**CURRICULUM VITAE**

**DAWN MARIE NEUMANN, Ph.D.**

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**Education:** Postdoctoral Research Fellowship, Carolinas Rehabilitation 2008-2010

Ph.D. Rehabilitation Science, University at Buffalo (SUNY) 2008

M.A. (Cognitive) Psychology, Rutgers University, NJ 1999

Honours B.A. Psychology, Richard Stockton College, NJ 1995

**Employment History:**

Spring 1993 Teaching Assistant, Richard Stockton College, Pomona, NJ

1996-1996 Research Assistant, Learning and Memory Lab, Center for Behavioral and Molecular Neuroscience, Rutgers, New Jersey

1997-1999 Teaching Assistant, Department of Psychology, Rutgers University, Newark, NJ

1997-1998 Cognitive Therapist, Universal Rehabilitation, Livingston, NJ

1998-1999 Cognitive Therapist, Cognitive Remediation Program, Kessler Institute for Rehabilitation, East Orange, NJ

1999-2000 Cognitive Therapist, Headways, Oradell, NJ

2000-2001 Director of Cognitive Therapy, Universal Rehabilitation, Livingston, NJ

2001-2002 Neurorehabilitation Specialist and Community Relations Representative, Community Skills Program, Marlton, NJ

2002-2003 Research Assistant, Department of Rehabilitation Science, State University of New York at Buffalo

2003-Summer Community Integration Counselor for persons with brain injury, Venture Forthe, Niagara Falls, NY

2003-2007 Teaching Assistant, Department of Rehabilitation Science, State University of New York at Buffalo

2008- 9/2010 Postdoctoral Fellowship, Carolinas Healthcare System, Carolinas Rehabilitation, Charlotte, NC

10/ 2010- 12/2015 Assistant Research Faculty, School of Medicine, Department of Physical Medicine and Rehabilitation at IU

10/2010-06/2017 Clinical Research Associate at Rehabilitation Hospital of Indiana.

08/2012-present Managing member and founder, EmotEd, LLC

11/2013-present Director, IU Interactive and Functional Assessment of Communication and Emotion Center (InterFACE) at the Rehabilitation Hospital of Indiana

12/ 2015- 06/2017 Assistant Professor, School of Medicine, Department of Physical Medicine and Rehabilitation at IU

07/2017-Present Associate Professor and Research Director, School of Medicine, Department of Physical Medicine and Rehabilitation at IU

07/2017-Present Research Director, Rehabilitation Hospital of Indiana

**Awards, Honors, and Special Training:**

* *Psi Chi National Honor Society, 1995*
* *2nd Place Poster Presentation, A universal similarity function?: magnitude estimates for face-like exemplars, 1998*
* Advanced Graduate Certificate in Assistive and Rehabilitation Technology, Department of Rehabilitation Science, University at Buffalo, 2005
* Certificate in Advanced Rehabilitation for Persons with Acquired Brain Injury, Level 2 (Ontario Brain Injury Association and Brock University, 2005)
* Selected participant for the Enhancing Rehabilitation Research in the South (ERRIS) 2009 workshop program.
* fMRI Visiting Fellowship Course, MGH/MIT/HMS Athinoula A. Martinos Center for Biomedical Imaging, October 3-7, 2011
* Recipient of the Mark Diamond Research Fund award, 2006
* Recipient of Mary E. Switzer Merit Fellowship (NIDRR), 2011
* Recipient of Deborah L. Wilkerson Early Career Award (ACRM), 2013
* Leadership in Academic Medicine Program (LAMP), IU School of Medicine 2013-2014
* Prestigious External Award Recognition recipient, IUPUI, 2014

