

## CURRICULUM VITAE

**Bruce A. Crosson, Ph.D., ABPP/ABCN**

**Address:** Brain Rehabilitation Research Center (151-A)  
Malcom Randall VA Medical Center  
1601 SW Archer Rd.  
Gainesville, Florida 32608-1197

### **Education:**

May 1972 B.A. - Political Science (Summa Cum Laude)  
Minors: Psychology and Russian  
Southern Methodist University

May 1974 M.A. - Psychology  
Southern Methodist University

August 1978 Ph.D. - Psychology  
Minor: Neuroscience  
Texas Tech University

September 1977 - Clinical Psychology Internship  
September 1978 St. Louis Veterans Administration Medical Center

**Licensure:** Licensed Psychologist, State of Florida, License No. PY 4202

**National Register:** Registrant #25212, National Register of Health Service Providers in Psychology

**Board Certification:** Diplomate in Clinical Neuropsychology  
American Board of Professional Psychology, Diploma #3795

### **Professional Experience:**

1994-present Professor of Clinical & Health Psychology (tenured)  
University of Florida

2004-present Research Career Scientist  
Brain Rehabilitation Research Center, Malcom Randall VA Medical Center

2004-present Honorary Professor, School of Health and Rehabilitation Sciences  
University of Queensland, Brisbane, Australia

1999-2004 Research Psychologist  
Brain Rehabilitation Research Center, Malcom Randall VA Medical Center

- 1995 Visiting Professor, Department of Neurology (Section of Neuropsychology),  
Medical College of Wisconsin, Milwaukee, Wisconsin
- 1989-1994 Associate Professor of Clinical & Health Psychology  
University of Florida
- 1985-1989 Research Associate Professor of Neurology, Psychiatry, and Psychology  
Washington University Medical Center, St. Louis, Missouri
- 1985-1989 Director, Head Injury Resource Center at Irene Walter Johnson  
Rehabilitation Institute  
Washington University Medical Center, St. Louis, Missouri
- 1985-1989 Research Assistant Professor of Neurology, Psychiatry, and Psychology  
Washington University Medical Center, St. Louis, Missouri
- 1983-1985 Director, Clinical Neuropsychology  
Veterans Administration Medical Center, Oklahoma City, Oklahoma
- 1983-1985 Assistant Professor of Psychiatry and Behavioral Sciences  
University of Oklahoma Health Sciences Center
- 1984-1985 Private Practice, Department of Psychiatry and Behavioral Sciences  
University of Oklahoma Health Sciences Center
- 1978-1983 Director of Neuropsychology Laboratory  
Veterans Administration Medical Center, Leavenworth, Kansas
- 1979-1980 Part-time Instructor  
Kansas City Kansas Community College
- 1983 Clinical Assistant Professor of Neurology  
University of Kansas College of Health Sciences

**Academic Awards and Professional Honors:**

Honorary Professor, School of Health and Rehabilitation Sciences, University of Queensland,  
Brisbane, Australia (January 2005-present)

Research Career Scientist Award, Department of Veterans Affairs Rehabilitation Research and  
Development Service (January 2004-December 2008)

University of Florida Research Foundation Professor (2000-2003)

Faculty Research Award for the College of Health Related Professions at the University of Florida  
(1999)

Faculty Research Award for the College of Health Related Professions at the University of Florida (1997)

Fellow, American Psychological Association, Division of Clinical Neuropsychology (1994)

Hugh C. Davis Award for Excellence in Clinical Supervision, Department of Clinical and Health Psychology at the University of Florida (1992)

Faculty Research Award for the College of Health Related Professions at the University of Florida (1991)

Hugh C. Davis Award for Excellence in Clinical Supervision, Department of Clinical and Health Psychology at the University of Florida (1991)

Superior Performance Award, Oklahoma City Veterans Administration Medical Center (1985)

Superior Performance Award, Oklahoma City Veterans Administration Medical Center (1984)

NIDRR Rehabilitation Training Grant Stipend, Texas Tech University (1974-1976)

University Scholarship, Masters Degree Program, Southern Methodist University (1972-1973)

Ora Arnold Award in Political Science

Phi Beta Kappa (1971)

University Scholarship (1968-1972)

Raigorodsky Russian Scholarship (1971)

**Professional Affiliations:**

International Neuropsychological Society-Member

Cognitive Neuroscience Society-Member

Society for Neuroscience-Member

American Psychological Association-Fellow

Division of Clinical Neuropsychology (Fellow)

Division of Psychotherapy

Division of Rehabilitation Psychology

**Editorial Functions:**

**Critical Reviews and Dialogues Editor**

*Journal of the International Neuropsychological Society* (2004-present)

**Associate Editor**

*Journal of the International Neuropsychological Society* (2001-2004)

**Editorial Boards**

*Neuropsychology* (1993-1996; 2007-present)

*Brain Imaging and Behavior* (2006-present)

*Neuropsychology Review* (2006-present)

*The Clinical Neuropsychologist* (1988-2000)

*Journal of the International Neuropsychological Society* (1998-2000)

**Ad Hoc Reviewer**

*Journal of Clinical and Experimental Neuropsychology*

*The International Journal of Clinical and Experimental Hypnosis*

*Journal of Consulting and Clinical Psychology*

*Journal of Clinical Psychology*

*Psychological Bulletin*

*Archives of Physical Medicine and Rehabilitation*

*The Journal of Nuclear Medicine*

*Assessment*

*Journal of Head Trauma Rehabilitation*

*Brain and Language*

*Brain and Cognition*

*Archives of Clinical Neuropsychology*

*Psychiatry Research*

*Journal of Nervous and Mental Disease*

*Neurocase*

*Journal of Medical Speech-Language Pathology*

*Neuropsychiatry, Neuropsychology, and Behavioral Neurology*

*Journal of Cognitive Neuroscience*

*Neuropsychology*

*Brain*

*Journal of Neurology, Neurosurgery, and Psychiatry*

*NeuroImage*

*American Journal of Physical Medicine and Rehabilitation*

*Cognitive Brain Research*

*Cognitive and Behavioral Neurology*

*Annals of Neurology*

*Behavioural Neurology*

*Journal of Neurolinguistics*

*Cortex*

*Human Brain Mapping*

*Neuropsychologia*

*Cerebral Cortex*

*BMC Neurology*

**Grant Review Activities:**

Ad Hoc Member, Communication/SLP Review Panel, VA Rehabilitation Research and Development Merit Review Panel (August 2005)

