

TRESA M. ROEBUCK SPENCER, PH.D., ABPP-CN

Board Certified In Clinical Neuropsychology

Curriculum Vitae

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CURRENT POSITIONS

August 2013-present **Neuropsychologist, Private Practice**
Jefferson Neurobehavioral Group,
New Orleans, LA

Responsibilities: Neuropsychological assessment and psychotherapeutic intervention for medical patients in general outpatient setting; Neuropsychological and psychological assessment for medical-legal clients, disability evaluations, and independent medical evaluations; Sports concussion consulting; Independent and collaborative research in the areas of traumatic brain injury, computerized cognitive testing, and performance validity assessment.

June 2013-present **Research Scientist – Affiliate Status**
Cognitive Science Research Center (CSRC)
University of Oklahoma, Norman Campus

Responsibilities: Conduct independent and collaborative research in the areas of traumatic brain injury and computerized neuropsychological testing; provide technical and consulting support in the area of clinical neuropsychology to a multidisciplinary research group

EDUCATION

Sept 2000 - August 2002 **Baylor College of Medicine, Departments of Neurology and Physical Medicine and Rehabilitation**

The Institute for Rehabilitation and Research (TIRR) (APPCN-Accredited)

Postdoctoral Fellowship in Clinical Neuropsychology

July 1999 - June 2000 **University of Chicago Medical Center**
Internship in Clinical Psychology (APA-Accredited)
Specialization in Clinical Neuropsychology

August 1995 - Sept 2000 **San Diego State University/University of California, San Diego**
Joint Doctoral Program in Clinical Psychology (APA-Accredited)
Ph.D. in Clinical Psychology with Specialization in Neuropsychology
Dissertation Topic: *Assessment of interhemispheric functioning in children with heavy prenatal exposure to alcohol*

August 1990 –May 1994 **University of Houston, Honors College**
Bachelor of Science in Psychology, Summa Cum Laude
Senior Honors Thesis: *A dual-task study: Incorporating the speech and manual dominance models*

LICENSURE/BOARD CERTIFICATION

Board Certification in Clinical Neuropsychology from the American Board of Professional Psychology

Licensure in Louisiana, License #1246

Licensure in the District of Columbia, License # PSY 1000189

Licensure in Oklahoma, License #1078 (Inactive Status)

Licensure in Virginia, License #0810003608 (Inactive Status)

PROFESSIONAL AFFILIATIONS

American Psychological Association (APA), Division 40 (Clinical Neuropsychology)

National Academy of Neuropsychology (NAN), Fellow

International Neuropsychological Society (INS)

American Academy of Clinical Neuropsychologists (AACN)

PROFESSIONAL ACTIVITIES

Professional Affairs and Information Committee (PAIC) for NAN (2005-present); Co-Chair (2012 – present)

Inter-Organizational Practice Committee (IOPC), NAN PAIC representative; Co-Chair (Jan – June 2013)

Member of the Joint Committee on Interprofessional Relations between the American Speech-Language-Hearing Association (ASHA) and APA Division 40 (2006-2008)

Program Committee Member for NAN (2006-2008)

Program Committee Member for APA Division 40 (2003 – 2006)

Member of the Neuropsychology Guidelines Workgroup, an inter-organizational task force appointed by the professional neuropsychology organizations that participate in the Clinical Neuropsychology Synarchy

PREVIOUS PROFESSIONAL POSITIONS

March 2009 - May 2013 **Adjunct Clinical Assistant Professor**
Department of Psychiatry
University of Oklahoma Health Sciences Center

Feb 2009 - March 2013 **Neuropsychologist**
Valir Rehabilitation Hospital, Oklahoma City
Responsibilities: Provided neuropsychological assessment and intervention to patients in rehabilitation hospital. Patients seen include general rehabilitation, spinal cord injury, stroke, traumatic brain injury, and other acquired brain injury

