Stress: Evidence for Sex Differences in Dynamic Functional Cerebral Laterality”

Degree: **Bachelor of Science, May 1994**  
University: Arizona State University, Tempe, Arizona  
Major: Psychology (cum laude)  
Honors: Arizona State University Honors College Graduate  
Major Advisor: George P. Knight, Ph.D.  
Honors Thesis: “Changing Gender Differences in Aggression?: Clarification Through Meta-Analysis”  
Awards: Regent’s Scholarship Recipient: 1993-1994  
Dean’s Honor List: Spring 1994, Fall 1993, Spring 1993

## ***CURRENT EMPLOYMENT***

### **NEUROPSYCHOLOGIST, LICENSED CLINICAL PSYCHOLOGIST - Arizona License Number 3656**

12/08-present: **Comprehensive Neuropsychological Services (CNS)**  
Chief Clinical Neuropsychologist and Director of Clinical Services  
Division Chairman of Neuropsychology, Integrated Medical Services  
  
10815 W. McDowell Road, Suite 303, Avondale, Arizona 85392  
Phone (623) 977-6860  
Fax (623) 977-2016  
website: www.neuro-psych.biz

10/04-present **Dedicated Clinical Research (DCR)**  
Investigator, Clinical Neuropsychologist  
Goodyear, Arizona  
Phone (623) 583-2599

Offering Neuropsychological Assessment with Differential Diagnosis of: Memory Loss – Mild Cognitive Impairment (MCI) – Alzheimer’s Disease – Dementia (e.g., Vascular, Lewy Body) – Postconcussion Syndrome – Traumatic Brain Injury (TBI) – Transient Ischemic Attack (TIA) – Stroke & Recovery – Competency Evaluations – Return to Work Issues (i.e., Disability Evaluations) – Neurodegenerative Diseases (e.g., ALS, Multiple Sclerosis, Parkinson’s) – Attention Deficit Disorder (ADD, AD/HD) – Intelligence (IQ) Testing & Learning Disorders – Cognitive Evaluations of Surgical Candidates (e.g., gastric bypass) – Pathogenesis of Problems (e.g., depression vs. dementia) - Forensics

### ***PAST EMPLOYMENT***

10/04-12/08 Chief Clinical Neuropsychologist, Arizona Neurological Institute (ANI)  
10474 W. Thunderbird Blvd., Suite 200, Sun City, AZ 85351

### ***PROFESSIONAL AFFILIATIONS***

- American Headache Society (AHS)
- American Neuropsychiatric Association (ANPA)
- Arizona Psychological Association (AzPA)
- International Neuropsychological Society (INS)
- International Society of Neuronal Regulation (ISNR)
- National Academy of Neuropsychology (NAN)
- North American Brain Injury Society (NABIS)
- Society for Psychophysiological Research (SPR)

### ***CURRENT RESEARCH AND SCHOLARLY INTERESTS***

- Differential diagnosis of various dementias. Pathogenesis and patterns – neurodegenerative illnesses.
- Cortical, subcortical, and autonomic correlates of emotion, behavior, cognition, and aging.
- Sex differences in cardiovascular health as mediated by neuropsychological factors.
- Quantitative electroencephalography (QEEG) as a neuropsychological tool.
- Hostility and other risk factors for cardiovascular disease, with associated functional cerebral activation patterns and corresponding cardiovascular reactivity.

### ***CLINICAL RESEARCH***

1. A Randomized, Double-Blind, Placebo-Controlled, Parallel Group Phase 2 Study to Evaluate the Safety and Efficacy of FK962 in Subjects With Mild to Moderate Alzheimer's Disease.
2. A Double-Blind, Randomized, Placebo-Controlled, Parallel-Group Study to Investigate the Effects of Rosiglitazone (Extended Release Tablets) on Cerebral Glucose Utilization and Cognition in Subjects with Mild to Moderate Alzheimer’s Disease (AD).
3. A Multicenter, Randomized, Double-Blind, Placebo-Controlled Study To Evaluate Safety And Efficacy Of MEM 1003 In Patients With Mild To Moderate Alzheimer’s Disease.
4. A Multicenter, Randomized, Double-Blind, Placebo-Controlled, Phase II Study of Efficacy and Safety of SGS742 in Subjects with Mild to Moderate Alzheimer’s Disease.
5. A 54-week, double-blind, randomized, placebo-controlled, parallel-group study to investigate the effects of rosiglitazone (extended release tablets) as adjunctive therapy to donepezil on cognition and overall clinical response in *APOE*  $\epsilon 4$ -stratified subjects with mild to moderate Alzheimer’s disease.