Special Emphasis Panel, National Institute of Mental Health, Translational Research Centers in Behavioral Science (April 2002)

Member, VA Merit Review Subcommittee for Mental Health and Behavioral Sciences (1998-2001)

Ad Hoc Member, Integrated Functional Cognitive Neuroscience - 8 Scientific Review Group, National Institutes of Health (June 1998)

University of Florida Division of Sponsored Research Career Development Awards Committee (awards internal grants of up to \$25,000) (1993)

External Reviewer, Canadian Medical Research Council (1993)

Ad Hoc Study Section Member, National Institute on Alcohol Abuse and Alcoholism (1989-1991)

**Committees:**

Local

Mid-tenure Review Committee, University of Florida Department of Clinical and Health Psychology (2007-present)

Executive Committee, Brain Rehabilitation Research Center of Excellence, Malcom Randall VA Medical Center (2001-present)

Chair, Advanced Magnetic Resonance and Spectroscopy Human/Large Animal Task Force (2004)

Coordinator of Functional Neuroimaging Core, Brain Rehabilitation Research Center, Malcolm Randall VA Brain Rehabilitation Research Center (2001-present)

Member, American Board of Clinical Neuropsychology (1996-2001)

Head of Functional Neuroimaging in Rehabilitation, University of Florida College of Health Professions (2000-present)

Associate Chair for Research, University of Florida Department of Clinical & Health Psychology (1997-2000)

Clinical Team Leader, Psychology Clinic, University of Florida Department of Clinical & Health Psychology (1991-1998)

Search Committee for Dean of College of Health Related Professions, University of Florida (1994)

Graduate Admissions Committee, University of Florida Department of Clinical & Health Psychology (1991)

Chair, Billing Forms Committee, University of Florida Department of Clinical & Health Psychology (1990-1991)

Curriculum Committee, University of Florida Department of Clinical & Health Psychology (1989-1992)

National Head Injury Foundation, Family Support Group Leader - St. Louis Bi-State Chapter, 1986-1989

Psychology Internship Selection, Department of Psychiatry and Behavioral Sciences, University of Oklahoma Health Sciences Center (1985)

Search Committee for Psychologist on Alcohol Treatment Unit, Oklahoma City VA Medical Center (1984)

Chairperson, Professional Standards Committee, Leavenworth VA Medical Center

National/International

International Neuropsychological Society, Board of Directors (2002-2005)

American Board of Clinical Neuropsychology, Board of Directors (1996-2001)

Planning Committee for the Houston Conference on Education and Training in Clinical Neuropsychology (1996-1998)

Division of Clinical Neuropsychology of American Psychological Association Chair, Education Committee, Division of Clinical Neuropsychology (1995-1997)

Division of Clinical Neuropsychology of American Psychological Association; Chair of Task Force on Education, Accreditation, and Credentialing (1993-1995)

American Psychological Association Accreditation Site Visitor (1985-1995)

Division of Clinical Neuropsychology Representative and Moderator for Conference: Health Care Reform and Psychological Practice in Health Care Settings, Indianapolis IN, May 6-8, 1994

International Neuropsychological Society, Program Committee for European Meeting (1992)

International Neuropsychological Society, Program Committee for Pacific Rim Meeting (1991)

International Neuropsychological Society, Program Committee for North American Meeting (1988)

Division of Clinical Neuropsychology Program Committee for American Psychological Association Annual Meeting (1987)

**Primary Teaching Activities:**

**Graduate Level Courses Developed and Taught**

Practicum in Clinical Neuropsychology (1989-present)

Subcortical Functions in Cognition (1990-present)

Dynamic Psychotherapy (1996-1997)

Neuropsychological Rehabilitation (1992-1996)

Neuroscience (1993)

**Internship Training**

Clinical Psychology Internship and Postdoctoral Fellowship Supervisor, Department of Clinical & Health Psychology, University of Florida, Neuropsychology Track (1989-2000)

Clinical Psychology Internship and Postdoctoral Fellowship Supervisor, Department of Psychiatry and Behavioral Sciences, University of Oklahoma, Neuropsychology Track (1983-1985)

Clinical Psychology Internship Supervisor, Leavenworth VA Medical Center (1978-1983)

Psycho-diagnostic Case Conference. Monthly case conference conducted for the interns of the Leavenworth V.A. Psychology Service, 1980-1983.

Chair, Internship Seminar Committee, Leavenworth VA Medical Center (1979-1982)

**Doctoral Dissertation and Advisement Committees:***Doctoral Committees Chaired (Number = 12)*

| <u>Student's Name</u>        | <u>Years Trained</u> | <u>Current Position</u>   |
|------------------------------|----------------------|---|
| R. Bruce Parkinson, M.S.     | 1998-2006            | Postdoctoral Fellow, University of Iowa   |
| Katherine S. Richards, M.S.  | 1997-2005            | Psychologist, Birmingham AL<br>VA Medical Center  |
| Christina E. Wierenga, M.S.  | 2000-2005            | Postdoctoral Fellow, Dept. of<br>Psychiatry, Univ. of CA, San Diego   |
| Leeza M. Maron, Ph.D.        | 1995-2003            | Assistant Professor of Psychiatry,<br>Oregon Health Sciences University   |
| Timothy W. Conway, Ph.D.     | 1994-2003            | Assistant Research Scientist, Dept. of<br>Clinical & Health Psychology, Univ. of<br>FL; VA RR&D Career Devel. Award   |
| M. Allison Cato, Ph.D.       | 1996-2002            | Research and Clinical<br>Neuropsychologist, Nemours<br>Children's Clinic, Jacksonville, FL                            |
| Joseph R. Sadek, Ph.D.       | 1994-2000            | Psychologist, VA Medcial Center and<br>Assistant Prof. of Psychiatry,<br>University of New Mexico,<br>Albuquerque, NM |
| Reid L. Skeel, Ph.D.         | 1993-1998            | Associate Professor of Psychology,<br>Central Michigan University   |
| Russell R. Addeo, Ph.D.      | 1992-1995            | Director, Outpatient Head Trauma<br>Rehabilitation, Brooks Rehabilitation<br>Hospital, Jacksonville, FL               |
| Margaret C. Petry, Ph.D.     | 1992-1995            | Private Practice, Coconut Grove, FL   |
| Elena A. Balzac, Ph.D.       | 1991-1993            | Neuropsychologist, Boston Medical<br>Center/Boston University   |
| David J.G. Williamson, Ph.D. | 1990-1992            | Senior Scientific Liason, Ortho-McNeil<br>Pharmaceutical Inc., Clearwater, FL   |