October 2008-May 2013 **Research Scientist**
Cognitive Science Research Center (CSRC)
University of Oklahoma, Norman Campus
Responsibilities: Conduct independent and collaborative research in the areas of traumatic brain injury and computerized neuropsychological testing; provide technical and consulting support in the area of clinical neuropsychology to a multidisciplinary research group

October 2002- July 2008 **National Rehabilitation Hospital, Washington, DC**
Clinical Neuropsychologist (2004 – 2008), Department of Psychology
Senior Research Associate (2002 – 2005), Neuroscience Research Center
Responsibilities: Neuropsychological assessment and intervention for patients on brain injury and stroke inpatient rehabilitation units; Neuropsychological assessment services for a general outpatient neuropsychology clinic; Psychotherapy for inpatient and outpatient populations; Neuropsychological assessment and treatment for outpatient post-acute neurorehabilitation day treatment program; Supervision of externs; Independent and collaborative clinical research in the areas of traumatic brain injury, computerized cognitive testing, and telemedicine.

- Sept 2000 - August 2002 **Baylor College of Medicine/The Institute for Rehabilitation and Research (TIRR)**
Neuropsychology Postdoctoral Fellow
 Brain Injury Research Center
Supervisors: Walter High, Ph.D., Corwin Boake, Ph.D., Angelle Sander, Ph.D., Margaret Struchen, Ph.D.
- July 1999 - June 2000 **University of Chicago Medical Center**
Clinical Psychology Intern
 Department of Psychiatry
Training Director: Neil Pliskin, Ph.D., ABPP
- August 1995 - June 1999 **Center for Behavioral Teratology, San Diego State University**
Graduate Research Assistant
 Department of Psychology
Supervisor: Edward P. Riley, Ph.D.
- June 1994 - July 1995 **University of Texas Mental Sciences Institute, Houston, Texas**
Research Assistant
 Developmental Neuropsychology Clinic
Supervisor: Deborah Pearson, Ph.D.
- August 1993- July 1995 **Cognitive Neuropsychology Laboratory, University of Houston**
Undergraduate Research Assistant
 Department of Psychology
Supervisor: Merrill Hiscock, Ph.D.

SUPERVISED CLINICAL TRAINING

- Sept 2000 - August 2002 **Baylor College of Medicine/The Institute for Rehabilitation and Research (TIRR)**
 APCN-Accredited Postdoctoral Fellowship in Neuropsychology
Directors: Corwin Boake, Ph.D., ABPP; Walter High, Ph.D., George Ringholz, MD, Ph.D.

Clinical Placements:

- **Baylor College of Medicine**
 Department of Neurology, Section of Neuropsychology and Behavioral Neurology;
Supervisor: George Ringholz, M.D., Ph.D.
- **Ben Taub Hospital**
 Psychiatry Consult and Liaison Service; *Supervisor:* George Ringholz, M.D., Ph.D.
- **St. Luke's Episcopal Hospital**
 Physical Medicine & Rehabilitation; *Supervisor:* Norma Cooke, Ph.D.
- **Texas Children's Hospital, Pediatric Neurology Clinic**
Supervisors: Lynn Chapiesky, Ph.D. & Karen Evankovich, Ph.D.
- **University of Texas, MD Anderson Cancer Center**
 Department of Neuro-oncology; *Supervisor:* Christina Meyers, Ph.D., ABPP
- **The Institute for Rehabilitation and Research (TIRR)**
 Brain Injury Rehabilitation; *Supervisor:* Corwin Boake, Ph.D., ABPP

- July 1999 - June 2000 **University of Chicago Medical Center, Department of Psychiatry**
 Clinical Psychology Internship, Clinical Neuropsychology Specialization
Training Director: Neil Pliskin, Ph.D., ABPP

Clinical Rotations:

- **University of Chicago Medical Center, Department of Psychiatry**
 Outpatient Neuropsychology Clinic; *Supervisors:* Neil Pliskin, Ph.D. & Ivan Torres, Ph.D.
 Outpatient Psychiatry Clinic; *Supervisors:* Joseph Fink, Ph.D. & Neil Pliskin, Ph.D.
 Cognitive Behavioral Therapy Clinic; *Supervisor:* Mark Reinecke, Ph.D.