6. A Double-Blind, Randomized, Placebo-Controlled, Dose Escalating Study to Evaluate the Safety, Tolerability, and Immunogenicity of V950 Formulated on Aluminum-Containing Adjuvant with or without ISCOMATRIX™ in Patients with Alzheimer Disease.
7. A Prospective, Open-Label, Randomized, Multi-Center, Parallel-Group Study of 5 Weeks, with a 20-Week Extension Evaluating the Tolerability and Safety of Switching from Donepezil to an Initial Dose of 5 cm<sup>2</sup> Rivastigmine Patch Formulation in Patients with Probable Alzheimer's Disease.
8. An open-label extension to study 49653-461, to assess the long-term safety of rosiglitazone (extended release tablets) in subjects with mild to moderate Alzheimer's Disease.
9. Pfizer 2008- A Phase 3, Randomized, Double-Blind, Parallel Group, 10-Week, Placebo Controlled Fixed Dose Study of PD 0332334 and Paroxetine Evaluating the Efficacy and Safety of PD 0332334 for the Treatment of Generalized Anxiety Disorder- **Sub-Investigator**
10. Pfizer 2008 A 52-Week Open-Label Safety Study of PD 0332334 in Subjects with Generalized Anxiety Disorder- **Sub-Investigator**
11. GlaxoSmithKline 2009- A Randomised, Double-Blind, Placebo-Controlled Study Evaluating the Efficacy and Safety of Orvepitant in Subjects with Major Depressive Disorder- **Sub-Investigator**
12. A Phase III, Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel Group, Efficacy and Safety Trial of Bapineuzumab (AAB 001, ELN115727) in Patients with Mild to Moderate Alzheimer's Disease who are Apolipoprotein E ε4 Non-Carriers.
13. A Phase III, Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel Group, Efficacy and Safety Trial of Bapineuzumab (AAB-001, ELN115727) in Patients with Mild to Moderate Alzheimer's Disease who are Apolipoprotein E ε4 Carriers.
14. A fixed dose study of SB-742457 versus placebo when added to existing donepezil treatment in subjects with mild-to-moderate Alzheimer's disease
15. A Phase II, Double-Blind, Randomized, Placebo-Controlled, Parallel-Group, Dose-Ranging Study Assessing the Efficacy and Safety of AC-3933 Tablets Twice Daily in Adults with Mild to Moderate Alzheimer's Disease
16. A Phase 3, Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel-Group Efficacy and Safety Trial of Bapineuzumab (AAB-001, ELN115727) in Subjects With Mild to Moderate Alzheimer's Disease Who Are Apolipoprotein E ε4 Carriers 3133K1-3001-US

## ***CLINICAL TRAINING***

### **FELLOWSHIP – Clinical Researcher and Postdoctoral Fellow in Clinical Neuropsychology**

8/02-8/04 Neuropsychology Clinic, Clinical Development Department  
Integris Jim Thorpe Rehabilitation Hospital  
4200 South Douglas Avenue, Suite 303, Oklahoma City, OK 73109  
Supervisor: Dr. William Ruwe

Neuropsychological assessment and the formation of treatment plans for patients with acquired brain injuries, neurodegenerative diseases, congenital difficulties (e.g., ADHD or learning disabilities), or questions about competence. Responsible for NIH and NIMH grant development and authoring, preparation of research articles for publication in peer-reviewed journals, and the introduction, development, and administration of QEEG and neurofeedback clinic services.

**INTERNSHIP – Clinical Psychology Intern**

7/01-7/02 New Orleans Veterans Affairs Medical Center  
Mental Health Service Line (COS6), 1601 Perdido Street, New Orleans, LA 70112  
Supervisors: Dr. Kevin Brailey, Dr. Jennifer Vasterling & Dr. John Mendoza (VAMC)  
Dr. F. William Black (Tulane University Health Sciences Center)

Clinical Neuropsychology, General Psychology, and Behavioral Medicine (pain and smoking cessation groups). Inpatient and outpatient assessment and consultation, therapy/intervention, comprehensive didactic training, in-service classes, and off-site seminars at Louisiana State University, Tulane University Health Sciences Center, Charity Hospital, and DePaul-Tulane Behavioral Health Center.