*Doctoral Committees Served on (Member or Co-Chair) (Number = 28)*

| <u>Student's Name</u>                 | <u>Ph.D. Awarded</u> | <u>Field</u>                                     |
|---------------------------------------|----------------------|--|
| Ania Mikos                            | in progress          | Clinical & Health Psychology                     |
| Megan E. Gaiefsky, M.S.<br>(Co-Chair) | 2007                 | Clinical & Health Psychology                     |
| Charles Ellis, M.A.                   | 2005                 | Rehabilitation Science                           |
| Erin J. Pearson, M.S.                 | 2007                 | Communication Sciences & Disorders               |
| Michael A. Cole, M.S.<br>(Co-Chair)   | 2005                 | Clinical & Health Psychology                     |
| Christopher W. Loftis, Ph.D           | 2003                 | Clinical & Health Psychology                     |
| Steven K. Knauts, Ph.D.               | 2003                 | Clinical & Health Psychology                     |
| Carrie R. McDonald,                   | 2003                 | Clinical & Health Psychology                     |
| David Soltysik, Ph.D.                 | 2003                 | Nuclear & Radiological Sciences &<br>Engineering |
| Kaundinya Gopinath, Ph.D.             | 2003                 | Nuclear & Radiological Sciences &<br>Engineering |
| Laura J. Grande, Ph.D.                | 2002                 | Clinical & Health Psychology                     |
| Miles T. Rogish, Ph.D                 | 2002                 | Clinical & Health Psychology                     |
| Angela B. Lane, Ph.D.                 | 2001                 | Clinical & Health Psychology                     |
| Jane P. Mutch, Ph.D.                  | 2001                 | Communication Sciences & Disorders               |
| Jeffrey Anderson, Ph.D.               | 2000                 | Communication Sciences & Disorders               |
| Samuel R. Browd, M.D., Ph.D.          | 2000                 | Neuroscience                                     |
| Sarah R. Kortenkamp, Ph.D.            | 2000                 | Clinical & Health Psychology                     |
| Lisa H. Lu, Ph.D.                     | 2000                 | Clinical & Health Psychology                     |
| Tricia M. Zawacki, Ph.D.              | 2000                 | Clinical & Health Psychology                     |
| Lyana C. Doty, Ph.D.                  | 1999                 | Clinical & Health Psychology                     |

*Doctoral Committees Served on (Member or Co-Chair), continued*

| <u>Student's Name</u>     | <u>Ph.D. Awarded</u> | <u>Field</u>                       |
|---------------------------|----------------------|------------------------------------|
| Randi Lincoln, Ph.D.      | 1999                 | Clinical & Health Psychology       |
| Beth L. Macauley, Ph.D.   | 1998                 | Communication Sciences & Disorders |
| Tara V. Spevak, Ph.D.     | 1997                 | Clinical & Health Psychology       |
| Paula Zuffante, Ph.D.     | 1997                 | Clinical & Health Psychology       |
| Thomas B. Flynn, Ph.D.    | 1996                 | Clinical & Health Psychology       |
| Nina A. Nabors, Ph.D.     | 1994                 | Clinical & Health Psychology       |
| Robert A. Swoap, Ph.D.    | 1992                 | Clinical & Health Psychology       |
| Travis G. White, Ph.D.    | 1992                 | Clinical & Health Psychology       |
| Patricia V. Cooper, Ph.D. | 1986                 | Clinical Psychology                |

**Masters Thesis Committees:**

*Masters Committees Chaired*

| <u>Student's Name</u>       | <u>M.S. Awarded</u> | <u>Field</u>                 |
|-----------------------------|---------------------|------------------------------|
| Ilana F. Levy, M.S.         | 2007                | Clinical & Health Psychology |
| Vonetta M. Dotson, M.S.     | 2002                | Clinical & Health Psychology |
| Christina E. Wierenga, M.S. | 2001                | Clinical & Health Psychology |
| Katherine S. Fabrizio, M.S. | 2000                | Clinical & Health Psychology |
| Hope Anne Benefield, M.S.   | 2000                | Clinical & Health Psychology |
| Cheryl L. Shigaki, M.S.     | 1995                | Clinical & Health Psychology |
| Margaret C. Petry, M.S.     | 1993                | Clinical & Health Psychology |

***Masters Committees Served on (Member)***

| <u>Student's Name</u>  | <u>M.S. Awarded</u> | <u>Field</u>                 |
|------------------------|---------------------|------------------------------|
| Sarah Lageman, M.S.    | 2002                | Clinical & Health Psychology |
| Erin Floyd, M.S.       | 2000                | Clinical & Health Psychology |
| Steven K. Knauts, M.S. | 1995                | Clinical & Health Psychology |
| David Moser, M.S.      | 1995                | Clinical & Health Psychology |
| Karen A. Holler, M.S.  | 1994                | Clinical & Health Psychology |

**Postdoctoral Fellows and Awardees**

| <u>Name</u>               | <u>Years Trained</u> | <u>Current Position</u>  |
|---------------------------|----------------------|--|
| David B. FitzGerald, M.D. | 2006-2008            | Associate Investigator, Gainesville VAMC and Courtesy Assistant Professor of Neurology, Univ. of FL      |
| Tim W. Conway, Ph.D.      | 2002-2004            | Career Development Award, Gainesville VAMC and Assistant Research Scientist, Univ. of FL                 |
| M. Allison Cato, Ph.D.    | 2002-2003            | Research and Clinical Neuropsychologist, Nemours Children's Clinic, Jacksonville, FL                     |
| Anna Bacon Moore, Ph.D.   | 2000-2001            | Research Psychologist, Atlanta VAMC and Assistant Professor of Physical Medicine and Rehab., Emory Univ. |
| Paul J. Moberg, Ph.D.     | 1990-1991            | Associate Professor of Neuropsychology, University of Pennsylvania                                       |

**Grants Awarded:*****Active***

Crosson, B. (PI) Treatment of Intention in Aphasia: Neural Substrates. R01-DC007387: funded through the National Institutes of Health. National Institute on Deafness and Other Communication Disorders. 2006-2009. (\$916,500 direct+indirect costs).