Outpatient Pediatric Neuropsychology Clinic; *Supervisor*: Scott Hunter, Ph.D.

- **Tinley Park State Hospital**
Consultation Service at Psychiatric Inpatient Hospital; *Supervisor*: Ivan Torres, Ph.D.
- **Weiss Memorial Hospital**
Inpatient Physical Medicine & Rehabilitation; *Supervisor*: Maureen Lacy, Ph.D.

August 1998 - June 1999 **Department of Veterans Affairs Medical Center, San Diego**
Neuropsychological Assessment Unit (Practicum)
Supervisors: Dean Delis, Ph.D., Terry Jernigan, Ph.D., Mark Bondi, Ph.D., Greg Brown, Ph.D.

August 1998 - June 1999 **University of California, San Diego, Gifford Outpatient Psychiatry Clinic**
Neuropsychology Practicum
Supervisor: Robert Heaton, Ph.D., ABPP

August 1997 - July 1998 **University of California, San Diego, Medical Center**
Neuropsychiatry and Behavioral Medicine Unit - Psychiatric Inpatient (Practicum)
Supervisor: William Perry, Ph.D.

August 1996 - July 1997 **San Diego State University Psychology Clinic**
Child and Family Psychology Clinic (Practicum)
Supervisor: Vanessa Malcarne, Ph.D.

June 1996 - July 1996 **Department of Veterans Affairs Medical Center, San Diego**
Outpatient Mood Clinic (Practicum)
Supervisor: John McQuaid, Ph.D.

TEACHING AND ACADEMIC ACTIVITIES

Invited Reviewer

Journal of the International Neuropsychological Society
Journal of Clinical and Experimental Neuropsychology
The Clinical Neuropsychologist
Neuropsychology Review
Archives of Physical Medicine and Rehabilitation
Alcoholism: Clinical and Experimental Research
Perceptual and Motor Skills/Psychological Reports
Arthritis Care and Research
Pediatrics

August 1997 - Jan 1998 **Statistical Methods in Psychology**
Graduate Instructor
Department of Psychology, San Diego State University

August 1996 - May 1997 **Statistics Tutor**
Department of Psychology, San Diego State University

PEER REVIEWED PUBLICATIONS

1. **Roebuck-Spencer**, T.M., Vincent, A.S., Gilliland, K., Johnson, D.R., Cooper, D.B. &. (2013). Initial Clinical Validation of an Embedded Performance Validity Measure within the Automated Neuropsychological Metrics (ANAM). *Archives of Clinical Neuropsychology*, 28(7), 700-710.
2. Woodhouse, J., Heyanka, D.J., Scott, J., Vincent, A., **Roebuck-Spencer**, T., Domboski, K., O'Mahar, K., Adams, R. (2013). Efficacy of the ANAM General Neuropsychological Screening battery (ANAM GNS) for detecting neurocognitive impairment in a mixed clinical sample. *The Clinical Neuropsychologist*, 27(3), 376-385.

