

CURRICULUM VITAE

Personal Information

Name: Tim Conway
Citizenship: U.S.A.
Office Address: Brain Rehabilitation Research Center
Malcolm Randall VA Medical Center, 151A
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Education

B.A. 1989 Psychology, Union Institute, Cincinnati, Ohio

Internship 1998 Clinical Psychology/Neuropsychology, University of Missouri Health Sciences Consortium (Department of Physical Medicine and Rehabilitation at the University of Missouri-Columbia, Howard A. Rusk Rehabilitation Center, and Harry S. Truman VAMC)
APA Full Accreditation and APA Division 40/International Neuropsychological Society guideline compliant for internship training in neuropsychology.

Ph.D. 2003 Clinical Psychology, University of Florida, Department of Clinical and Health Psychology; APA Full Accreditation
Area of Concentration: Child and Adult Neuropsychology

Appointments and Professional Work Experience

1986-87 Clinician, Lindamood-Bell Learning Processes, San Luis Obispo, CA
1986-87 Speech Aide, Atascadero State Mental Hospital, Atascadero, CA
1986-87 Neurorehabilitation Assistant, Center for Neurobehavioral Rehabilitation, San Luis Obispo, CA
1987-88 Director's Assistant and Clinician, Chance Program, Graceland University, Lamoni, IA
1988-89 Neurorehabilitation Assistant, Center for Neurobehavioral Rehabilitation, San Luis Obispo, CA
1988-89 Clinician, Lindamood-Bell Learning Processes, San Luis Obispo, CA
1989-93 Supervisory Clinician, The Morris Center, Gainesville, FL
1993-98 Clinical Consultant, The Morris Center, Gainesville, FL
1993-98 Research Assistant, Department of Psychology, Florida State University, Tallahassee, FL and Department of Clinical and Health Psychology, University of Florida, Gainesville, FL
1997 Consultant, Maureen Lovett's Learning Disabilities Research Program, The Hospital for Sick Children, University of Toronto, Canada

- 1999-2001 Clinical Consultant, The Morris Center, Gainesville, FL
- 1999-2005 Literacy Consultant, Einstein Montessori School, Inc., Gainesville, FL
- 2001-2003 Project Manager, Neuroimaging core, Brain Rehabilitation Research Center at the Malcolm Randall VA Medical Center, Gainesville, FL
- 2002-present Literacy Consultant, Dyslexia Association, Trinidad, West Indies
- 2002-present Literacy Consultant, Einstein Montessori School Inc. Cocoa, FL
- 2003-2005 Associate Investigator/Post-doctoral Fellow, Brain Rehabilitation Research Center (BRRC), Malcolm Randall VA Medical Center, Gainesville, FL
- 2003-present Research Assistant Professor, Department of Clinical and Health Psychology, University of Florida, Gainesville, FL
www.phhp.ufl.edu/neuropsych/facres/facprofiles/Conway.html
www.chp.phhp.ufl.edu
- 2004-present Research Assistant Professor, Division of Neurology, Department of Pediatrics, College of Medicine, University of Florida, Gainesville, FL
- 2005-present Corporate Manager, Einstein Montessori School, Inc. Gainesville, FL
www.einsteinmontessori.com
- 2005-present Investigator, Brain Rehabilitation Research Center (BRRC), Malcolm Randall VA Medical Center, Gainesville, FL
www.vard.org/brrc/index.html www.birc.phhp.ufl.edu/
- 2005-present Clinical Neuropsychologist, Department of Neurology, Malcom Randall VAMC, Gainesville, FL
www1.va.gov/directory/guide/facility.asp?ID=54&dnum=ALL

Invited Paper Presentations:

Conway, T. W. (1996, December). *Treatment of acquired and developmental alexia*. Paper presented at Florida Society of Neurology's 22nd Annual Course in Behavioral Neurology, Orlando, FL.

Conway, T. W. (1997, September). *Phonological awareness: significance, measurement, and relevance to treatment*. Paper presented at the annual meeting of the Orton Dyslexia Society, Florida Branch, Miami, FL.