**Related Professional Activities:**

* 1994-1995: Member, Faculty Review Committee, Richard Stockton College
* 1994-1995: President, Psychology Club Richard Stockton College
* 1995-2003: Affiliate member, American Psychology Association
* 1997-1998: Member, Rutgers Cognitive Neuroscience Research Group
* 1997-1998: Member, Rutgers Graduate Student Government Assoc.
* 2000-2003: Member, Society for Cognitive Rehabilitation
* 2002-2003: Member, Counseling and Rehabilitation
* 2006- 2008: Secretary of the Board of Members, Headway of Western New York, Inc,
* 2007- present: Member, American Congress of Rehabilitation
* 2008-2012: Member, TBI Advisory and Relationship Conference Planning Committee, Carolinas Rehabilitation TBIMS
* 2008-2012: Member, Newsletter Committee, Carolinas Rehabilitation TBIMS
* 2008- present: Ad hoc Reviewer, *Brain Injury*
* 2010- 2010: Member, Internal Review Board Committee, Carolinas HealthCare System
* 2010- 2011: Member, International Society for Research on Emotion
* 2010- present: Ad hoc reviewer, *Archives of Physical Medicine and Rehabilitation*
* 2010- present: Member, American Congress of Rehabilitation Medicine, Early Career Course Planning Task Force
* 2011- present: Member, Indiana University, Center for Brain Rehabilitation, Advanced Imaging and Neuroscience Committee
* 2012-2013: Chair, Planning Committee for new IU Interactive and Functional Assessment of Communication and Emotion Center (InterFACE) at the Rehabilitation Hospital of Indiana
* 2012- 2014 Member-at-Large, American Congress of Rehabilitation Medicine, Board of Governors
* 2012-2014: Chair, American Congress of Rehabilitation Medicine, Early Career Networking Group
* 2012-2016: Member, American Congress of Rehabilitation Medicine, Membership Committee
* 2012- present: Member, Editorial Review Board, *Journal Head Trauma Rehabilitation*
* 2012- present: Ad hoc reviewer, *International Journal of Neuroscience*
* 2012- present: Ad hoc reviewer, *Behavioral Sciences*
* 2013-present: Ad hoc reviewer, Indiana University Collaborative Research Grant (IUCRG)
* 2013-2014: Rehabilitation Hospital of Indiana (RHI), Expansion Project, DORIS Team 2 (Input from Research Department on planning design for RHI building expansion)
* 2013-2014 Member, Relationship Conference Planning Committee, Indiana University/ Rehabilitation Hospital of Indiana TBIMS
* 2013- 2016: Chair, American Congress of Rehabilitation Medicine, Early Career Networking Group Communications Task Force
* 2014 Invited Grant Reviewer, National Institute on Disability and Rehabilitation Research (NIDILRR)
* 2014-Present: Program and Awards Officer, Brain Injury Interdisciplinary Special Interest Group, American Congress of Rehabilitation Medicine (elected)
* 2014- present: Member, Conference Program Planning Committee, American Congress of Rehabilitation Medicine
* 2014-present: Member, IU Rehabilitation Scientist Faculty Recruitment Committee
* 2015-2016: Past Chair, American Congress of Rehabilitation Medicine, Early Career Networking Group
* 2015-Present: Member, Indiana University School of Medicine and RHI Model System Consumer Advisory Committee
* 2016-Present Member, “Chat with the Experts” Program Planning Subcommittee, American Congress of Rehabilitation Medicine
* 2016-Present: Appointed member, IU Faculty Development Coordinating Committee
* 2017 Present: Past Chair, American Congress of Rehabilitation Medicine, Early Career Networking Group Communications Task Force
* 07/17-Present: RHI Day of Giving Planning Committee
* 07/17/ Present: RHI Standards of Behavior Committee

**Teaching Activities:**

1993 Spring: Teaching Assistant for Introduction to Statistics, Richard Stockton College

1997-1999: Teaching Assistant for Research Methodology, Rutgers University

2003-2007: Teaching Assistant for Medical Terminology, University at Buffalo

2004-2006 Teaching Assistant for Neuroanatomy Lab, University at Buffalo

Spring 2005: Guest lecture: Brain Injury and Job Accommodations

2008-2010: Didactic Research Modules for Residents, Carolinas Rehabilitation Physical Medicine and Rehabilitation

2008-2010: Research Assistant /Student training and supervision, Carolinas Rehabilitation Physical Medicine and Rehabilitation

11/2010 Grand Rounds, Emotional Processing and Regulation Deficits after Traumatic Brain Injury. Psychiatry, IUSM, Indianapolis, IN.

03/ 2012 TBI Didactic Series for Residents, IU School of Medicine, Physical Medicine and Rehabilitation; Emotion Recognition and Regulation after TBI

2010-Present: Didactic Research Modules for Residents, IU School of Medicine, Physical Medicine and Rehabilitation Residents

September 2012: TBI Caregiver Workshop: Building better relationships after brain injury; North Carolina.

October 2012 Professional Instructional workshop: American Congress of Rehabilitation Medicine, Assessment and treatment of emotion recognition impairment after brain injury.

February 2013 PMR Research Education and Team Meetings. Review of NSF Day: What type of research do they fund? IUSOM, Department of PMR. 10 attendees

June 3 2013 PMR Research Education and Team Meetings. Attributions of hostile intent and the relationship with irritability and anger after traumatic brain injury. IUSOM, Department of PMR. 10 attendees

June 24, 2013 PMR Research Education and Team Meetings. Alexithymia after brain injury and its relationship with trait aggression, negative attribution styles, and empathy. IUSOM, Department of PMR. 10 attendees

September 30, 2013 PMR Resident TBI Didactic Series. Emotion Recognition and Regulation after TBI. IUSOM, Department of PMR. 10 attendees.

02/2014-08/2014: Masters Thesis Supervisor (Eleanor Luckcock), Examining Left Visual Neglect in Stroke Patients. From University of Maastricht, Psychology Program.

05/2015-05/2017 Dissertation committee member, Student doctoral dissertation (Trevor Langston): Changes in depression, anxiety, and coping following alexithymia treatment for people with brain injury. University of Indianapolis, School of Psychological Sciences.

October 2016 IU Medical Student Research Elective, Anthony Kenrick. Supervised project evaluating eye-tracking performance during a facial affect recognition task. Culminated in abstract submission and poster presentation at the International Brain Injury Association conference in March of 2017.

09/2016-05/2017 Indiana University Life Health Science Intern, Emma Wolter (IUPUI Undergraduate student), student project. Won best oral presentation describing project evaluating the association between eye-tracking and emotion perception after TBI.