**Graduate Clinician/Supervisor**

8/95-5/01 Neuropsychological Assessment and Treatment Practicum Team  
Psychological Services Center and Child Study Center,  
Virginia Polytechnic Institute and State University (Virginia Tech)  
3110 Price's Fork Road, Blacksburg, Virginia 24060  
Supervisor: Dr. David W. Harrison

Graduate level practicum team specializing in the assessment and treatment of a variety of neuropsychological disorders resulting from cerebrovascular, congenital, convulsive, neoplastic, and traumatic disorders of the brain. Assessment procedures included syndrome analysis, standardized testing, and quantitative electroencephalography (QEEG) techniques. Individual and group supervision provided to graduate clinicians from 1999 to 2001.

**Assessment Clinician/Supervisor**

8/97-5/98, Assessment Clinic Practicum Team  
8/99-5/00 Psychological Services Center and Child Study Center, Virginia Tech  
3110 Price's Fork Road, Blacksburg, Virginia 24060  
Supervisors: Dr. Thomas H. Ollendick; Dr. Lee Cooper (1999-2000 only)

Graduate level assessment practicum team specializing in the assessment and treatment of a variety of learning and psychological disorders in children and adults including: ADHD; adjustment disorders; anxiety; depression; math, reading, and language disorders; and others. Provided individual and group training in assessment techniques and supervision of graduate clinicians during second term of service (1999-2000).

**Psychology Trainee in Clinical Externship**

8/97-5/98 Carilion St. Albans Psychiatric Hospital  
7516 Lee Highway, Radford, Virginia 24143  
Supervisor: Dr. Rick Seidel, Licensed Clinical Psychologist

Completed rotations (480 hours total) in three psychiatric units of the hospital, including a locked (committed) unit. Each unit specialized in the treatment of patients at differing levels of severity. Assessed and treated children, adolescents, and adults with problems ranging from anger management, chemical dependence, depression (with or without anxiety, mania, and suicidal ideation), PTSD, anxiety, to various other disorders with and without psychotic features. Assisted with and/or led the cognitive, community support, coping strategies, planning, and life skills group therapy sessions. Conducted family/couples sessions with patients and their primary support outside of the hospital. Organized follow-up care at time of discharge.

**Graduate Clinician/Supervisor**

8/97-5/98, Psychological Services Center (PSC) and Child Study Center (CSC)  
8/99-5/00 Virginia Tech, 3110 Price's Fork Road, Blacksburg, Virginia 24060  
Supervisors: Dr. Thomas H. Ollendick; Dr. Lee Cooper (8/99-5/00 only)

Responsible for the following: therapeutic duties, including the supervision of graduate clinicians; aiding in the conceptualization and organization of the PSC's library of Empirically-Supported Treatment Protocols; maintenance of the PSC's computer systems, Physiology and QEEG Laboratory, and other clinic equipment; design and administration of training sessions offered on the computer testing and scoring programs available at the PSC; and initiated design, layout and publication of web pages for PSC and CSC.

### **Graduate Clinician**

8/95-5/97 Clinical Practicum Team

Psychological Services Center and Child Study Center  
Virginia Tech, 3110 Price's Fork Road, Blacksburg, Virginia 24060  
Supervisors: Dr. Robert S. Stephens & Dr. Jack W. Finney (1995-1996)  
Dr. George A. Clum (1996-1997)

Graduate level practicum team specializing in the assessment and treatment of a variety of psychological disorders including anxiety, assertiveness, depression, learning disorders, personality disorders, marital difficulties, and adjustment disorders. Used individual, family, and couples therapy techniques.