Conway, T. W. (1998, May). *Changes in language abilities following training in phonological awareness*. Paper presented at the Lindamood-Bell Research and Training Network Conference, Washington, D.C.

Conway, T. W. (1998, May). *Functional brain imaging: An overview and case study*. Paper presented at the annual Lindamood-Bell Research and Training Network Conference, Washington, D.C.

Conway, T. W. (2000, December). *Treatment of language based reading problems in children and adults: The Lindamood™ Method*. Paper presented at Florida Society of Neurology's 26th Annual Course in Behavioral Neurology, Orlando, FL.

- Alexander, A. W., and **Conway**, T.W. (2002, December). *Assessment of Developmental Dyslexia*. Paper presented at Florida Society of Neurology's 28th Annual Course in Behavioral Neurology, Orlando, FL.
- Conway**, T. (2005, October). *Neuroimaging and the diagnosis and treatment of speech and language disorders*. Paper presented at the Jacksonville Area Speech Pathology Association's 7th Annual Institute on Stages of Life: Medical Speech-Language Pathology, Jacksonville, FL.
- Crosson, B.C., **Conway**, T. W., Moore, A. B., McGregor, K., White, K. D., Wierenga, C. E., Gaiefsky, M. E., Benjamin, M., Chang, Y., Gopinath, K.S., Briggs, R. W. (May, 2006). *Differential Neural Substrates and Treatment Response in Aphasia*, Clinical Aphasiology Conference, Ghent, Belgium.
- Conway**, T.W. (2006, December). *Treatment of Developmental Dyslexia*. Paper to be presented at the Florida Society of Neurology's 32nd Annual Course in Behavioral Neurology, Orlando, FL.

Publications

1. Refereed Articles

- Conway**, T. W., Heilman, P., Gonzalez-Rothi, L., Alexander, A. W., Adair, J., Crosson, B., Heilman, K. M. (1998). Treatment of a case of phonological alexia with agraphia using the Auditory Discrimination in Depth (ADD) program. *Journal of the International Neuropsychological Society*, 4, 608-620.
- Torgesen, J. K., Wagner, R. K., Rashotte, C. A., Alexander, A. W., **Conway**, T. W. (1998). Preventive and remedial interventions for children with severe reading disabilities. *Learning Disabilities, An Interdisciplinary Journal*, 8 (1), 51-61.
- Torgesen, J. K., Wagner, R. K., Rashotte, C. A., Rose, E., Lindamood, P. C., **Conway**, T. (1999). Preventing reading failure in young children with phonological processing disabilities: Group and individual responses to instruction. *Journal of Educational Psychology*, 91(4), 579-593.
- Adair, J. C., Nadeau, S. E., **Conway**, T. W., Gonzalez-Rothi, L. J., Heilman, P. C., Green, I. A., Heilman, K. M. (2000). Alterations in the functional anatomy of reading induced by rehabilitation of an alexic patient. *Neuropsychiatry, Neuropsychology and Behavioral Neurology*, 13(4), 303-11.
- Torgesen, J. K., Alexander, A. W., Wagner, R. K., Rashotte, C. A., Voeller, K. V., & **Conway**, T. (2001). Intensive remedial instruction for children with severe reading disabilities: Immediate and long term effects on spoken language and reading comprehension from two instructional approaches. *Journal of Learning Disabilities*, 34, 33-58.