06/2017-07/2017 IU Summer Internship Program, Amogh Sehgal (Undergraduate pre-med student, Butler University)

**Community Service:**

* Member, Committee for Advocacy and Public Affairs, Brain Injury Association, 2002
* Member, Beacon Park Condominium Board Association (2006 – May 2008)
* Tour Guide, Gross Anatomy Lab and Neuroanatomy Museum at the University at Buffalo (2005-Spring 2008)
* Secretary of the Board of Members of Headway of Western New York, Inc (2006 –Spring 2008)
* Chair, Fundraising committee (Spring 2007) for Headway of Western New York, Inc
* Support Group presentation: Neumann, D. (2009, February). Guest Speaker for Brain Injury Support Group Meeting, Footprints Carolina, Gastonia, NC: Emotions after TBI.
* Support Group presentation: Neumann, D. (2009, June). Guest Speaker for the Union County Area Brain Injury Support Network, CMC-Union, Monroe, NC: Emotions after brain injury and interpersonal relationships.
* Support Group presentation: Neumann, D. (2009 April). Guest Speaker Charlotte Brain Injury Support Network, Carolinas Rehabilitation-Mecklenburg County, Charlotte, NC: Reading and Expressing Emotions after Brain Injury.
* Support Group presentation: Neumann, D. (2009, October). Guest Speaker for Rock Hill, SC Brain Injury Support Group. Behavior Issues and Emotional Changes after TBI.
* Support Group presentation: Neumann, D. (2010, January). Guest Speaker for the Lake Norman Brain Injury Support Group Network, Lake Norman Region Medical Center, Mooresville, NC: Emotional and behavioral changes after brain injury.
* Support Group presentation: Neumann, D. (2010, March). Guest Speaker for the Union County Area Brain Injury Support Network, CMC-Union, Monroe, NC: Addressing emotions and behavioral changes after brain injury.
* Support Group presentation: Neumann, D. (2014, October 27). Guest Speaker for Bridging the Gap Brain Injury Support Group at the RHI NeuroRehabilitation Center , Indianapolis, IN: Tips for improving relationships after brain injury.
* Support Group presentation: Neumann, D. (2014, November 3). Guest Speaker for Indianapolis Brain Injury Support Group at the Rehabilitation Hospital of Indiana, Indianapolis, IN: Tips for improving relationships after brain injury.

**Invited Oral Presentations:**

1. **Neumann, D.,** and Zupan, B. (2007, September). Guest speakers for the Department of Applied Linguistics Research Seminars at Brock University, Ontario, Canada: Controlled Study of Affect Recognition Training for Individuals with Traumatic Brain Injury.
2. **Neumann, D.,** Zupan, B. and Willer, B. (2008, October). Successful treatment of emotion recognition problems for persons with TBI Invited Platform Presentation, 2008 Brain Injury Conference of the Americas, the North American Brain Injury Society, New Orleans, LA.
3. Zupan, B. and **Neumann, D.** (2009, October). Panel Presentation: Training for Emotional Inferencing Difficulties in TBI, North American Brain Injury Society’s 7th Annual Conference on Brain Injury, Austin, Texas.
4. **\*Neumann, D.** (2010, November). Emotional Processing and Regulation Deficits after Traumatic Brain Injury. Psychiatry Grand Rounds, IUSM, Indianapolis, IN.
5. \*Hammond, F. **Neumann, D**., Backhaus, S., Tsaousides, T. and Stejskal, T. (September, 2012). Help Me, Help You: Learn How to Build Better Relationships after Brain Injury Relationship Conference. Concord, NC.
6. **\*Neumann, D.,** Backhaus, S., Tsaousides, T., Stejskal, T., Hammond, F. (2013, February). *Tips for Improving Relationships after Brain Injury*, North Carolina Brain Injury Association Family Conference February 22, 2013: Building Community from the Inside Out, High Point, NC.
7. **\*Neumann, D**., Babbage, D., Zupan, B., Hammond, F., Willer, B. (2013, September). An evidence-based approach to treatment of impaired emotion recognition among individuals with TBI. Brain Injury Association of Indiana Fall Conference, Indianapolis, IN, September 12, 2013.
8. **\*Neumann, D.,** Backhaus, S., Tsaousides, T., Stejskal, T., Hammond, F. (2013, September). *Tips for Improving Relationships after Brain Injury*, Brain Injury Association of Indiana Fall Conference - Family Affair, September 14, 2013.
9. **\*Neumann, D**. (November 2013). Alexithymia after brain injury: What it is and why it deserves more attention. Deborah Wilkerson Early Career Award Lecture. 90th ACRM Annual Conference, Progress in Rehabilitation Research, 12-16, Orlando, Florida, November 2013.
10. **\*Neumann, D.** (February 2014). Emotion Recognition and Regulation after Traumatic Brain Injury. BrainHealth Frontiers, the University of Texas, at Dallas, Lunch Lecture Series, February 28, 2014.
11. **\*Neumann, D.** (August 2014). Evidence for Non-Pharmacologic Management of Aggression in Brain Injury. 2nd Annual Brain Injury Rehabilitation Conference, IUSM, PMR, Goodman Hall, IU Health Neuroscience Building, 355 W. 16th St., Indianapolis, IN 46202
12. **\*Neumann, D.,** Backhaus, S, Ibarra, S, Tsaousides, and Hammond. (2014) *Help me, Help you: Building Better Relationships after Brain Injury.*Caregiver conference. IUSM Neuroscience Center of Excellence, Indianapolis, IN, September 5-6, 2014.
13. **\*Neumann, D.** (January 2015). Alexithymia: Disorders of Emotion Regulation. Brain Injury Summit, Meeting of the Minds. Vail, Colorado; January 11-14, 2015.
14. \*Hammond, F. and **Neumann, D.** (April 2015). Evidence for pharmacological and non-pharmacological management of aggression after brain injury. North American Brain Injury Society (NABIS) 12th Annual Conference on Brain injury, Austin, TX, April 29-May 2, 2015.
15. **\*Neumann, D.** (July 2015). Evidence-based treatment for emotion recognition deficits after brain injury. Brain Injury Association of America, Mitch Rosenthal Memorial Research Series Live Webinar.
16. \***Neumann, D.** and Herrold, A. (October 2015) Grab the bull by the horns and steer your career in the direction you want. An oral presentation as part of the Early Career Development Course at the 92nd ACRM Annual Conference, Progress in Rehabilitation Research, 27-30th, October, Dallas, Texas.
17. **\*Neumann, D.** (April 2, 2016). Evidence-Based Treatment for Emotion Recognition Deficits after Brain Injury. Carle Neuroscience Symposium, April 2-3, Urbana, Illinois.
18. **\*Neumann, D**. (Sept 2016). Traumatic Brain Injury and Subsequent Socio-emotional Changes.2016 Annual ISETT Meeting, September 17, 2016, Indianapolis, IN.
19. **\*Neumann, D.** and Zupan, B. (January 2018). Social Cognition and brain injury: What clinicians need to know . Brain Injury Summit, Meeting of the Minds. Vail, Colorado; January 7-10, 2018.