### **Neuropsychological Rehabilitation Specialist**

5/94-5/95 Residential and Day Treatment Programs (training: 1,500 hours)

NeuroCare, Inc./Rehab Without Walls, 7227 N 16th St., Suite 107, Phoenix, AZ 85020  
Supervisor: Dr. Jon Van Doren, Licensed Clinical Neuropsychologist

Patient rehabilitation duties at the Residential Treatment Center (inpatient) and the Day Treatment Center (outpatient). Residential Program involved assisting patients with severe brain injuries to learn basic life skills, coping skills, stress management, relaxation skills, anger control, and behavior-management techniques. Day Treatment Program focused on improving orientation, language skills, attention, memory, processing speed, and other areas of cognitive difficulty in patients with mild to moderate brain injuries. Worked extensively with physical, occupational, speech, and vocational therapists in designing and implementing rehabilitation programs for child, adolescent, and adult patients.

## ***FACULTY/TEACHING***

### **Graduate Teaching Assistant, Physiological Psychology**

1/97-5/97 Department of Psychology, Virginia Tech, Blacksburg, Virginia 24061-0436

Supervisor: Bruce H. Friedman, Ph.D.

Teacher's Assistant for Physiological Psychology course with approximately 30 students.  
Administered quizzes, graded essays, and provided individual assistance to students.

### **Graduate Teaching Assistant, Social Psychology**

1/97-5/97 Department of Psychology, Virginia Tech, Blacksburg, Virginia 24061-0436

Supervisor: Danny K. Axsom, Ph.D.

Teacher's Assistant for Social Psychology course with approximately 30 students.  
Administered quizzes, graded essays, and provided individual assistance to students.

### **Graduate Teaching Assistant, Laboratory Instructor for Introductory Psychology**

8/95-5/96 Department of Psychology, Virginia Tech, Blacksburg, Virginia 24061-0436

Supervisor: David W. Harrison, Ph.D.

Taught two Introduction to Psychology laboratories with 35 students per course, associated with an undergraduate introductory psychology class. Duties involved teaching a laboratory section, writing and administering quizzes, grading essays, and providing individual assistance to students. In-class demonstrations of psychological concepts were designed and implemented.

### ***ACADEMIC RESEARCH***

**Dissertation** (5/00-5/02) Title: A Neuropsychological Investigation of Sex Differences in Cardiovascular Reactivity to Verbal and Spatial Fluency Tasks: Testing a New Model of Sex Differences in Cardiovascular Regulation and Disease

Department of Psychology, Virginia Tech, Blacksburg, Virginia 24061-0436  
Chairperson: David W. Harrison, Ph.D.

126 right-handed undergraduate men and women underwent physiological measurements of SBP, DBP, and HR before and after verbal and figural fluency tasks, used as stressors. Dynamic and functional cerebral regulation of cardiovascular reactivity was assessed, specifically, the role that the frontal lobes have in regulating SBP, DBP, and HR in men and women. Sex differences in the functional cerebral regulation of these cardiovascular factors were predicted. Hostility was assessed in these participants, using the Cook-Medley Hostility Inventory (6 total groups of 21 participants each: high-, mid-, and low-hostile participants were identified). Sex and group (hostility) differences were predicted, as well as task (fluency type) differences. Comparisons were also made on a time estimation task (30 and 180 seconds).

The principal findings of the current investigation were that the verbal fluency task raised SBP across sex and group, that both stressors raised SBP or DBP in different patterns (no sex differences were found), while stressors interacted with both sex and group. High-hostile men performed better on the first trial of the verbal fluency test compared to low-hostile men, while high-hostile women performed worse on the first trial of the verbal fluency test, compared to low-hostile women. Men perseverated more on each trial of the verbal fluency test, while women perseverated less across trials. High-hostile men's time perception seems to be more rapid than low-hostile men, while for women it is the opposite. Women reported significantly more stress from the figural fluency task than men. Women in the luteal phase of menstruation did better on the verbal fluency test than women in the follicular phase of menstruation, and hostility and menstrual phase interact with verbal fluency.

This study encourages the consideration of neuropsychological sex differences in order to better understand cardiovascular regulation mechanisms and disease. This may lead to the development of improved prevention and behavioral management programs. Support for this idea may bring about a new research focus, as some forms of cardiovascular disease may be more appropriately investigated as arising from neuropsychological problems.

**Preliminary Exam** (5/99-5/00) Title: Sex Differences in Cardiovascular Regulation and Disease: A Neuropsychological Model

Department of Psychology, Virginia Tech, Blacksburg, Virginia 24061-0436  
Chairperson: David W. Harrison, Ph.D.