- Warner, T. D., Dede, D. E., Garvan, C. W., & **Conway**, T. W. (2002). One size still does not fit all in specific learning disability assessment across ethnic groups. *Journal of Learning Disabilities*, 35(6), 500-509.
- Kendall, D. L., **Conway**, T., Rosenbeck, J., and Gonzalez-Rothi, L. (2003). Phonological rehabilitation of acquired phonologic alexia. *Aphasiology*, 17(11), 1073 – 1095.
- Coombes, S. A., Janelle, C. M., Duley, A. R., & **Conway**, T. (2005) Adults with dyslexia: theta power changes during performance of a novel motor task. *International Journal of Psychophysiology*, 56, 1-14.
- Crosson, B., Moore, B., Gopinath, K., White, K.D., Wierenga, C., Gaiefsky, M., Fabrizio, K. R., Peck, K. K., Soltysik, D., Milstead, C., Briggs, R., **Conway**, T., Gonzalez-Rothi, L. (2005). Role of the Right and Left Hemispheres in Recovery of Function during Treatment of Intention in Aphasia. *Journal of Cognitive Neuroscience*, 17(3), 392-406.
- Kendall, D. L., Nadeau, S. E., **Conway**, T., Fuller, R. H., Riestra, A., Gonzalez Rothi, L. J. (2006). Treatability of Different Components of Aphasia — Insights from a Case Study. *Journal of Rehabilitation Research and Development*, 43, 323-336.
- Kendall, D. L. Rodriguez, A. D., **Conway**, T., Rosenbek, J. C., Gonzalez-Rothi, L. (2006). Influence of Intensive Phonomotor Rehabilitation on Apraxia of Speech. *Journal of Rehabilitation Research and Development*, 43, 409-418.

2. Articles In Press, Submitted, or in Preparation

- Raymer, A. M., Beeson, P., Holland, A., Kendall, D. Maher, L. M., Martin, N., Murray, L., Rose, M., Thompson, C. K., Turkstra, L., Altmann, L., Boyle, M., **Conway**, T., Hula, W., Kearns, K., Rapp, B., Simmons-Mackie, N., Gonzalez Rothi, L. Translational Research in Aphasia: From Neuroscience to Neurorehabilitation. *Journal of Speech, Language and Hearing Research*. Manuscript accepted for publication.
- Wierenga, C. E., Benjamin, M., Gopinath, K., Perlstein, W. M., Leonard, C. M., Gonzalez-Rothi, L. J., **Conway**, T., Cato. M. A., Briggs, R., Crosson, B. A. Age-related changes in word retrieval: role of bilateral frontal and subcortical networks. *Neurobiology of Aging*, Manuscript accepted for publication.
- Kendall, D. L., Rosenbek, J. C., Heilman, K. M., **Conway**, T. W., Klenberg, K., Gonzalez-Rothi, L. J., Nadeau, S. E. (2006). *Phoneme-based Rehabilitation of Anomia in Aphasia*. Manuscript submitted for publication.
- Conway**, T., Heilman, K. M., Gopinath, K., Peck, K., Briggs, R., Torgesen, J. K., Bauer, R., Crosson, B. C. (2006). *Neural Mechanisms of Phoneme Segmentation and Phonological Working Memory in Dyslexia: Is Comparator Function impaired?* Manuscript submitted for publication.

Zhao, Q., **Conway**, T. W., White, K. D. McGregor, K., Ford, A., and Crosson, B. A. (2006). *Test-retest Reliability of functional MRI using Smart Phantom*. Manuscript in progress.

Conway, T. Kendall, D. L., Klenberg, K. Nadeau, S. E. (2006). *Phonological Alexia: A Connectionist Model Approach to Rehabilitating Phonological Sequence Knowledge*. Manuscript in progress.

Conway, T. Kendall, D. K., White, K., Gonzalez-Rothi, L.G., Crosson, B.C. (2006). *An fMRI investigation of neural plasticity in aphasia following phono-motor rehabilitation*. Manuscript in progress.

Crosson, B., Moore, A. B., Gopinath, K., White, K. D., Wierenga, C., Gaiefsky, M., Peck, K. K., Briggs, R., **Conway**, T., Gonzalez-Rothi, L. (2005). *Functional MR imaging of overt language production in aphasia: methodological considerations*. Manuscript in progress.

Nadeau, S. E., Kendall, D. L., **Conway**, T., Lindamood, P. C. (2006). *Phonological Awareness: A Unifying Hypothesis A Reply to Castles and Coltheart*. Manuscript in progress.

3. Book Chapters and Book Reviews

Conway, T. W. & Crosson, B. A. (2000). Neuropsychological assessment in rehabilitation. In T. Elliot and R. G. Frank (Eds.), *Handbook of rehabilitation psychology*. Washington, DC: American Psychological Association.