**Selected Oral Presentations:**

1. **Neumann, D.,** Zupan, B. and Willer, B. (2006, September) Treatments for individuals with deficits in affect recognition. Plenary Session, 2006 Brain Injury Conference of the Americas, the North American Brain Injury Society, Miami, Florida.
2. **Neumann, D.,** Zupan, B. and Willer, B. (2007, October) Controlled Study of Affect Recognition Training for Individuals with Traumatic Brain Injury. Oral Paper Presentation, 2007 ACRM-ASNR Annual Educational Conference at the Renaissance Hotel in Washington, DC
3. Babbage, D., **Neumann, D.,** Zupan, B., and Willer,B. (2009, May) Frequency of facial affect recognition difficulties after traumatic brain injury. Oral presentation at the National Association of Rehabilitation Research and Training Centers (NARRTC) 2009 Annual Conference, Arlington, VA; May 4-5.
4. **Neumann, D**. (2009, May) Recognizing Emotions in Others After a Brain Injury: Implications and Successful Treatment Approaches. Oral Presentation, South Carolina Brain Injury Association Conference, Life with a Brain Injury 2009 Statewide Conference, May 14-15.
5. **Neumann, D.,** Zupan, B. Babbage, D., Tomita, M., and Willer, B. (2010, October), Improving Facial Affect Recognition in Persons with TBI. Symposium: Improving Interpersonal Competence in Individuals with TBI. 2010 ACRM-ASNR Annual Educational Conference in Montreal, Canada.
6. Hammond, F., **Neumann, D.**, and Hart, T. (2011, June), Connections between Impaired Emotion Recognition with Irritability, Aggression and Perceived Relationship Quality. Symposium: Regulation Of Irritability, Anger And Aggression After Traumatic Brain Injury: Review Of Pharmacologic And Non-Pharmacologic Treatments. 2011 Federal Interagency Conference on Traumatic Brain Injury; Washington, DC.
7. **Neumann, D.,** Turkstra, L., and Zupan, B. (2011, June), Using personal experiences and psychosocial methods to study emotional responses after TBI. Symposium: Studying Emotional Responses in Persons with Traumatic Brain Injury. 2011 Federal Interagency Conference on Traumatic Brain Injury; Washington, DC.
8. Willer, B; **Neumann, D**; Radnovich, AJ; Babbage, D; Zupan, B; and Tomita, M.  (2011, September), Empathy, affect recognition and dysosmia in persons with TBI.  North American Brain Injury Society, New Orleans, LA.
9. Willer, B., **Neumann, D**., Zupan, B., Babbage, Tomita, M. (2012, March), Loss of sense of smell from traumatic brain injury and perceived changes in empathy and interpersonal support. International Brain Injury Association, Edinburgh, Scotland.
10. Zupan, B. and **Neumann, D.** (2012, March), Using emotional and neutral film clips to investigate impaired affect recognition and empathic responses after TBI. International Brain Injury Association, Edinburgh, Scotland.
11. **Neumann, D**., Zupan, B., and Hammond, F. (2012, March), Do Affect Recognition and Alexithymia Contribute to Empathy After Traumatic Brain Injury?, International Brain Injury Association, Edinburgh, Scotland.
12. Zupan, B., Babbage, D.R., **Neumann, D**., & Willer, B. (2012, September). Recognition of nonverbal facial and vocal affect after traumatic brain injury. Paper presented at the North American Brain Injury Society’s Tenth Annual Conference on Brain Injury, Miami, FL.
13. Bartel, S., **Neumann, D**., Zupan, B., Babbage, D.R., & Willer, B. (2012, September). Factors Related to Community Integration and Relationship Quality after Traumatic Brain Injury. Paper presented at the North American Brain Injury Society’s Tenth Annual Conference on Brain Injury, Miami, FL.
14. Willer, B., Hammond, F., **Neumann, D**., Babbage, D., Zupan, B. (2012, October). Assessment and treatment of emotion recognition impairment after brain injury. *Instructional Course* ACRM Annual Educational Conference, Vancouver, Canada.
15. Willer, B., **Neumann, D**., Babbage, D., Zupan, B., Tomita, M. (2012, October). An evidence-based approach to treatment of impaired emotion recognition among individuals with TBI. *Symposium.* ACRM Annual Educational Conference, Vancouver, Canada.