Conducted a comprehensive review and merged two bodies of literature that had not been previously integrated (the neuropsychology of sex differences and neuropsychological theories of cardiovascular regulation). Through this merging, a new, testable neuropsychological model of sex differences in cardiovascular regulation was presented to augment the current understanding of cardiovascular regulation, to improve prevention strategies, and to refine the treatment of some forms of cardiovascular disease. Furthermore, the proposed model represents a new, neuropsychological conceptualization of sex differences in cardiovascular

regulation and disease, and is meant to aid in the reassessment or reinterpretation of previous research data, where applicable or useful, as possible implications of the model are considered.

**Master's Thesis Title:** Cardiovascular Reactivity To Speech Processing and Cold Pressor Stress:  
(8/96-5/99) Evidence For Sex Differences In Dynamic Functional Cerebral Laterality

Department of Psychology, Virginia Tech, Blacksburg, Virginia 24061-0436  
Chairperson: David W. Harrison, Ph.D.

Investigated sex differences in dynamic functional cerebral laterality effects on cardiovascular reactivity and dichotic listening in response to a stressor (a cold pressor). Findings indicated a sex by focus interaction effect where men's, but not women's, systolic blood pressure increased significantly when focusing on sounds presented at the left ear during the dichotic listening task. Also, a compartmentalized, dynamic response in dichotic listening test performance was evidenced in both men and women (as both experienced increased accuracy at the right, but not left, ear), brought about as a function of the stressor. Men and women both evidenced increased cardiovascular reactivity, with men experiencing significantly more cardiovascular reactivity (SBP) than women in response to cold pressor pain. Women were also able to identify significantly more speech sounds presented to the left ear than men, and they were able to dynamically increase accuracy at the targeted ear identified within each focus group (left or right). Speech sounds processing (dichotic listening task) significantly decreased men's, but not women's, systolic blood pressure. These results contribute to the literature on sex differences in functional cerebral laterality.

### ***PUBLICATIONS - Refereed Articles***

Demaree, H.A., Higgins, D.A., Williamson J., Harrison D.W. (2002). Asymmetry in hand grip strength and fatigue in low- and high-hostile men. International Journal of Neuroscience, 112(4), 415-428.

Shenal, B., Moore, T., Rhodes, R., Higgins, D., & Harrison, D. W. (2001). Quantitative electroencephalography (QEEG) and neuropsychological syndrome analysis. Neuropsychology Review, 11(1), 31-44.

Knight, G. P., Fabes, R. A., & Higgins, D. A. (1996). Concerns about drawing causal inferences from meta-analyses: An example in the study of gender differences in aggression. Psychological Bulletin, 119(3), 410-421.

### ***PUBLICATIONS - Refereed Abstracts***

Higgins, D. A., Harrison, D. W., & Ruwe, W. D. (2003). Sex Differences In Cardiovascular Reactivity To Verbal And Spatial Fluency Tasks. Archives of Clinical Neuropsychology, 18(7), 759-760.

Higgins, D. A., & Harrison, D. W. (2003). Sex Differences in Verbal and Figural Perseveration across Trials. Journal of the International Neuropsychological Society, 9(2), 223.

Higgins, D. A., & Harrison, D. W. (2003). Interaction of Sex and Hostility on Verbal Fluency Performance. Journal of the International Neuropsychological Society, 9(2), 222.

Higgins, D. A., & Harrison, D. W. (2002). Dynamic Effects of Menstrual Phase and Hostility on Verbal Fluency. Archives of Clinical Neuropsychology, 17(8), 839.

Higgins, D. A., & Harrison, D. W. (2002). Sex Differences in Time Estimation: Hostile Interference. Archives of Clinical Neuropsychology, 17(8), 753.