Crosson, B. (PI) Research Career Scientist Award. B6364S. Funded through the Department of Veterans Affairs Rehabilitation Research and Development Service. January, 2004-December 2015 (6/8 FTE).

Rothi, L. J. G. (Center Director). Veterans Affairs RR&D Brain Rehabilitation Center. Funded through the Department of Veterans Affairs Rehabilitation Research and Development Service. 2004-2009 (\$4,000,000 direct costs) 1999-2004 (\$3,700,000 direct costs). Crosson's role: 12% effort as co-investigator (1999-2002); 62% as Coordinator of Imaging Core (2002-2004); (2004-present covered by Research Career Scientist Award).

Wittenberg, G. (PI) (Richards, L.-Site PI) Biological Prediction and Correlation of Response to Robotic Arm Therapy. B4946R. Funded through Department of Veterans Affairs. Biological Prediction and Correlation of Response to Robotic Arm Therapy. 9/1/07-8/30/10. (\$741,500 direct costs). Crosson role, Co-Investigator.

Crosson, B. (PI). Functional Neuroimaging of Memory in Healthy Aging . Project M 47: E. F. McKnight Brain Research Investigator-Initiated Grant Program of the MBI-UF. 7/01/05-6/30/08. (\$250,000 direct costs).

Fernandez, H. H. (PI). Rivastigmine for the Treatment of Visual Hallucinations in Cognitively-Impaired Parkinson Patients: A Double-Blind fMRI Study with an Open-Label Extension. Novartis. 9/1/07-8/30/08. (\$259,115 direct + indirect costs)

Gonzalez Rothi, L. J. (PI). Training in Treatment of Communication Disorders and Translational Neuroscience. Funded through the National Institute on Deafness and Other Communication Disorders. Grant 5-T32-DC008768-02, PI, 07/01/07-06/60/13. Crosson Role: Primary Mentor for postdoctoral fellow.

### ***Completed***

Heilman, K. M. (PI). Cognitive Changes in Presymptomatic Parkinson's Disease. Funded through Department of Defense/Neurotoxin Exposure Treatment. 1998-2005 (\$666,745 direct + indirect costs). Crosson's role: 10% effort as co-investigator.

Rothi, L. J. G. (Program Project Director). Treatment of Aphasia and Related Disorders. P50-DC03888: funded through National Institutes of Health: National Institute of Deafness and Other Communication Disorders. 2000-2004 (\$5,400,000 direct + indirect costs).

(a) Subproject 5: Treatment of Attention and Intention in Aphasia. (\$369,103 direct costs). Crosson role: 25% effort as PI.

(b) Core B: Neuroimaging. (\$831,139 direct costs). Crosson Role 12% as Co-PI (2000-2003) and 20% as PI (2003-2004).

Crosson, B. (PI). Medial Frontal Cortex in Intentional Aspects of Language. R01-DC03455:

funded through the National Institute on Deafness and Other Communication Disorders. 1997-2000 (\$589,257 direct + indirect costs).

- Crosson, B. (PI). Functional Outcomes of a Rehabilitative Treatment for Non-fluent Aphasia: Evaluation and Prediction using Lesion Patterns and Performance Characteristics. Funded through P. A. Foote Small Grants Program. 2003-2004 (\$7,045 direct costs only)
- Crosson, B. (PI). Changes in Word Retrieval in Normal Aging: Executive-Frontal vs. Semantic-Temporal Substrates. Funded through the Evelyn F. McKnight Brain Research Grant Program. 2002-2003 (\$74,868 direct costs only).
- Crosson, B. (PI). Treatment of Intention and Attention in Aphasia. Funded through Brooks Health Foundation, Inc. 1998-2000 (\$157,612 direct costs)
- Crosson, B. & Bauer, R. M. (Co-PIs). Words, Emotions, and Memories: Investigations of Temporal Lobe activation during Language and Memory Monitoring. Funded through the University of Florida Brain Institute. 1997-1998 (\$97,122 direct costs only).
- Crosson, B. (PI). Mapping of Cognitive Brain Functions with Magnetic Resonance Imaging. A Graduate Assistant Grant funded through the Division of Sponsored Research at the University of Florida, 1994-1995, (\$6,162).
- Crosson, B. (PI), Nadeau, S. E., & Williams, C. M. Cerebral Activation during Narrative Language as Measured by [99mTc]-HMPAO Single Photon Emission Computerized Tomography (SPECT). A Career Development Award funded through the Division of Sponsored Research at the University of Florida, 1991-1992, (\$20,000).
- Crosson, B. (PI). Attention and Aphasia. A Graduate Assistant Grant funded through the Division of Sponsored Research at the University of Florida, 1991-1992, (\$6,421)
- Crosson, B. (PI), Nadeau, S. E., & Williams, C. M. Measurement of Regional Cerebral Blood Flow Using [99mTc]-HMPAO Single Photon Emission Computerized Tomography (SPECT) during Behavioral Activation in Neurologically Normal and Brain Impaired Subjects. A New Faculty Support Grant funded through Division of Sponsored Research at the University of Florida, 1989-1991, (\$7,200).
- Crosson, B. (PI), Novack, T. A., Trenerry, M. R., & Craig, P. L. Performance of Normal and Head-Injured Subjects on the California Verbal Learning Test. A mini-grant funded through the Department of Psychiatry and Behavioral Sciences, University of Oklahoma Health Sciences Center, 1984-1985.
- Warren, R. L. & Crosson, B. (Co-I). Validity of the Luria-Nebraska Neuropsychological Battery for Aphasic Patients. Funded through a grant from the Regional Advisory Group of the Veterans Administration, 1981-1982.
- Crosson, B. (PI). Dichotic Listening as a Measure of Lateralized Cortical Dysfunction in

Schizophrenia. Funded as a Flexible Funds Project through the Veterans Administration Western Regional Research and Development Office, Livermore, California, 1980.