Moore, A. B., & **Conway**, T. C. (2004). Speaking Clearly: Reviewing Aphasia From Assessment to Treatment. *Journal of the International Neuropsychological Society*, 10, 1022-1024.

Conway, T. W. (2006). Facilitating International Efforts for Dyslexia: A review of Dyslexia in Context: Research, Policy and Practice, (Eds) G. Reid and A. Fawcett. *Dyslexia: An International Journal of Research and Practice*, 12(2), 150-154.

4. Professional Meetings – Papers and Abstracts

Conway, T. W., Kurtz, D. M. (1990, October). *Remediating learning disabilities or how to empty the SLD classroom*. Paper presented at the annual meeting of the Florida Association of School Psychologists, Ft. Lauderdale, FL.

Kurtz, D. M., **Conway**, T. W. (1992, October). *Successful remediation of dyslexic conditions in adults using Lindamood and Visualizing and Verbalizing techniques*. Paper presented at the annual meeting of the Orton Dyslexia Society, Florida Branch, Orlando, FL.

- Conway, T. W., Kurtz, D. M.** (1993, January). *Successful remediation of dyslexic conditions using the Lindamood and Visualizing and Verbalizing techniques: lecture, demonstration, and audience participation*. Paper presented at the annual meeting of the Florida Association of Children and Adults with Learning Disabilities, Orlando Branch, Orlando, FL.
- Conway, T. W., Heilman, P., Gonzalez-Rothi, L., Alexander, A. W., Adair, J., Heilman, K. M., Crosson, B.** (1996, February). *Remediating acquired phonological alexia*. Poster presented at the annual meeting of the International Neuropsychological Society, Chicago, IL.
- Conway, T. W., Heilman, P., Gonzalez-Rothi, L., Alexander, A. W., Adair, J., Heilman, K. M., Crosson, B.** (1996, March). *Remediating acquired phonological alexia*. Paper presented at the Lindamood-Bell Research and Training Network Conference, San Francisco, CA.
- Conway, T. W., Heilman, P., Gonzalez-Rothi, L., Alexander, A. W., Adair, J., Heilman, K. M., Crosson, B.** (1996, June). *Remediating acquired phonological alexia*. Poster presented at the annual meeting of Florida Psychological Association, Palm Beach, FL.
- Adair, J. C., Nadeau, S. E., **Conway, T. W., Gonzalez-Rothi, L. J., Heilman, P., Green, I. A., Heilman, K. M.** (1998, February). *Change in functional neuroanatomy after successful treatment of phonological alexia*. Paper presented at the 26th annual meeting of the International Neuropsychological Society, Honolulu, Hawaii.
- Lane, H. B., Dede, D., **Conway, T. W., Zeigert, C., Moriarty, T.** (1998, March). *Student-athletes with learning disabilities in a university setting: assessment and treatment issues*. Paper presented at the International Conference of the Learning Disabilities Association, Washington, D.C.
- Conway, T. W.** (1999, March). *Theory Based Treatment of Acquired Phonological Alexia: Outcome data and SPECT findings*. Paper presented at the University of Missouri, Department of Physical Medicine and Rehabilitation, Neuropsychology Division's Neuropsychology Research Meeting, Columbia, Missouri.
- Duckworth, TD, Dede, DE, Garvan, CW, **Conway, T & Lane, HB.** (1999, February). *Does one size fit all?: IQ cutoff scores & the simple difference method for assessing adult learning disabilities across racial groups*. Paper presented at the International Conference of the Learning Disabilities Association, Atlanta, Georgia.
- Conway, T. W. & Gisi, T.** (1999, May). *Measuring phonological processing*. Paper presented at the University of Missouri, Department of Physical Medicine and Rehabilitation, Neuropsychology Division's Neuropsychology Research Meeting, Columbia, Missouri.
- Duckworth, TD, Dede, DE, Garvan, CW, **Conway, T & Lane, HB.** (1999, June). *Does one size fit all?: IQ cutoff scores & the simple difference method for assessing adult learning disabilities across racial groups*. Paper presented at the annual meeting of the International Neuropsychological Society, Durban, South Africa.