- Higgins, D. A., & Harrison, D.W. (2002). Sex Differences in Motor Asymmetry. Journal of the International Neuropsychological Society, 8(2), 281.
- Higgins, D. A., Williamson, J. B., & Harrison, D. W. (2002). A Cross-Sectional Comparison of Frontal Lobe Development and Aging. Journal of the International Neuropsychological Society, 8(2), 144.
- Higgins, D. A., Beck, A. L., & Harrison, D. W. (2001). Sex Differences in Aging Effects on Frontal Lobe Decline. Archives of Clinical Neuropsychology, 16(8), 728.
- Higgins, D. A., & Harrison, D. W. (2001). Sex differences in diastolic blood pressure reactivity as a function of denial. Journal of the International Neuropsychological Society, 7(2), 256.
- Higgins, D. A., Rhodes, R., Shenal, B., & Harrison, D. W. (2001). Quantitative electroencephalography as an assessment tool for ADHD diagnosis. Journal of the International Neuropsychological Society, 7(2), 160-161.
- Higgins, D. A., & Harrison, D. W. (2001). QEEG imaging brain laterality of visualized positive and negative emotions. Journal of the International Neuropsychological Society, 7(2), 243.
- Higgins, D. A., & Harrison, D. W. (2001). QEEG as assessment tool for multi-sensory paresthesia diagnosis (Schizophrenia). Journal of the International Neuropsychological Society, 7(2), 133.
- Higgins, D. A., Demaree, H. A., Williamson, J., & Harrison, D. W. (2000). Hand grip strength and functional cerebral asymmetry differences in low- and high-hostile men. Journal of the International Neuropsychological Society, 6(2), 118.
- Higgins, D. A., Everhart, D. E., & Harrison, D. W. (2000). QEEG as an assessment tool for pseudoseizure diagnosis. Journal of the International Neuropsychological Society, 6(2), 158.
- Higgins, D. A., & Harrison, D. W. (1999). Sex differences in the functional cerebral laterality of cardiovascular reactivity to speech and a cold pressor. Archives of Clinical Neuropsychology, 14(8), 771.
- Everhart, D. E., Higgins, D. A., & Harrison, D. W. (1997). Neuropsychological effects of anxiety without depression on facial affect perception. The Clinical Neuropsychologist, 11(3), 319-320.
- Higgins, D. A. (1994). Changing gender differences in aggression?: Clarification through meta-analysis. Proceedings: Eighth National Conference on Undergraduate Research, 1, 441-445.

***PUBLICATIONS - Manuscripts in Preparation or under Review***

- Higgins, D. A., & Harrison, D. W. (under review). Sex differences in cardiovascular regulation and disease: A neuropsychological model. Manuscript under review with Psychological Bulletin.
- Higgins, D. A., & Harrison, D. W. (in preparation). Sex Differences In Cardiovascular Reactivity To Verbal And Spatial Fluency Tasks. Manuscript in preparation for publication.
- Higgins, D. A., & Harrison, D. W. (in preparation). Cardiovascular reactivity to speech processing and cold pressor stress: Evidence for sex differences in dynamic functional cerebral laterality. Manuscript in preparation for publication.
- Higgins, D. A., & Harrison, D. W. (in preparation). QEEG imaging brain laterality of visualized positive and negative emotions. Manuscript in preparation for publication.

Higgins, D. A., & Harrison, D. W. (in preparation). Sex differences in diastolic blood pressure reactivity as a function of denial. Manuscript in preparation for publication.

### ***CONFERENCE PRESENTATIONS and POSTERS***

Higgins, D. A., Harrison, D. W., & Ruwe, W. D. (2003, October). Sex Differences In Cardiovascular Reactivity To Verbal And Spatial Fluency Tasks. Poster session presented at the annual meeting of the National Academy of Neuropsychology, Dallas, Texas.

Higgins, D. A., & Harrison, D. W. (2003, February). Sex Differences in Verbal and Figural Perseveration across Trials. Poster session presented at the annual meeting of the International Neuropsychological Society, Honolulu, Hawaii.

Higgins, D. A., & Harrison, D. W. (2003, February). Interaction of Sex and Hostility on Verbal Fluency Performance. Poster session presented at the annual meeting of the International Neuropsychological Society, Honolulu, Hawaii.

Higgins, D. A., & Harrison, D. W. (2002, October). Dynamic Effects of Menstrual Phase and Hostility on Verbal Fluency. Poster session presented at the annual meeting of the National Academy of Neuropsychology, Miami, Florida.

Higgins, D. A., & Harrison, D. W. (2002, October). Sex Differences in Time Estimation: Hostile Interference. Poster session presented at the annual meeting of the National Academy of Neuropsychology, Miami, Florida.