### **Mentored Awardees and Current Positions**

Marcus Meinzer, Ph.D. The neural substrate of expressive language functions in healthy and pathological aging. Funded by the German Foundation for Science (DFG) DFG, ME 3161/2-1, (full salary and benefits). Crosson Role: Primary Mentor.

Anna Bacon Moore, Ph.D. Department of Veterans Affairs, Rehabilitation Research and Development. Career Development Award (full salary and benefits + research expenses). 2001-2004. Crosson Role: Primary Mentor.

*Current Position:* Research and Staff Psychologist, Atlanta VA Medical Center; Assistant Professor of Physical Medicine and Rehabilitation, Emory University.

Anna Bacon Moore, Ph.D. Department of Veterans Affairs, Rehabilitation Research and Development. Advanced Career Development Award (full salary and benefits + research expenses). 2004-2007. Crosson Role: Mentor Committee.

*Current Position:* Research and Staff Psychologist, Atlanta VA Medical Center; Assistant Professor of Physical Medicine and Rehabilitation, Emory University.

Anna Bacon Moore, Ph.D. American Federation for Aging Research: Grant Program. 2004-2006. Crosson Role: Mentor Committee.

*Current Position:* Research and Staff Psychologist, Atlanta VA Medical Center; Assistant Professor of Physical Medicine and Rehabilitation, Emory University.

Tim W. Conway, Ph.D. Department of Veterans Affairs, Rehabilitation Research and Development. Associate Investigator Award (full salary and benefits). 2003-2005. Crosson Role: Primary Mentor.

*Current Position:* VA RR&D Career Development Awardee, Malcom Randall VA Medical Center; Assistant Research Scientist, Department of Clinical & Health Psychology, University of Florida.

Tim W. Conway, Ph.D. Department of Veterans Affairs, Rehabilitation Research and Development. Career Development Award (full salary and benefits + expenses). 2005-2008. Crosson Role: Primary Mentor.

*Current Position:* VA RR&D Career Development Awardee, Malcom Randall VA Medical Center; Assistant Research Scientist, Department of Clinical & Health Psychology, University of Florida.

David B. FitzGerald, M.D. Department of Veterans Affairs, Rehabilitation Research and Development. Associate Investigator Award (full salary and benefits). 2006-2008. Crosson Role: Primary Mentor.

*Current Position:* VA RR&D Associate Investigator, Malcom Randall VA Medical Center; Courtesy Assistant Professor, Department Neurology, University of Florida.

Christina E. Wierenga, M.S., Department of Veterans Affairs, Rehabilitation Research and Development. Predoctoral Fellowship (full salary and benefits). 2003-2004. Crosson Role: Primary Mentor.

*Current Position:* Postdoctoral Fellow, Department of Psychiatry, University of California, San Diego

Megan E. Gaiefsky, M.S., Department of Veterans Affairs, Rehabilitation Research and Development. Predoctoral Fellowship (full salary and benefits). 2004-2005. Crosson Role: Primary Mentor.

*Current Position:* Psychology Intern, Birmingham VA Medical Center, University of Alabama at Birmingham

## **Publications:**

### **Refereed Journal Articles: (Total of 83, excluding submitted/in revision manuscripts)**

Meinzer, M., Wilser, L., Fleisch, T., Eulitz C., Rockstroh B., Rothi, L.J.G., Crosson, B. (submitted). Neural signatures of semantic and phonemic fluency in young and old adults.

Crosson, B., Bacon Moore, A. B., McGregor, K. M., Chang, Y.-L., Benjamin, M., Gopinath, K., Sherod, M. E., Wierenga, C. E., Peck, K. K., Briggs, R. W., Rothi, L. G., White, K. D. (submitted). Right frontal participation in language production before and after a naming treatment with an intention manipulation.

McGregor, K. M., Crosson, B., White, K.D. (submitted). Negative BOLD response in the ipsilateral hemisphere of young and old adults during right-hand movements.

Wierenga, C. E., Perlstein, W. M., Benjamin, M., Leonard, C., Rothi, L. G., Conway, T., Cato, M. A., Gopinath, K., Briggs, R., Crosson, B. (submitted). Neural substrates of object identification: fMRI evidence that category and visual attribute contribute to semantic knowledge.

Rothi, L. J. G., Fuller, R., Kendall, D., Leon, S. A., Moore, A., Nadeau, S., Wu, S. S., Crosson, B., Heilman, K. M. (submitted). Errorless practice as a possible adjuvant to donepezil in Alzheimer's disease.

Crosson, B. (in press). An intention manipulation to change lateralization of word production in nonfluent aphasia: Current status. *Seminars in Speech and Language*.

Conway, T. W., Heilman, K. M., Gopinath, K., Peck, K. K., Bauer, R. M., Briggs, R. W., Torgesen, J. K., & Crosson, B. (in press). Neural substrates related to auditory working memory comparisons: An fMRI study. *Journal of the International Neuropsychological Society*.