3. **Roebuck-Spencer**, T.M., Vincent, A.S., Schlegel, R.E., & Gilliland, K. (2013). Evidence of Added Value of Baseline Testing in Computer-Based Cognitive Assessment. Journal of Athletic Training, 48(4), 499-505.
4. Brunner, HI, Klein-Gitelman, MS, Zelko, F, Thomas, EC, Hummel, J, Nelson, SM, Huggins, J, Curran, ML, **Roebuck-Spencer**, T, Beebe, DW, & Ying, J. (2013). Validation of the pediatric automated neuropsychological assessment metrics in childhood-onset systemic lupus erythematosus. Arthritis Care Research, 65(3), 372-381.
5. **Roebuck-Spencer**, T., Vincent, A.S., Twillie, D.A., Logan, B.W., Lopez, M.S., Friedl, K.E., Grate, S.J., Schlegel, R.E., & Gilliland, K. (2012). Cognitive Change Associated with Self-Reported Mild Traumatic Brain Injury Sustained During the OEF/OIF Conflicts, The Clinical Neuropsychologist, 26 (3), 473-489.
6. Vincent, A.S., **Roebuck-Spencer**, T.M., Gilliland, K., & Schlegel, R.E. (2012). Automated Neuropsychological Assessment Metrics (v4) traumatic brain injury battery: Military normative data stratified by age and gender. Military Medicine, 177, 256-269.
7. Vincent, A.S., **Roebuck-Spencer**, T.M., Lopez, M.S., Twillie, D.A., Logan, B.W., Grate, S.J., Friedl, K.E., Schlegel, R.E., Gilliland, K. (2012). Effects of deployment on cognitive functioning. Military Medicine, 177, 248-269.
8. Krivitzky, L. S., **Roebuck-Spencer**, T.M., Roth, R.M., Blackstone, K., Johnson, C.P., & Gioia, G. (2011). Functional magnetic resonance imaging of working memory and response inhibition in children with mild traumatic brain injury. Journal of the International Neuropsychological Society, 17(6): 1143-52.
9. Sherer, M., **Roebuck-Spencer**, T.M., Davis, L. (2010). Outcome assessment in traumatic brain injury clinical trials and prognostic studies. Journal of Head Trauma Rehabilitation, 25, (2): 92-8.
10. Wertheimer, J.C., **Roebuck-Spencer**, T.M., Constantinidou, F., Turkstra, L., Pavol, M., & Paul, D. (2008). Collaboration between neuropsychologists and speech-language pathologists in rehabilitation settings. Journal of Head Trauma Rehabilitation, 23, (5): 273-285.
11. McGee, C.L., Schonfeld, A.M., **Roebuck-Spencer**, T.M., Riley, E.P., Mattson, S.N. (2008). Children with heavy prenatal alcohol exposure demonstrate deficits on multiple measures of concept formation. Alcoholism Clinical and Experimental Research, 32 (8):1388-1397.
12. **Roebuck-Spencer**, T.M., Reeves, D.L., Bleiberg, J., Cernich, A.N., Schwab, K., Ivins, B., Salazar, A., Harvey, S., Brown, F., Warden, D. (2008). Influence of demographics on computerized cognitive testing in a military sample. Military Psychology, 2(3).
13. Walitt, B., **Roebuck-Spencer**, T., Bleiberg, J., Foster, G., Weinstein, A. (2008) Automated neuropsychiatric measurements of information processing in fibromyalgia. Rheumatology Int, 28(6), 561-566.
14. Brunner, H., Ruth, N.M., German, A., Nelson, S., Passo, M., **Roebuck-Spencer**, T.M., Ying, Y., Ris, D. (2007). Initial validation of the pediatric Automated Neuropsychological Assessment Metrics for childhood-onset systemic lupus erythematosus. Arthritis Care and Research, 57(7), 1174-1182.
15. Walitt B., **Roebuck-Spencer**, T., Esposito, G., Atkins, F., Bleiberg, J., Foster, G., Weinstein A. (2007). The effects of multidisciplinary therapy on positron emission tomography of the brain in fibromyalgia: A pilot study. Rheumatol Int, 27(11), 1019-24.
16. **Roebuck-Spencer**, T., Sun, W., Cernich, A.N., Farmer, K., Bleiberg, J. (2007). Assessing change with the Automated Neuropsychological Assessment Metrics (ANAM): Issues and challenges. Arch Clin Neuropsychol, 22(1), 79-97.
17. Kane, R.L., **Roebuck-Spencer**, T., Short, P., Kabat, M., Wilken, J. (2007). Identifying and monitoring cognitive deficits in clinical populations using automated neuropsychological assessment metrics (ANAM) tests. Arch Clin Neuropsychol, 22(1), 115-126.
18. Oroszi, G., Lapteva, L., Davis, E., Yarboro, C.H., Weickert, T., **Roebuck-Spencer**, T., Bleiberg, J., Rosenstein, D., Pao, M., Lipsky, P.E., Goldman, D., Lipsky, R.H., Illei, G.G. (2006). The Met66 allele of the functional Val66Met polymorphism in the brain-derived neurotrophic factor gene confers protection against neurocognitive dysfunction in systemic lupus erythematosus. Ann Rheum Dis, 65(10), 1330-1335.
19. Lapteva, L., Nowak, M Yarboro, C.H., Takada, K., **Roebuck-Spencer**, T.M., Weickert, T., Bleiberg, J., Rosenstein, D., Pao, M., Patronas, N., Steele, S., Manzano M., van der Veen, J., Lipsky, P.E., Marengo S., Wesley, R., Volpe, B., Diamond, B., Illei, G.G., (2006). Anti-N-Methyl-D-Aspartate receptor antibodies, cognitive dysfunction, and depression in systemic lupus erythematosus. Arthritis and Rheumatism, 54(8), 2505-2514.