16. **Neumann, D**. Malec, J., and, Hammond, F. (2013, July Datablitz). You did that on purpose!: Irritability and anger after traumatic brain injury may be related to cognitive attribution styles. Conference of the 10th Neuropsychological Rehabilitation Special Interest Group of the World Federation of NeuroRehabilitation (WFNR), Maastricht, Netherlands.
17. Kean, J. **Neumann, D**., Hammond, F., and Malec, J. (2013, November). The role of attribution and other factors in irritability and aggression after TBI. Symposium: Post-TBI Irritability and Aggression: New Findings and Clinical Implications. 90th ACRM Annual Conference, Progress in Rehabilitation Research, 12-16, Orlando, Florida, November 2013.
18. Zupan, B., **Neumann, D.,** Babbage, D.R., & Willer, B. (2014, March). Using social stories to assess emotional inferencing of people with traumatic brain injury. Paper presented at the International Brain Injury Association's 10th World Congress on Brain Injury. San Francisco, CA.
19. **Neumann, D.,** Wang, W., McDonald, B., Keiski, M., West, J., Smith, D., and Saykin, A. (paper presentation, March 2014). Neurobiological mechanisms associated with facial affect recognition deficits after traumatic brain injury. 10th World Congress on Brain Injury, San Francisco, USA.
20. **Neumann, D.,** Krawczyk, D., Cook, L., Bell, K., and Chapman, S. (2015). Advancing technologies for training emotion perception: An evolution towards virtual platforms. Symposium:The Assessment and Treatment of Real-life Cognitive and Socio-emotional Functioning: Past, Present, Future. Symposium at the 92nd ACRM Annual Conference, Progress in Rehabilitation Research, 27-30th, 2015 October, Dallas, Texas.
21. **Neumann, D.,** Malec, J., and Hammond, F. (oral presentation 2015). How people with and without brain injury judge others’ behaviors: emotion accepted dysregulation and treatment implications. Oral presentation at the 92nd ACRM Annual Conference, Progress in Rehabilitation Research, 27-30th, October, 2015 Dallas, Texas.
22. Zupan, B., **Neumann, D.,** Babbage, D., and Willer. B. (oral presentation 2015). Gender differences in Affect Recognition and Emotional Inferencing Following Traumatic Brain Injury. Oral presentation at the 92nd ACRM Annual Conference, Progress in Rehabilitation Research, 27-30th, October, 2015 Dallas, Texas.
23. Zupan, B., **Neumann, D.,** Babbage, D., and Willer. B. (symposium) Innovations in Social Cognition; Session Topic: Exploring gender differences in treatment outcomes for facial affect recognition and emotional inferencing following TBI. Symposium topic at the International Brain Injury Association’s 11th World Congress on Brain Injury, The Hague, Netherlands, March 2-5, 2016.
24. Parrot, D. Backhaus, S., **Neumann, D.**, Ibarra, S. (2016) Examination of a new couples treatment to enhance relationship satisfaction and communication following a brain injury. 13th Neuropsychological Rehabilitation Special Interest Group of the World Federation on NeuroRehabilitation, Glasgow, Scotland, UK. 11th-12th July 2016.
25. **Neumann, D.,** Backhaus, S., Hammond, F., and Malec, J. (Symposium Nov 2016). Enhancing Emotional Awareness and Communication after Traumatic Brain Injury. Symposium title: Relationship Problems after TBI: Challenges and Treatments. 93rd ACRM Annual Conference, Progress in Rehabilitation Research, October 31-Nov 5, 2016
26. **Neumann D,** Malec JF, Hammond FM. (Oral Presentation) Enhancing emotional insight after traumatic brain injury: A treatment for alexithymia. International Brain Injury Association’s 12th World Congress on Brain Injury in New Orleans, LA, 3/29-4/1/17.
27. **Neumann D,** Malec JF, Hammond FM. The influence of alexithymia, depression and anxiety on aggression after brain injury. International Brain Injury Association’s 12th World Congress on Brain Injury in New Orleans, LA, 3/29-4/1/17.
28. **Neumann D,** Malec JF, Hammond FM. The relationship between anger and negative attribution bias after brain injury. International Brain Injury Association’s 12th World Congress on Brain Injury in New Orleans, LA, 3/29-4/1/17.