Gopinath, K., Crosson, B., McGregor, K., Peck, K. K., Chang Y.-L., Moore, A., Sherod, M., Cavanagh, C., Wabnitz, A., Wierenga, C., White, K., Cheshkova, S., Krishnamurthy, V.,

- Briggs, R. W. (in press). Selective detrending method for reducing task-correlated motion artifact during speech in event-related fMRI. *Human Brain Mapping*.
- Hu, J., Lee, J.-M., Gao, J., White, K. D., Crosson, B. (2008). Assessing a signal model and identifying brain activity from fMRI data by a detrending-based fractal analysis. *Brain Structure and Function*, **212**, 417-426.
- Lee, J.-M., Hu, J., Gao, J., Crosson, B., Peck, K. K., Wierenga, C. W., McGregor, K., Zhao, Q., White, K. D. (2008). Discriminating brain activity from task-related artifacts in functional MRI: Fractal scaling analysis simulation and application. *NeuroImage*, **40**, 196-212.
- Wierenga, C. E., Benjamin, M., Gopinath, K., Perlstein, W. M., Leonard, C. M., Rothi, L. J. G., Conway, T., Cato, M. A., Briggs, R. W., Crosson, B. (2008). Age-related changes in word retrieval: Role of bilateral frontal and subcortical networks. *Neurobiology of Aging*, **29**, 436-451.
- Dotson, V. M., Singletary, F., Fuller, R., Koehler, S., Bacon Moore, A., Rothi, L. J. G., Crosson, B. (2008). Treatment of word-finding deficits in fluent aphasia through the manipulation of spatial attention: Preliminary findings. *Aphasiology*, **22**, 103-113.
- Crosson, B., McGregor, K., Gopinath, K. S., Conway, T. W., Benjamin, M., Chang, Y.-L., Bacon Moore, A., Raymer, A. M., Briggs, R. W., Sherod, M. G., Wierenga, C. E., White, K. D. (2007). Functional MRI of language in aphasia: A review of the literature and the methodological challenges. *Neuropsychology Review*, **17**, 157-177.
- Crosson, B., Fabrizio, K. S., Singletary, F., Cato, M. A., Wierenga, C. E., Parkinson, R. B., Sherod, M. E., Bacon Moore, A., Ciampitti, M., Holiway, B., Leon, S., Rodriguez, A., Kendall, D. L., Levy, I. F., Gonzalez Rothi, L. J. (2007). Treatment of naming in nonfluent aphasia through manipulation of intention and attention: A phase 1 comparison of two novel treatments. *Journal of the International Neuropsychological Society*, **13**, 582-594.
- Cato Jackson, M. A., Crosson, B. (2006). Emotional connotation of words: Role of emotion in distributed semantic systems. *Progress in Brain Research*, **156**, 2006, 205-216.
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Crosson, B., Andreychuk, T., Tiemann, K., & Phillips, C. (1978). Combined use of hypnosis and biofeedback in the treatment of migraines: A pilot study. *Biofeedback and Self-Regulation*, **3**, 241. (Ninth Annual Meeting of the Biofeedback Society of America, March 1978, Albuquerque, New Mexico).

Crosson, B., Meinz, R., Lauer, E., Williams, D., & Andreychuk, T. (1976). Relationships of baseline techniques, hypnotic susceptibility, and EEG alpha training. *Proceedings of the Biofeedback Research Society Seventh Annual Meeting*. Denver: Biofeedback Research Society, 10. (Seventh Annual Meeting of the Biofeedback Research Society, March 1976, Colorado Springs, Colorado).

### **Selected Other Papers, Lectures, and Keynote and Invited Addresses**

Crosson, B. (May, 2008). *Left-Right Confusion in Aphasia Research: Which Hemisphere Supports Language in Aphasia?* Presented at the conference "Neural and Neuropsychological Correlates of Language," 29<sup>th</sup> Annual Conference of the New York Neuropsychology Group and Joint Meeting with the Psychology Section of the New York Academy of Sciences, Weill Medical College of Cornell University, New York, New York, May 17, 2008.

Crosson, B. (November, 2007). *Targeting Neuroplastic Change in Cognitive Rehabilitation: Can an Intention Manipulation in Aphasia Treatment Affect Lateralization?* Grand Rounds Presentation for the Department of Physical Medicine and Rehabilitation, Emory University, Atlanta, Georgia, November 6, 2007.

Crosson, B. (October, 2007). *An Intention Manipulation in the Treatment of Aphasia: Can Left-Hand Movement and Gesture Relateralize Language Production in Nonfluent Aphasia?* Lecture Presented at the Max Planck Institute for Psycholinguistics, Nijmegen, The Netherlands, October 10, 2007.

Crosson, B. (October, 2007). *Cognitive and Neural Substrates in Rehabilitation: Awareness and Intention*. Presented at the Conference in Cognitive Rehabilitation sponsored by the Netherlands Organization for Scientific Research (NWO), Zeist, The Netherlands, October 9, 2007.

Crosson, B. (September, 2007). *An Intention Manipulation for Treatment of Naming in Aphasia*. Presented at the 2<sup>nd</sup> Annual Eleanor M. Saffran Cognitive Neuroscience Conference, Temple University, Philadelphia, Pennsylvania, September 24, 2007.

- Crosson, B. (February, 2007). *Functional Neuroimaging in Rehabilitation and Aphasia*. Workshop presented at the 35th Annual Meeting of the International Neuropsychological Society, Portland, Oregon, February 7, 2007.
- Crosson, B. (November, 2006). *Intention in Cross-Modality Treatments*. Lecture presented in the invited symposium, Neuro Cross System Effects, at the Annual Convention of the American Speech-Language-Hearing Association, Miami Beach, Florida, November, 16, 2006.
- Mikell, L., Crosson, B., Blonder, L. X., Gonzalez Rothi, L., Altman, L. (2006, November). *Discourse Changes Following an Attentional Treatment Anomia*. Paper presented at the Annual Convention of the American Speech-Language-Hearing Association, Miami Beach, Florida, November, 16, 2006.
- Crosson, B. (2006, October). *Subcortical Functions in Language and Cognition*. Workshop presented at the 26<sup>th</sup> Annual Conference of the National Academy of Neuropsychology, San Antonio, Texas, October 27, 2006.
- Crosson, B. (2006, September). *Functional Neuroimaging and Neuroplasticity in Aphasia Recovery and Treatment*. Neurology Grand Rounds, University of Florida, September 5, 2006.
- Crosson, B. (2006, August). *Functional Neuroimaging and Neuroplasticity in Aphasia Recovery and Treatment*. Invited Address at the Annual Meeting of the American Psychological Association, New Orleans, Louisiana, August, 12, 2006.
- Crosson, B. (2006, August). *Differential Neural Substrates and Treatment Response in Aphasia*. Lecture to the Department of Speech and Hearing Sciences Faculty, Fellows, and Students, University of Washington, Seattle, Washington, August 9, 2006.
- Crosson, B. (2006, July). *Differential Neural Substrates and Treatment Response in Aphasia*. Lecture to the Queensland Brain Institute Faculty, Fellows, and Students, University of Queensland, Brisbane, Australia.
- Crosson, B. (2006, May). *Differential Neural Substrates and Treatment Response in Aphasia*. Program Committee and NIDCD Keynote Address at the Clinical Aphasiology Conference, Ghent, Belgium.
- Crosson, B. (2005, November). *Neural Substrates of Cognition in Aphasia Therapy: Shifting the Paradigm for Treatment Development*. Keynote Address at the annual meeting of the Academy of Neurologic Communication Disorders and Sciences, San Diego, California.
- Crosson, B. (2005, March). *Neural Plasticity and Outcome in Treatment of Intention for Nonfluent Aphasia: Two Cases*. Presented at the Boston University Medical Center Physical Medicine and Rehabilitation Grand Rounds, Boston, Massachusetts, March 2, 2005.