Higgins, D. A., & Harrison, D. W. (2002, February). Sex Differences in Motor Asymmetry. Poster session presented at the annual meeting of the International Neuropsychological Society, Toronto, Ontario, Canada.

Higgins, D. A., Williamson, J. B., & Harrison, D. W. (2002, February). A Cross-Sectional Comparison of Frontal Lobe Development and Aging. Poster session presented at the annual meeting of the International Neuropsychological Society, Toronto, Ontario, Canada.

Higgins, D. A., Beck, A. L., & Harrison, D. W. (2001, November). Sex Differences in Aging Effects on Frontal Lobe Decline. Poster session presented at the annual meeting of the National Academy of Neuropsychology, San Francisco, California.

Beck, A. L., Higgins, D. A., Williamson, J. B., Foster, P., & Harrison, D. W. (2001, March). Frontal Lobe Deterioration: Evidence from Sex Differences in Aging Effects. Poster session presented at the annual meeting of the Southeastern Psychological Association, Atlanta, Georgia.

Williamson, J., Higgins, D. A., Beck, A. L., & Harrison, D. W. (2001, March). A Cross-Sectional Comparison of Frontal Lobe Development and Aging. Poster session presented at the annual meeting of the Southeastern Psychological Association, Atlanta, Georgia.

Higgins, D. A., & Harrison, D. W. (2001, February). Sex Differences in Diastolic Blood Pressure Reactivity as a Function of Denial. Poster session presented at the annual meeting of the International Neuropsychological Society, Chicago, Illinois.

Higgins, D. A., Rhodes, R., Shenal, B., & Harrison, D. W. (2001, February). Quantitative Electroencephalography as an Assessment Tool for ADHD Diagnosis. Poster session presented at the annual meeting of the International Neuropsychological Society, Chicago, Illinois.

Higgins, D. A., & Harrison, D. W. (2001, February). QEEG Imaging Brain Laterality of Visualized Positive and Negative Emotions. Poster session presented at the annual meeting of the International Neuropsychological Society, Chicago, Illinois.

- Higgins, D. A., & Harrison, D. W. (2001, February). QEEG as Assessment Tool for Multi-Sensory Paresthesia Diagnosis (Schizophrenia). Poster session presented at the annual meeting of the International Neuropsychological Society, Chicago, Illinois.
- Higgins, D. A., Everhart, D. E., & Harrison, D. W. (2000, February). QEEG as an assessment tool for pseudoseizure diagnosis. Poster session presented at the annual meeting of the International Neuropsychological Society, Denver, Colorado.
- Higgins, D. A., Demaree, H. A., Williamson, J. B., & Harrison, D. W. (2000, February). Hand grip strength and functional cerebral asymmetry differences in low- and high-hostile men. Poster session presented at the annual meeting of the International Neuropsychological Society, Denver, Colorado.
- Higgins, D. A., & Harrison, D. W. (1999, November). Sex differences in the functional cerebral laterality of cardiovascular reactivity to speech and a cold pressor. Poster session presented at the annual meeting of the National Academy of Neuropsychology, San Antonio, TX.
- Higgins, D. A., Everhart, D. E., & Harrison, D. W. (1999, March). Neurological disorders misdiagnosed as conversion disorders: QEEG utility for increased diagnostic accuracy. Poster session presented at the annual meeting of the Southeastern Psychological Association, Savannah, Georgia.
- Williamson, J. B., Higgins, D. A., Demaree, H. A., & Harrison, D. W. (1999, March). Diminished asymmetry in hostile men: Motor performance. Poster session presented at the annual meeting of the Southeastern Psychological Association, Savannah, Georgia.
- Higgins, D., Shenal, B., Moore, T., Rhodes, R., & Harrison, D. W. (1998, April). Quantitative electroencephalography (QEEG) facilitates neuropsychological syndrome analysis: An alternative to the nomothetic approach. Paper presented at the Spring meeting of the Virginia Psychological Association, Charlottesville, Virginia.
- Everhart, D. E., Higgins, D. A., & Harrison, D. W. (1997, August). Neuropsychological effects of anxiety without depression on facial affect perception. Poster session presented at the annual meeting of the American Psychological Association, Chicago, Illinois.
- Higgins, D. A. (1994, April). Changing gender differences in aggression?: Clarification through meta-analysis. Paper presented at the annual meeting of the National Conference on Undergraduate Research, Kalamazoo, Michigan.