- Conway, T. W.** (2000, February). *Phonological processing and central auditory processing disorder: differences in clinical presentation*. Paper presented at University of Florida's Behavioral Neurology mini-meeting, Winter Park, CO.
- Kendall, D., **Conway, T.**, Rosenbek, J. , & Gonzalez Rothi , L. (2001, February). *Phonological treatment for aphasia and apraxia of speech*. Third Veteran's Administration Rehabilitation Research and Development Conference, Washington, DC.
- Gopinath, K., Peck, K.K., **Conway, T.W.**, and Briggs, R. W. (2002, May). *Increase in nonlinearity of the BOLD response along a functionally connected neural pathway*. Tenth Scientific Meeting and Exhibition of the International Society for Magnetic Resonance in Medicine, Honolulu, Hawaii.
- Kendall, D. **Conway, T.**, Rosenbek, J., Gonzalez Rothi, L., (2002). Rehabilitation of Phonological Processing in Chronic Aphasia. *Journal of the International Neuropsychological Society*, 8 (2).
- Coombes S, Janelle CM, Duley A, **Conway T.** (2003). Adults with dyslexia: Theta power changes during performance of a sequential motor task. *Journal of sport & exercise psychology*, 25(S45-S46 Suppl).
- Kendall, D., **Conway, T.**, Rosenbek, J., Gonzalez-Rothi, L. (2003, June). *Phonological Rehabilitation of Acquired Phonologic Alexia*. Clinical Aphasiology Conference, Orcas Island, Washington.
- Moncrieff, D., Briggs, R., Gopinath, K., Schmalfuss, I., Peacock, J., Byrd, D., **Conway, T.**, Musiek, F., (2003, June). *fMRI activation differences in children with dichotic words*. Human Brain Mapping, New York, New York.
- Kendall, D., **Conway, T.**, Rodriquez, A., Rosenbek, J.C. Gonzalez Rothi, L.J. (2004, March). *The Influence of Intensive Phonologic Rehabilitation on Phono-Motor Characteristics*. Motor Speech Disorders Conference, Santa Fe, NM.
- Gopinath, K., Peck, K., **Conway, T.**, Briggs, R. (2004, May). *Increase in Refractoriness of the BOLD Response Along a Functionally Connected Neural Pathway*. Twelvth Scientific Meeting and Exhibition of the International Society for Magnetic Resonance in Medicine, Kyoto, Japan.
- Klenberg, K. Kendall, K. D., **Conway, T. W.**, Frakey, L., Leon, S., Rodriguez, A., et al. (2004, May). *Phonological rehabilitation of anomia in fluent aphasia: A case study*. Florida Association of Speech-Language Pathologists & Audiologists, Orlando, FL.
- Wabnitz, A, Jasper, B. W., Moore, A. B., Crosson, B., McGregor, K., Gopinath, K., Wierenga, C. E., Gaiefsky, M. E., Peck, K. K., Briggs, R. W., **Conway, T. W.**, Gonzalez Rothi, L. J., White, K. D. (2005, February). *fMRI Reveals Subcortical Activations That Bridge The Stimulus-Response Interval During Word Generation By Nonfluent Aphasics*. International Neuropsychological Society, St. Louis, MO.