- Crosson, B. (2005, March). *Event-Related fMRI of Spoken Language in Aphasia: Challenges and Solutions*. Presented at the Harold Goodglass Aphasia Research Center at the Boston VA Medical Center, Boston Massachusetts, March 1, 2005.
- Crosson, B. (2004, September). *Neural Plasticity and Outcome in Treatment of Intention for Nonfluent Aphasia: Two Cases*. Lecture at the Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany, September 28, 2004.
- Crosson, B. & Cato, M. A. (2004, September) *Emotional Connotation of Words: Role of Emotion in Distributed Semantic Systems*. Presented at the Conference "Understanding Emotions: Insights into Emotion, Communication and the Brain." Konstanz, Germany, September 23-26, 2004
- Moore, A. B., McGregor, K., Gaiefsky, M., Gopinath, K., Peck, K. K., Wabnitz, A., White, K. D., Gonzalez-Rothi, L. J., Raymer, A. M., Briggs, R. W., Crosson, B. (2004, September). *Neural substrates of word retrieval training for nouns in aphasia*. Paper presented at the meeting of the American Congress of Rehabilitation Medicine, Jacksonville, Florida.
- Crosson, B. (chair) (2004, July) *Subcortical Functions in Language and Semantics*. Symposium presented at the Summer Meeting of the International Neuropsychological Society, Brisbane, Australia.
- Crosson, B. (2004, July). *Role of the Dominant and Nondominant Basal Ganglia in Word Generation*. Lecture presented at the University of Queensland, Brisbane, Australia, July 5, 2004.
- Blonder, L. X., Ketterson, T., Rosenbek, J., Crosson, B., Raymer, S., Maher, L., Glueckauf, R., Heilman, K. M., Rothi, L.G. (2004, April). *Emotional communication in stroke patients. 2004 SBM Annual Meeting and Scientific Sessions*. Paper presented at the meeting of Society of Behavioral Medicine, Baltimore, Maryland.
- Crosson, B. (Presenter) (1989-2005, 2007 December) 15<sup>th</sup> through 30<sup>th</sup>, 32<sup>nd</sup> Annual Courses in Behavioral Neurology and Neuropsychology. Sponsored by the Florida Society of Neurology and the Center for Neuropsychological Studies at the University of Florida, Orlando, Florida.
- Crosson, B. (discussant) (2003, February) *The Forgotten Cranial Nerve: Studies of Olfactory Function in Neuropsychology*. Symposium presented at the Winter Meeting of the International Neuropsychological Society, Chicago, IL.
- Crosson, B. (2002, November). *Subcortical Functions in Language and Aphasia*. Workshop presented at the Annual Meeting of the American Speech-Language-Hearing Association, Atlanta, Georgia, November 23, 2002.
- Crosson, B. (2002, May). *The basal ganglia in language generation*. Presentation for Neurology Grand Rounds at the University of New Mexico, Albuquerque, New Mexico, May 17, 2002.

- Crosson, B. (2002, May). *Treatment of Intention in Aphasia: Preliminary Findings and Future Directions*. Presented at the 2002 Annual Meeting of the World Federation of Neurology Research Group on Aphasia and Cognitive Disorders. Villefranche sur Mer, France.
- Crosson, B. (2002, May). *Imaging Overt Language Production in Aphasia with fMRI: To Speak or Not to Speak*. Presented at the National Institute on Deafness and Other Communication Disorders Workshop: The Role of Neuroimaging in the Study of Aphasia Recovery and Rehabilitation: Research Needs and Opportunities. National Institutes of Health, Bethesda, MD.
- Crosson, B. (2001, June). *The frontal lobes and basal ganglia in language production: Insights and questions from functional neuroimaging*. Presented at the New Orleans VA Medical Center, New Orleans, Louisiana, June 19, 2001.
- Crosson, B. (2001, May). *Neural Systems Supporting Language: Medial Frontal Cortex and Subcortical Structures*. Workshop presented to the Pacific Northwest Neuropsychological Society, Seattle, Washington, May, 12, 2001.
- Crosson, B. (discussant) (2001, February) *Application of neuroimaging advances to traumatic brain injury*. Symposium presented at the Winter Meeting of the International Neuropsychological Society, Chicago, IL.
- Crosson, B. (2001, October). *Neural Systems Supporting Language: Medial Frontal Cortex and Subcortical Structures*. Workshop presented to the Philadelphia Neuropsychological Society, Philadelphia, Pennsylvania, October 28, 2000.
- Crosson, B. (2001, October). *Imaging of Basal Ganglia Activity during Word Generation: Problems and Preliminary Findings*. Lecture presented at the University of Pennsylvania Medical School, Philadelphia, Pennsylvania, October 26, 2000.
- Crosson, B. (1999, November). *Subcortical Functions in Language and Memory*. Workshop presented at the Annual Meeting of the National Academy of Neuropsychology, San Antonio, Texas, November 11, 1999.
- Crosson, B. (discussant) (1999, August). *Recent advances in functional MRI—Basic and clinical research*. Symposium presented at the Annual Meeting of the American Psychological Association. Boston, MA.
- Crosson, B. (1997, March). *The Thalamus and Language*. Lecture presented to the faculty of the Department of Psychiatry, Wayne State University, Detroit, Michigan, March 7, 1997.
- Crosson, B. (Moderator) (October, 1996). *Beyond Structure: 1<sup>st</sup> Heidelberg Conference on Dynamic and Functional Radiological Imaging of the Brain*, Heidelberg, Germany, October 31-November 2, 1996.