20. Reeves, D.L., Bleiberg, J., **Roebuck-Spencer**, T.M., Cernich, A.N., Schwab, K., Ivins, B., Salazar, A.M., Harvey, S.C, Brown, F.H., & Warden, D. (2006). Reference values for performance on the Automated Neuropsychological Assessment Metrics V3.0 in an active-duty military sample. Military Medicine, 171(10), 982-994.
21. **Roebuck-Spencer**, T.M., Yarboro, C., Nowak, M., Takada, K., Jacobs, G., Lapteva, L., Weickert, T., Volpe, B., Diamond, B., Illei, G., Bleiberg, J., (2006). Use of computerized assessment to predict neuropsychological functioning and emotional distress in patients with systemic lupus erythematosus. Arthritis and Rheumatism, 55(3), 434-441.
22. High, W.M., **Roebuck-Spencer**, T.M., Sander, A.M., Struchen, M.A., Sherer, M., (2006) Early versus Later Admission to Post Acute Rehabilitation: Impact on Functional Outcome Following Traumatic Brain Injury. Archives of Physical Medicine and Rehabilitation, 87(3), 334-342.
23. **Roebuck-Spencer**, T. M. & Mattson, S.N. (2004) Implicit strategy affects learning in children with heavy prenatal alcohol exposure. Alcoholism: Clinical and Experimental Research, 28(9), 1424-1431.
24. **Roebuck-Spencer**, T.M., Mattson, S.N., Marion, S.D., Brown, W.S., & Riley, E.P. (2004). Bimanual coordination in alcohol-exposed children: Role of the corpus callosum. Journal of International Neuropsychological Society, 10(4), 536-548.
25. Atchison, T.B., Sander, A.M. Struchen, M.A., **Roebuck**, T.M., Contant, C.F., Wefel, J.S., Novack, T.A., Sherer, M., & High, W.M. (2004). Relationship Between Neuropsychological Test Performance and Productivity at 1-Year Following Traumatic Brain Injury. The Clinical Neuropsychologist, 18(2), 249-265.
26. **Roebuck**, T.M., & Mattson, S.N. (2002). Interhemispheric transfer in children with heavy prenatal alcohol exposure. Alcoholism: Clinical and Experimental Research, 26 (12), 1863-1871.
27. Mattson, S.N. & **Roebuck**, T.M. (2002). Acquisition and retention of verbal and nonverbal information in children with heavy alcohol exposure. Alcoholism: Clinical and Experimental Research, 26(6), 875-882.
28. Struchen, M.A., Atchison, T.B., **Roebuck**, T.M., Caroselli, J.S. & Sander, A.M. (2002). A multidimensional measure of caregiving appraisal: Validation of the Caregiver Appraisal Scale in traumatic brain injury. Journal of Head Trauma Rehabilitation, 17(2), 132-154.
29. Sander, A.M., **Roebuck**, T.M., Struchen, M.A., Sherer, M.S., & High, W.M. Jr. (2001). Long term maintenance of gains obtained in post-acute rehabilitation by persons with traumatic brain injury. Journal of Head Trauma Rehabilitation, 16(4), 1-19.
30. Perry, W., Heaton, R., Potterant, E., Minnasian, A., **Roebuck**, T., & Braff, D. (2001). Working memory in schizophrenia: Transient "online" storage versus executive functioning. Schizophrenia Bulletin, 27(1), 157-176.
31. **Roebuck**, T.M., Mattson, S.N., Riley, E.P. (1999). Behavioral and psychosocial profiles of alcohol-exposed children. Alcoholism: Clinical and Experimental Research, 23(6), 1070-1076.
32. **Roebuck**, T.M., Simmons, R.W., Richardson, C., Mattson, S. N., & Riley, E.P. (1998). Neuromuscular responses to disturbance of balance in children with prenatal exposure to alcohol. Alcoholism: Clinical and Experimental Research, 22(9), 1992-1997.
33. **Roebuck**, T.M., Simmons, R.W., Mattson, S.N., & Riley, E.P. (1998). Prenatal exposure to alcohol affects the ability to maintain postural balance. Alcoholism: Clinical and Experimental Research, 22(1), 252-258.
34. **Roebuck**, T.M., Mattson, S.N., & Riley, E.P. (1998). A review of the neuroanatomical findings in children with fetal alcohol syndrome or prenatal exposure to alcohol. Alcoholism: Clinical and Experimental Research, 22(2), 339-344.
35. Caroselli, J.S., Hiscock, M., & **Roebuck**, T. (1997). Asymmetric interference between concurrent tasks: An evaluation of competing explanatory models. Neuropsychologia, 35(4), 457-469.
36. Caroselli, J.S., Hiscock, M., & **Roebuck**, T. (1997). Webster's scattergram method: Usefulness for assessing the asymmetry of interference between concurrent tasks. Journal of Clinical & Experimental Neuropsychology, 19(2), 185-190.
37. Pearson, D. A., Santos, C.W., Roache, J.D., Loveland, K.A., Casat, C.D., Farwell, E.C., **Roebuck**, T.M., Lachar, D. (1996). Effects of methylphenidate on behavioral adjustment in children with mental retardation and ADHD: Preliminary findings from a study in progress. Journal of Developmental and Physical Disabilities, 8(4), 313-333.