**Poster Presentations**

1. **Radice. D.** and Hanson, S. (1998, September). A universal similarity function?: magnitude estimates for face-like exemplars. Poster presented at Rutgers Graduate Student Minisymposium.
2. **Radice-Neumann, D.** and Youakim, M. (November, 2003). Attentional modulation of visual evoked responses in cortex. Poster presented at University at Buffalo, Perry Lecture.
3. Yim, J., Babbage, D.R., Zupan, B., **Neumann, D**., & Willer, B. (2009, July). An overview of two treatments for affect recognition difficulties after traumatic brain injury. Poster presented at the AFRM/NIRR/NZRA conference, incorporating the 17th Annual Scientific Meeting of the AFRM, Queenstown, New Zealand.
4. Babbage, D.R., Yim, J., **Neumann, D**., Zupan, B., & Willer, B. (2009, July). Magnitude of affect recognition difficulties after traumatic brain injury. Poster presented at the AFRM/NIRR/NZRA conference, incorporating the 17th Annual Scientific Meeting of the AFRM, Queenstown, New Zealand.
5. **Neumann**, **D.** Hammond, F., Norton, J., Blumenthal, T. (2010, March). Modulated Startle Response: An Objective Measure of Emotional Responses After Traumatic Brain Injury. Poster presentation at 8th World Congress on Brain Injury, Washington, D.C.
6. Yim, J., Babbage, D.R., **Neumann, D.,** Zupan, B., & Willer, B. (2011, July). The relationship between cognitive functioning and facial affect recognition difficulties after traumatic brain injury.Poster presentation at the 8th Conference of the Neuropsychological Rehabilitation Special Interest Group of the World Federation of NeuroRehabilitation, Rotorua, New Zealand.
7. Schmid AA, Van Puymbroeck M, Altenburger P, Dierks T, Miller K, Schalk N, Damush T, Crabtree J, **Neumann D**, Williams L. (2011, October) Eight-Week Yoga Intervention Improves Quality of Life, Activity, and Social Participation after Stroke. American Congress of Rehabilitation Medicine, Atlanta, GA, October, 2011.
8. **Neumann, D.,** Zupan, B, Bartel, S., and Hammond, F. (2011, October). Using Film Clips to Assess Affect Recognition and Empathy in People with and Without TBI. American Congress of Rehabilitation Medicine, Atlanta, GA, October, 2011.
9. Zupan, B., and **Neumann, D.** (2011, November). Using emotional film clips to assess affect recognition and emotional responses in persons with and without TBI. American Speech-Language and Hearing Association, San Diego, CA, November, 2011.
10. Babbage, D., Zupan, B., **Neumann, D**., and Willer, B. (2012, July). Rasch analysis of the DANVA2 Adult Faces and Voices in people with traumatic brain injury. 9th Conference of the Neuropsychological Rehabilitation Special Interest Group of the World Federation for NeuroRehabilitation, Bergen, Norway, 2–3 July 2012.
11. Kean, J., **Neumann, D**. Malec, J., and Hammond, F. (Poster 2013, July). Irritability and aggression following brain injury: Toward a development of a cogent conceptual framework. Conference of the 10th Neuropsychological Rehabilitation Special Interest Group of the World Federation of NeuroRehabilitation (WFNR)
12. Zupan, B., **Neumann, D.,** Babbage, D., & Willer, B. (November, 2013) Inferring Emotion in Social Stories by People with Traumatic Brain Injury.90th ACRM Annual Conference, Progress in Rehabilitation Research, 12-16, November 2013, Orlando, FL. (Won ACRM Brain Injury Special Interest Group Early Career Poster Award).
13. Wang, Y., Krueger, G., West, J.D., **Neumann, D.,** McDonald B.C., Keiski, M.A., Smith, D.J., Saykin, A.J. (2014). Automatic segmentation to assess atrophy in chronic moderate and severe traumatic brain injury. Poster presented at Organization of Human Brain Mapping in June 2014 in Hamburg, Germany.
14. **Neumann, D.,** Zupan, B., Babbage, D., & Willer, B. (October, 2014) Socio-emotional Factors Associated with Relationship Stress after TBI.91st ACRM Annual Conference, Progress in Rehabilitation Research, 12-16, October 2014, Toronto, Ontario.
15. Kline, J. A. and **Neumann, D**. (June 2015) Relationship of patient affect to clinician-derived pretest probability assessment for pulmonary embolism. 2015 International Society on Thrombosis June 12-25, Toronto, Ontario.
16. **Neumann, D.,** Feldman, P., Malec, J., Hammond, F., and Trebley, J. (Aug 2015). Emotion dysregulation after traumatic brain injury: understanding the role of alexithymia and the potential of a novel training program. Military Health System Research Symposium (MHRS) August 17-20, 2015; Fort Lauderdale, Florida.
17. **Neumann, D.** Malec, J., and Hammond, F. (Aug 2015). Bias to perceive benign situations as intentionally hostile may contribute to anger disorder after traumatic brain injury: implications for proactive assessment and training in civilian and military populations. Military Health System Research Symposium (MHRS) August 17-20, 2015; Fort Lauderdale, Florida.
18. **Neumann, D.,** Feldman, P., Malec, J., Hammond, F., and Trebley, J. (Aug 2015). Emotion dysregulation after traumatic brain injury: understanding the role of alexithymia and the potential of a novel training program. VA Traumatic Brain Injury State-of-the-Art Research Summit August 24-25, 2015; Washington D.C.
19. **Neumann, D.** Malec, J., and Hammond, F. (Aug 2015). Bias to perceive benign situations as intentionally hostile may contribute to anger disorder after traumatic brain injury: implications for proactive assessment and training in civilian and military populations. VA Traumatic Brain Injury State-of-the-Art Research Summit August 24-25, 2015; Washington D.C.
20. **Neumann, D.** Malec, J., and Hammond, F. (May 2016). The influence of alexithymia, depression and anxiety on aggression after brain injury**.** 9th World Congress for Neurorehabilitation (WCNR 2016) Philadelphia, USA- May 10-13,2016.
21. **Neumann, D.** Malec, J., and Hammond, F. (May 2016). Enhancing emotional insight after traumatic brain injury: a treatment for alexithymia. 9th World Congress for Neurorehabilitation (WCNR 2016) Philadelphia, USA- May 10-13,2016.
22. **Neumann, D.** Malec, J., and Hammond, F. (May 2016). The relationship between anger and negative attribution bias after brain injury. 9th World Congress for Neurorehabilitation (WCNR 2016) Philadelphia, USA- May 10-13,2016.
23. **Neumann, D.,** Malec, J., and Hammond, F., (Nov 2016). **The Influence of Personal Emotional Awareness on Aggression after Brain Injury.** 93rd ACRM Annual Conference, Progress in Rehabilitation Research, October 31-Nov 5, 2016.
24. Kenrick, A. **Conner, J.M.,** and **Neumann, D**. Investigating impaired facial affect recognition in persons with traumatic brain injury through eye-tracking and gaze analysis. International Brain Injury Association’s 12th World Congress on Brain Injury in New Orleans, LA, 3/29-4/1/17.
25. Wolter, E., **Conner, J.M.,** and **Neumann, D.** Examining Emotion Interpretation Accuracy after a Traumatic Brain Injury by Using Eye Tracking, Life Health Science Intern Poster Session, Indiana University, Indianapolis, IN, 4/28/17