- Schwartz, R., Adair, J. C., Raymer, A. M., Williamson, D. J., Crosson, B., Rothi, L. J. G., Nadeau, S. E., & Heilman, K. M. (1996, February). *A New Test for Praxis: Florida Action Recall Test*. Paper presented at the North American Meeting of the International Neuropsychological Society, Chicago, Illinois.
- Crosson, B. (1995, November). *Subcortical Mechanisms in Language: Lexical-Semantic Mechanisms and the Thalamus*. Colloquium presented to the graduate students and faculty of The Department of Psychology, Finch University of Health Sciences/The Chicago Medical School, North Chicago, Illinois, November 7, 1995.
- Crosson, B. (Presenter) (1995, November). *Neuropsychology for the Speech/Language Pathologist*. A short course presentation at the Annual Meeting of the American Speech-Language-Hearing Association, Orlando, Florida, December 10, 1995.
- Crosson, B. (1995, May). *Subcortical Functions in Language: Lexical-Semantic Mechanisms and the Thalamus*. In *Subcortical Mechanisms in Language and Cognition*. A symposium presented at Tennesse VI, Montreal, Quebec, Canada.
- Crosson, B. (1995, March). *Lexical-Semantic Mechanisms and the Thalamus*. Grand rounds presentation to the Neurology Department of the Medical College of Wisconsin, Milwaukee, Wisconsin, March 31, 1995.
- Crosson, B. (1994, May) *Awareness and Compensation in Post-Acute Head Injury Rehabilitation*. Presented at the 6th Annual Conference on Rebuilding Shattered Lives. Sponsored by the Center for Head Injuries and the Department of Professional Development at the John F. Kennedy - Robert Wood Johnson Rehabilitation Institute, Edison, New Jersey, May 13, 1994.
- Crosson, B., Galaburda, A. M., Nadeau, S. E., & Williamson, D. J. G. (1994, January). *Anatomic and Physiologic Bases of Language: Bridging Basic and Cognitive Neurosciences to Build Systems Models*. Presented at the 1994 Winter Conference on Brain Research, Snowbird, Utah.
- Crosson, B. (Chair) (1992, February). *Subcortical Structures in Language: Uncharted Territory*. Symposium presented at the North American Meeting of the International Neuropsychological Society, San Diego, California, February, 1992.
- Crosson, B. (1992, January). *Language Deficits after Dominant Thalamic Lesion: Implications for Schizophrenia*. In *Thalamic Function in Schizophrenia*. Workshop presented at the Winter Conference on Brain Research, Steamboat Springs, Colorado.
- Crosson, B. & Barco, P. P. (1990, November). *Awareness and Compensation in Post-Acute Rehabilitation*. In *Comparative Cognitive Models*. Seminar presented at the Annual National Symposium of the National Head Injury Foundation, New Orleans, Louisiana.
- Crosson, B. (1989, September). *Is the Striatum Involved in Language?* Paper presented at the International Workshop: Neuropsychological Disorders Associated with Subcortical

Lesions, Como, Italy.

Trenerry, M. R., Crosson, B., DeBoe, J. B., & Leber, W. R. (1989, August). *Development of the Stroop Neuropsychological Screening Test*. Paper presented at the Annual Meeting of the American Psychological Association, New Orleans, Louisiana.

Crosson, B. (1989, February). *Subcortical Functions in Cognition and Language*. Workshop presented at the North American Meeting of the International Neuropsychological Society, Vancouver, British Columbia, Canada, February 8, 1989.

Veloze, C. A., Hazelrigg, P. J., Barco, P. P., Cooper, P. V., Poole, D., Crosson, B., Frank, R. G., & Alper, J. S. (1988, November). *Development of a Computerized Database on Post-Acute Head Injured Patients*. Paper presented at the Annual National Symposium of the National Head Injury Foundation, Atlanta, Georgia.

Crosson, B., Barco, P. P., Veloze, C. A., Bolesta, M. M., & Brobeck, T. C. (1988, September). *Awareness and Compensation in Community Reintegration after Head Injury*. Paper presented at Cognitive Rehabilitation: Community Reintegration through Scientifically Based Practice, Richmond, Virginia.

Crosson, B. (1988, March). *Subcortical Language Functions: Their Possible Role in Schizophrenia*. Lecture presented to the staff of the Menninger Foundation, Topeka, Kansas, March 4, 1988.

Crosson, B. (1988, March). *Awareness in the Rehabilitation of Head Injury*, Guest Lecture presented to the staff of the Colmery-O'Neil Veterans Administration Medical Center, Topeka, Kansas, March 4, 1988.

Crosson, B., Novack, T. A., Trenerry, M. R., & Craig, P. L. (October, 1986). *Memory Processes after Closed-Head Injury*. Paper presented at the 1986 Traumatic Head Injury Conference, Braintree, Massachusetts.

Crosson, B., Novack, T. A., Trenerry, M. R., & Craig, P. L. (1986, August). *California Verbal Learning Test (CVLT) Performance: Head Injured vs. Normal Adults*. Paper presented at the Annual Meeting of the American Psychological Association, Washington, D. C.

Crosson, B. (1985, August). *Interdisciplinary Treatment of Interpersonal Skills Deficits in Inpatient Rehabilitation*. In *Clinical Neuropsychologists in Head-Injury Rehabilitation*. Symposium presented at the meeting of the American Psychological Association, Los Angeles, California.

Crosson, B., Parker, J. C., Warren, R. L., LaBreche, T., & Tully, R. (1983, August). *Dominant Thalamic Lesion with and without Aphasia*. Paper presented at the annual meeting of the American Psychological Association, Anaheim, California.

Crosson, B. (1983, May). *Thalamic Aphasia*. Lecture presented to the psychology staff and interns of the Veterans Administration Medical Center, Portland, Oregon, May 20, 1983.

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