BOOK CHAPTERS

1. **Roebuck-Spencer**, T.M., Sander, A.M., & Wilde, L. (in press). Substance Abuse and Traumatic Brain Injury. In D.N. Allen & S.P. Woods (Eds.), Neuropsychological aspects of substance use disorders: Evidence-based perspectives. New York: Oxford University Press.
2. **Roebuck-Spencer**, T.M. & Cernich, A.N. (in press). Epidemiology and societal impact of traumatic brain injury. Handbook on the Neuropsychology of Traumatic Brain Injury. Sherer, M. & Sander, A. (Eds). Springer.
3. **Roebuck-Spencer**, T.M. & Sherer, M. (2011). Moderate and Severe Traumatic Brain Injury. Forensic Neuropsychology: A Scientific Approach, Second Edition. Glenn Larabee (Ed.), Oxford University Press.
4. **Roebuck-Spencer**, T.M. (2010). Moderate to Severe Traumatic Brain Injury. Casebook of Clinical Neuropsychology. Joel E. Morgan, Ida Sue Baron, and Joseph H. Ricker (Eds.), Oxford University Press. pgs. 213-223.
5. **Roebuck-Spencer**, T.M., Banos, J., Sherer, M., & Novack, T. (2010). Neurobehavioral Aspects of Traumatic Brain Injury Sustained in Adulthood. Principles and Practice of Lifespan Developmental Neuropsychology. Jacobus Donders and Scott Hunter (Eds.), Cambridge University Press. pgs. 329-344.
6. **Roebuck-Spencer**, T.M. (2010). Changes in Behavior and Emotion after Brain Injury. Managing Brain Injury: A Guide to Living Well with Brain Injury. Michael R. Yochelson, and Penny Wolfe (Eds.), ABI Professional Publications, St. Petersburg, FL.
7. **Roebuck-Spencer**, T.M. & Richardson, J. (2010). Effects of Brain Injury on Family, Social Roles and Caregiver Issues. Managing Brain Injury: A Guide to Living Well with Brain Injury. Michael R. Yochelson, and Penny Wolfe (Eds.), ABI Professional Publications, St. Petersburg, FL
8. **Roebuck-Spencer**, T.M. & Sherer, M. (2008). Moderate and severe traumatic brain injury. Textbook of Clinical Neuropsychology. Joel E. Morgan and Joseph H. Ricker (Eds.), Taylor & Francis Group: New York, NY. pgs. 411-429.
9. **Roebuck**, T.M., Mattson, S.N., & Riley, E.P. (1999). Prenatal alcohol exposure: Effects on brain structure and neuropsychological functioning. Alcohol and Alcoholism: Effects on Brain and Development, J.H. Hannigan, L. P. Spear, N.E. Spear, & C.G. Goodlett (Eds.), Lawrence Erlbaum: Mahwah, NJ.