***PROFESSIONAL CONFERENCE PARTICIPATION***

Feb., 2011	International Neuropsychology Society	Boston, Massachusetts
Nov., 2010	Barrow Neurological Institute	Phoenix, Arizona
Oct., 2010	Arizona Psychological Association	Scottsdale, Arizona
Nov., 2009	Arizona Psychological Association	Fountain Hills, Arizona
Oct., 2009	Arizona Psychological Association	Scottsdale, Arizona
Oct., 2009	Barrow Neurological Institute	Phoenix, Arizona
Nov., 2008	Arizona Psychological Association	Tucson, Arizona
Oct., 2008	Barrow Neurological Institute	Phoenix, Arizona
Nov., 2007	National Academy of Neuropsychology	Scottsdale, Arizona
Nov., 2007	American Headache Society	Scottsdale, Arizona
Oct., 2007	Barrow Neurological Institute	Phoenix, Arizona
Feb., 2007	American Neuropsychiatric Association	Tucson, Arizona
Jan., 2007	Barrow Neurological Institute	Phoenix, Arizona
Nov., 2006	American Headache Society	Scottsdale, Arizona

Oct., 2006	National Academy of Neuropsychology	San Antonio, Texas
Oct., 2005	National Academy of Neuropsychology	Tampa, Florida
Oct., 2003	National Academy of Neuropsychology	Dallas, Texas
Feb., 2003	International Neuropsychology Society	Honolulu, Hawaii
Feb., 2003	American Neuropsychiatric Association	Honolulu, Hawaii
Oct., 2002	National Academy of Neuropsychology	Miami, Florida
Sep., 2002	International Society of Neuronal Regulation	Scottsdale, Arizona
Feb., 2002	International Neuropsychology Society	Toronto, Ontario, Canada
Nov., 2001	National Academy of Neuropsychology	San Francisco, California
Mar., 2001	Southeastern Psychological Association	Atlanta, Georgia
Feb., 2001	International Neuropsychology Society	Chicago, Illinois
Nov., 2000	National Academy of Neuropsychology	Orlando, Florida
Feb., 2000	International Neuropsychology Society	Denver, Colorado
Nov., 1999	National Academy of Neuropsychology	San Antonio, Texas
Mar., 1999	Southeastern Psychological Association	Savannah, Georgia
Nov., 1998	National Academy of Neuropsychology	Washington, D.C.
Apr., 1998	Virginia Psychological Association Spring	Charlottesville, Virginia
Nov., 1997	National Academy of Neuropsychology	Las Vegas, Nevada
Aug., 1997	American Psychological Association	Chicago, Illinois
Feb., 1997	International Neuropsychological Society	Orlando, Florida
Oct., 1996	National Academy of Neuropsychology	New Orleans, Louisiana
Aug., 1996	American Psychological Association	Toronto, Ontario, Canada

***RELEVANT COMPUTER SKILLS (Proficient with:)***

- Microsoft Access, Excel, FrontPage, PowerPoint, Publisher, Visio, and Word
- Computer System (hardware) configuration & troubleshooting
- Network Administration
- Web page authoring, graphic design, and maintenance (**personal webpage: [www.neuro-psych.biz](http://www.neuro-psych.biz)**)
- SAS and SPSS statistical packages
- Adobe Acrobat, PageMaker, and Photoshop
- Lexicor NeuroSearch-24 Quantitative Electroencephalography (QEEG) hardware
- Lexicor NeuroLex/BioLex Software system
- DeyMed Diagnostic TruScan 24/32 (QEEG) hardware
- DeyMed Acquisition and Explorer Software (QEEG acquisition and analysis)
- DeyMed Diagnostic Brain Feedback 3 Programs (neurofeedback software)

***PERSONAL***

- Born and raised in Arizona
- Father of nine children (3 daughters and 6 sons)
- Served a two-year mission for the Church of Jesus Christ of Latter-Day Saints (Montréal, Québec Mission)
- Fluent in French (reading, writing, and speaking)
- Some Spanish communication ability
- Industrious. Honest. Earnest.
- Ambitious. Determined. Motivated.
- Photographer
- Eagle Scout
- Constant seeker of truth, knowledge and light.
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## REFERENCES

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