**Peer-reviewed Publications**

1. **Radice-Neumann, D**., Zupan, B., Babbage, D., and Willer, B. (2007). Overview of impaired facial affect recognition in persons with traumatic brain injury. *Brain Injury,* 21(8), 807-816.
2. Zupan, B., **Neumann, D**., Babbage, D., and Willer, B. (2009). The Importance of Vocal Affect to Bimodal Processing of Emotion: Implications for Individuals with Traumatic Brain Injury. Journal of Communication Disorders, *Journal of Communicative Disorders*, Jan-Feb;42(1):1-17.
3. **Radice-Neumann, D.,** Zupan, B., Tomita, M., and Willer, B. (2009) Training Emotional Processing in Persons with Brain Injury. *Journal of Head Trauma Rehabilitation*, 24 (5), 313-323.
4. Graham, J., **Radice-Neumann, D.,** Reistetter, T., Hammond, F., Disjkers, M., Granger, C. (2010). Influence of Sex and Age on Inpatient Rehabilitation Outcomes Among Older Adults with Traumatic Brain Injury, *Archives of Physical Medicine and Rehabilitation*, 91 (Jan), 43-50.
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11. Zupan, B., **Neumann, D.,** Babbage, D., & Willer, B. Using Social Stories to Assess Emotional Inferencing of People with Traumatic Brain Injury (TBI). In *Brain Injury, 2014* (Vol. 28, pp. 594-594, Vol. 5-6): INFORMA HEALTHCARE TELEPHONE HOUSE, 69-77 PAUL STREET, LONDON EC2A 4LQ, ENGLAND
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15. **Neumann, D.,** Malec, J. F., & Hammond, F. (2015). How People with and without Brain Injury Judge Others’ Behaviors: Emotion Dysregulation and Treatment Implications. *Archives of physical medicine and rehabilitation, 96*(10), e2.

**Non-Peer Reviewed Publications**

1. **Neumann, D.** (2009). Emotional Mis-communication: The “Heart” of Relationship Challenges after TBI. Brain Injury Association of North Carolina Newsletter, December Issue.
2. **Neumann D.**, Lequerica A. [Cognitive problems after traumatic brain injury.](http://www.ncbi.nlm.nih.gov/pubmed/25532424) Arch Phys Med Rehabil. 2015 Jan;96(1):179-80. doi: 10.1016/j.apmr.2013.06.003. PubMed PMID: 25532424.
3. **Neumann, D**. (June 2013). Talking with your spouse or Charlie Brown’s teacher? Miscommunication in couples after brain injury. *Brain Injury Journey: Hope, Help, Healing.* Issue #2.