OTHER PUBLICATIONS

1. Neuropsychology Guidelines Workgroup. (in preparation). Evidence-based Guidelines for Neuropsychological Assessment and Consultation.
2. Joint Committee on Interprofessional Relations Between the American Speech-Language-Hearing Association and Division 40 (Clinical Neuropsychology) of the American Psychological Association. (2007). *Structure and Function of an Interdisciplinary Team for Persons With Acquired Brain Injury*.

INVITED PRESENTATIONS

1. **Roebuck-Spencer**, T.M., & Sherer, M. (2011) Predicting outcome after TBI: Translating Empirical Findings into Clinical Practice. Symposium presented at the National Academy of Neuropsychology Conference, Marco Island, FL.
2. Gilliland, K., **Roebuck-Spencer**, T., & Vincent, A.S. (2010). Mild Traumatic Brain Injury Assessment: Sports Medicine Applications. Presented at the Central Oklahoma Athletic Directors meeting March 24, 2010, Norman, OK.
3. **Roebuck-Spencer**, T., Gilliland, K. & Vincent, A.S. (2009). Post Deployment Cognitive Testing in the US Military. Presented at a roundtable meeting on state of computerized cognitive testing in Toronto, December 2009.
4. **Roebuck-Spencer**, T., Vincent, A.S., & Gilliland, K. (2010). Pre- and Post-Deployment Cognitive Testing in the US Military. Presented at Walter Reed Army Institute of Research meeting January, 2010.
5. Vincent, A.S., **Roebuck-Spencer**, T., & Gilliland, K. (2010). Development of an Embedded Measure of Effort for ANAM4. Presented at Walter Reed Army Institute of Research meeting January, 2010.

CONFERENCE PRESENTATIONS

1. Austin, B., Morgan, J., **Roebuck-Spencer**, T., & Wynkoop, T. (2012) Advanced Reimbursement Issues – 2012 Update: Professional Affairs and Information Committee (PAIC). Symposium presented at the National Academy of Neuropsychology Conference, Nashville, TN.
2. Postal, K., Puente, A., & Raisin-Waters, D. (**Roebuck-Spencer**, T. & Wynkoop, T – moderators) (2012) Healthcare Reform and Implications for Neuropsychology. Special Topics session presented at the National Academy of Neuropsychology Conference, Nashville, TN.
3. **Roebuck-Spencer**, T.M., Austin, B. & Richards, P. (2011). Advanced Reimbursement Issues: Symposium from the Professional Affairs and Information Committee. Symposium presented at the National Academy of Neuropsychology Conference, Marco Island, FL.
4. Vincent, A.S. & **Roebuck-Spencer**, T.M. (2011). ANAM4: Application to TBI assessment and management in the military. Test focused workshop presented at the National Academy of Neuropsychology Conference, Marco Island, FL.
5. Puente, A.E., Richards, P.M., Austin, B., & **Roebuck-Spencer**, T. (2010). Recent Development on Policy Issues and Their Effect on the Practice of Neuropsychology: Updates from the Professional Affairs and Information Committee. Symposium presented at the National Academy of Neuropsychology Conference, Vancouver.
6. Bleiberg, J., Reeves, D., Kane, R., Cernich, A. N., & **Roebuck-Spencer**, T. M. (2003). Neuropsychology as a Public Health Intervention. Presentation at the American Psychological Association, Toronto, CA.