- Wierenga, C. E., Perlstein, W., Benjamin, M., Leonard, T., Gonzalez Rothi, L.J., **Conway, T.**, Cato, M.A., Gopinath, K., Briggs, R.W., Crosson, B. (2005, February). *Age-Related Changes in Word Retrieval: Frontal-Executive vs. Temporal-Semantic Substrates*. International Neuropsychological Society, St. Louis, MO.
- Gopinath, K., Wierenga, C., Crosson, B., **Conway, T.**, Briggs, R. (May, 2005). *Age related differences in the bold post-stimulus Undershoot*. Thirteenth Scientific Meeting and Exhibition of the International Society for Magnetic Resonance in Medicine, Miami Beach, FL.
- Slinger, A. M., Craggs, J., **Conway, T.**, Alexander, A. W. (May, 2005). *Phonological Awareness (PA) Predicts Verbal Working Memory (VWM) and Reading Ability (RA) in Children with Developmental Dyslexia (DD)*. Pediatric Academic Societies, Washington, DC.
- Orynich, C. A., Perez, T., Wabnitz, A., Crosson, B., Moore, A.B., McGregor, K., Gopinath, K., Wierenga, C.E., Gaiefsky, M., Peck, K., Briggs, R., **Conway, T.**, Gonzalez Rothi, L.J., White, K. (February, 2006). *Time Courses of fMRI Activations Spanning The Stimulus-Response Interval During Word Generation By Nonfluent Aphasics*. International Neuropsychological Society (INS), Boston, MA.
- Chang, Y. L., **Conway, T.**, Kendall, D., McGregor, K., Gopinath, K., Peck, K. K., Benjamin, M., Kurtzman, M., Wabnitz, A., Perez, T., Gonzalez Rothi, L.J., White, K.D., Crosson, B. (February, 2006). *BOLD fMRI reveals neural reorganization of overt pseudoword repetition following phonological-motor treatment of phonological alexia in nonfluent aphasia*. International Neuropsychological Society (INS), Boston, MA.
- Qun, Z., White, K. D., **Conway, T. W.**, (May, 2006). *Test Retest Reliability of fMRI using SmartPhantom*. Fourteenth Scientific Meeting and Exhibition of the International Society for Magnetic Resonance in Medicine, Seattle, WA.
- Li, Y., Cheng, H., Zhao, Q., Limkeman, M., **Conway, T.**, White, K., Gao, J., Crosson, B. (May, 2006). *Characterization and Suppression of System Noises Due to Scanner Instability in fMRI using SMART PHANTOM*. Fourteenth Scientific Meeting and Exhibition of the International Society for Magnetic Resonance in Medicine, Seattle, WA.
- Kendall, D., Rosenbek, J., Heilman, K. M., **Conway, T. W.**, Klenberg, K., Gonzalez-Rothi, L., Nadeau, S. (May, 2006). *Phonologic Rehabilitation of Anomia in Aphasia* Clinical Aphasiology Conference, Ghent, Belgium.
- Conway, T. W.**, Alexander, A. W., Lawyer, S. L. (November, 2006). *Effectiveness of Two Intensive Phonological Interventions on the Oral Language Functions of Severe Dyslexics: Research and a Developmental Theory of Language* 57th Annual Conference of The International Dyslexia Association. Indianapolis, IN
- Alexander, A. W., **Conway, T. W.**, Lawyer, J. *The Pictures of Dyslexia*. (November, 2006). 57th Annual Conference of The International Dyslexia Association. Indianapolis, IN

Watson, W., **Conway**, T., & Heaton, S.C. (2007, February). *Prediction of Performance on "High Stakes" Measures of Reading Comprehension*. Presented at the International Neuropsychological Society Annual Meeting, Portland, OR.

McCann, S., **Conway**, T., Slinger, A.M., Alexander, A., Torgesen, J. (2007, February). *Does phonological intervention improve reading comprehension in children with developmental dyslexia?*. Presented at the International Neuropsychological Society Annual Meeting, Portland, OR.

Awards, Grants, Professional Affiliations and Activities:

Awards

- 1998 Donald D. Hammill Foundation Dissertation Research Scholarship
1998 Robert and Phyllis Levitt Excellence in Neuropsychology Research Award, Dept. of Clinical and Health Psychology, University of Florida.
1998 American Psychological Foundation Manfred Meier Scholarship

Grants

- 2003-2005 Associate Investigator, Career Development Award, “fMRI in Aphasia,” Division of Research, Rehabilitation and Development, Veteran’s Administration.
2005-2008 Investigator, Career Development Award, “Reliability & Variability of Repeated fMRI of Language in Aphasic Adults,” Division of Research, Rehabilitation and Development, Veteran’s Administration.

Professional Affiliations

International Neuropsychological Society
American Psychological Association, Division 40
International Dyslexia Association
Florida Psychological Association
Center for Neuropsychological Studies at the University of Florida
Florida Interdisciplinary Effort for Learning Disabilities (FIELD)