**Books and Book Chapters**

1. **Neumann, D**. and Garay, E. Reviewing the Literature (Chapter). Hammond, F., Malec, J., Nick, T., & Buschbacher, R. (Eds.). (2014). *Handbook for Clinical Research: Design, Statistics, and Implementation*. Demos Medical Publishing.

**Research Support**

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| **CURRENT** |  |
| Indianapolis University Collaborative Research Grant (IUCRG)  Role: Co-Principle Investigator  Title: Virtual Reality to Assess and Treat Childhood Aggression  Purpose: To assess the feasibility of using virtual reality to measure aggression in adolescents. | Dates: 06/01/2016-5/31/2017  Effort: 30% (In Kind) |
| National Institute on Disability and Independent Living Rehabilitation Research Field Initiated Program  Role: Principal Investigator  Title: Examining determinants of negative attribution bias in people with traumatic brain injury  Purpose: To compare attribution bias in people with and without TBI, as well as determine the association between negative attribution bias and anger, and understand factors that may cause someone to have a higher risk for negative attribution bias. | Dates: 09/30/15-09/29/18  Effort: 25%  $599,999 |
| Indiana Spinal Cord and Brain Injury Research Fund (ISCBIRF)  Role: Principal Investigator  Title: Behavioral mechanisms Underlying Facial Affect Recognition Deficits after Brain Injury  Purpose: To elucidate the behavioral processes that are impaired after TBI that are associated with poor emotion recognition from faces. | Dates: 07/1/15-06/30/17  Effort: 25%  $159,644 |
| **COMPLETED** |  |
| 1R41HD077967-01  NIH/ STTR Phase I  Role: Principal Investigator  Title: The Emotion Builder: An Intervention for Emotional Deficits after Brain Injury  The goal of this Phase I STTR study is to develop and test the feasibility of a marketable virtual video game to treat problems with emotional self-awareness, affect recognition, and empathy after traumatic brain injury. | Dates: 07/01/2014-06/30/2015 (NCE 2016)  Effort: 15%  $194,000  $50,000 match from State |
| Indiana University Funding Opportunities for Research Commercialization and Economic Success (FORCES)  Role: PI  Title: The Emotion Builder: An Intervention for Emotional Deficits after Brain Injury  Purpose: To create live action video clips of actors simulating real-life emotional scenarios that will be used as training exercises in a larger intervention designed to teach patients with brain injury to enhance their emotional awareness and functioning. | Dates: 06/1/15-8/30/15  Effort: In-kind  $25,000 |
| Indiana Spinal Cord and Brain Injury Research Fund (ISCBIRF)  Role: Co-Investigator  Couples Caring and Relating with Empathy – Brain Injury Program (Couples CARE) | Dates: 7/01/2012-6/30/2015 (NCE)  Effort: 4% (my effort is completed on this project) |
| ICBRAIN Signature Center Grant, Indianapolis University  Role: Principal Investigator  Title: Neurobiological mechanisms underlying affect recognition deficits after brain injury | Dates: 01/01/2012- 12/31/2014  Effort: 30% (In kind) |
| Indianapolis University Collaborative Research Grant (IUCRG)  Role: Co-Investigator  Title: Neurobiological mechanisms underlying affect recognition deficits after brain injury | Dates: 02/15/2012-12/31/2013  Effort: 30% (In Kind) |
| Indiana Spinal Cord and Brain Injury Research Fund (ISCBIRF)  Role: Principal Investigator  Title: Testing the usability of hypothetical scenarios to study anger responses in people with traumatic brain injury. | Dates: 7/01/2011 to 6/30/2013  Effort: 12% |
| Mary E. Switzer Merit Fellowship (NIDRR)  Role: Principal Investigator  Title: Pilot study examining the relationship between anger and attributions of hostile intent after traumatic brain injury. | Dates: 10/2011-9/2012  NCE to 9/2013  Effort: 100% |
| NIDRR Field Initiated Grant awarded to the University at Buffalo (Principal Investigator: Dr. Barry Willer)  Role: Site Principal Investigator (Carolinas Rehabilitation)  Title:Controlled study of affect recognition training for individuals with traumatic brain injury | Dates: 10/01/08 to 9/30/12(NCE)  Effort: 8% |
| Completed: Cannon Research Grant 10-005  Role: Principal Investigator  Title: Using film clips to assess emotion recognition, emotion elicitation and empathy in persons with and without TBI | Dates: 4/01/10 to 3/30/11 |
| Completed:  Principal Investigator: Flora Hammond, MD  Role: Dissemination  Source: National Institute of Disability Rehabilitation & Research  Title: TBI Model System Collaborative: A multicenter randomized controlled trial of the effectiveness of amantadine hydrochloride in treating moderate to severe irritability due to TBI | Dates: 10/01/08 to 9/30/10 |
| Complete: Project #: H133A21943-16  Principal Investigator: Flora Hammond, MD  Role: Dissemination  Source: National Institute of Disability Rehabilitation & Research  Title: Carolinas Traumatic Brain Injury Rehabilitation & Research TBI Model System | Dates: 10/01/07 to 9/30/10 |
| Completed  Role: Principal Investigator  Mark Diamond Research Fund, # SP-06-20  Title: An intervention to enhance performance of persons with traumatic brain injury. | Dates: 04/01/06 to 03/31/08 |