WORKSHOPS

1. **Roebuck-Spencer**, T., Vincent, A.S., & Gilliland, K. (2010). Traumatic Brain Injury: Overview and Issues. Presented at Norman High School In-Service August 4, 2010, Norman, OK.
2. Vincent, A.S., **Roebuck-Spencer**, T., & Gilliland, K. (2010). ANAM4 Sports – Computerized Assessment of Cognition in Sports: Administration and Interpretation of ANAM4 Sports. Training workshop presented July 24, 2010 at C-SHOP.
3. **Roebuck-Spencer**, T. (2010). Clinical Overview of ANAM. Training workshop presented July 24, 2010 by the Center for the Study of Human Operator Performance (C-SHOP).
4. **Roebuck-Spencer**, T., (2009). Non-Cognitive Factors that May Influence Neuropsychological Test Performance. Presented at Department of Defense (DoD) Neurocognitive Assessment Tool (NCAT) Training Workshop August 27-28, 2009 at Norman, OK.

RESEARCH SUPPORT/ACTIVITIES

CURRENT:

7/1/2012 to 6/30/2015

Telehealth Cognitive Assessment for Rural Oklahomans

Oklahoma Health Research Program; Oklahoma Center for the Advancement of Science and Technology

Aims: Expand and enhance an existing computerized cognitive assessment technology, the Automated Neuropsychological Assessment Metrics (ANAM), to facilitate its use as an internet-delivered cognitive assessment and monitoring tool for the assessment of sports-related concussion for Oklahoma student athletes.

Role: Co-PI (10% FTE)

PREVIOUS:

2008 – 2011

Remotely Delivered Neuropsychological Intervention for Patients with Traumatic Brain Injury Following Discharge from Rehabilitation

Department of Defense, U.S. Army Medical Research and Materiel Command

National Rehabilitation Hospital

Aims: Develop and test a telemedicine delivery of a brief neuropsychological intervention to improve functional outcome following moderate to severe traumatic brain injury.

Original Role: Principal Investigator but had to transition to consultant due to move to a new state and institution

2005 – 2009

Functional Magnetic Resonance Imaging and Diffusion Tensor Imaging In Children with Mild Traumatic Brain Injury

Medstar Research Institute Intramural Grant Award

Aims: Characterize brain activation patterns and micro-disruptions in white matter pathways in the brains of children who have recently suffered a mild traumatic brain injury and to determine associations between these neuroimaging measures and cognitive and behavioral testing.

Role: Principal Investigator

2005 – 2008

Development and Evaluation of the TeleCog System for Remote Monitoring of Cognitive and Neurobehavioral Dysfunction

Department of Defense, U.S. Army Medical Research and Materiel Command

National Rehabilitation Hospital

Aims: Develop and field test a computerized, web-enabled neuropsychological battery of tests to remotely assess the effectiveness of psychotropic medications in patients with traumatic brain injury.

Role: Principal Investigator

2004 – 2008

Development and Clinical Validation of a Children's Version of the Automated Neuropsychological Assessment Metrics (ANAM)

Department of Defense, U.S. Army Medical Research and Materiel Command

Intramural Grant from Neuroscience Research Center, National Rehabilitation Hospital

Aims: Develop, validate, and collect normative data for a computerized testing system designed for tracking subtle cognitive change in pediatric populations secondary to neurological disease progression and pharmaceutical intervention.

Role: Principal Investigator