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**VITA**

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**EDUCATION:**

Diploma Vista High School  
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B.S. Psychology  
Brigham Young University  
May 1971

Ph.D. Experimental-Physiological Psychology  
Brigham Young University  
December 1974

Post-Doctorate National Institute of Health  
Post-Doctoral Fellow in Neurophysiology-Neuropsychology  
Barrow Neurological Institute  
St. Joseph's Hospital and Medical Center  
Phoenix, Arizona  
January 1975 to June 1977

Major Areas of Training and Expertise Neuropsychology-Neurophysiology  
Neuropsychological Diagnostics and Consultation  
Neuroimaging

## **EXPERIENCE:**

2003-Present            Susa Young Gates Professor of Psychology and Neuroscience  
Brigham Young University  
Provo, Utah

2006-2010            Visiting Scholar  
Department of Psychiatry  
University of California at San Diego  
San Diego, California

2006-2013            Faculty  
The Brain Institute of Utah  
University of Utah  
Salt Lake City, Utah

2000-Present        Adjunct Professor of Psychiatry  
Department of Psychiatry  
University of Utah  
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2000-2006            Adjunct Professor of Radiology  
Department of Radiology  
University of Utah  
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1996- 2002            Department Chair  
Psychology Department  
Brigham Young University  
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1990-Present        Professor of Psychology and Neuroscience  
Department of Psychology  
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1991-2003            Steven V. and Georgia A. White  
Professor of Psychology  
Brigham Young University

1989-1990            Adjunct Professor of Psychology  
Department of Psychology  
University of Texas at Austin  
Austin, Texas

1978-1990            Private Practice/Full Partner  
Austin Neurological Clinic & EEG Laboratory  
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1989-1990            Adjunct Professor of Psychiatry  
Department of Psychiatry  
University of Texas Health Science Center at San Antonio  
San Antonio, Texas

1982-1989            Adjunct Associate Professor of Psychology  
Department of Psychology  
University of Texas at Austin  
Austin, Texas

1986-1989            Adjunct Associate Professor of Psychiatry  
Department of Psychiatry  
University of Texas Health Science Center at San Antonio

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Austin, Texas

1978-1982            Adjunct Assistant Professor of Psychology  
Department of Psychology  
University of Texas at Austin  
Austin, Texas

1977-1978            Chief Psychologist-Program Director  
Adolescent Unit  
Austin State Hospital  
Austin, Texas

1975-1977            Research Associate and NIH Post-Doctoral Fellow  
Division of Neurobiology  
Barrow Neurological Institute  
St. Joseph's Hospital and Medical Center  
Phoenix, Arizona

1975-1977            Consulting Psychologist, Outreach Services  
Diagnostic and Evaluation Center  
Mesa, Arizona

1976-1977            Visiting Instructor  
Department of Psychology  
Glendale College  
Glendale, Arizona

1972-1974            Student Instructor  
Department of Psychology  
Brigham Young University  
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1972-1974            Research Assistant  
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## **BOARD CERTIFICATION:**

Diplomate, American Board of Professional Psychology  
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## **NEUROPSYCHOLOGICAL TESTS AUTHORED:**

- Reynolds, C.R. & **Bigler, E.D.** (2001). Test de memoria y aprendizaje. Adaptación española: (Eduarne Goikoetxea). Madrid, Spain: Publicaciones de Psicología Aplicada, (TEA Ediciones).
- Reynolds, C.R. & **Bigler, E.D.** (2001). Clinical assessment scales for the elderly (CASE). Florida: Psychological Assessment Resources (PAR).
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- Stanton, H.C., Smith, E.C., Reynolds, C.R. & **Bigler, E.D.** (1994). Test of memory and learning: Computer scoring program (IBM Version 1.0). Austin, Texas: PRO-ED.

## **BOOKS:**

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- Bigler, E.D.**, Yeo, R. & Turkheimer, E. (1989). Neuropsychological function and brain imaging. New York: Plenum Press.

- Lezak, M.D., Howieson, D.B., **Bigler, E.D.**, Tranel, D. (2012). Neuropsychological Assessment. Oxford University Press, USA.
- Naugle, R., Cullum, C.M. & **Bigler, E.D.** (1998). Introduction to Clinical Neuropsychology. Austin, Texas: PRO-ED.
- Nussbaum, N.L. & **Bigler, E.D.** (1990). Identification and treatment of ADD: Child guidance mental health series. Austin, Texas: PRO-ED.

**BOOK CHAPTERS:**

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- Bigler, E.D.**, (2015). Neuropathology of Mild Traumatic Brain Injury: Correlation to Neurocognitive and Neurobehavioral Findings. (pp. 433-50) In Brain Neurotrauma: Molecular, Neuropsychological, and Rehabilitation Aspects. (697 pp.) CRC Press. Boca Raton, FL.
- Bigler, E.D.**, (2013). Overview of Traumatic Brain Injury (pp. 3-32). In Management of Adults with Traumatic Brain Injury (587 pp.). American Psychiatric Publishing. Washington D.C.
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- Bigler, E.D.**, (2012). Theoretical Approaches to Understanding Social Function in Childhood Brain Insults (pp. 207-30). In Vicki Anderson & Miriam H. Beauchamp (Eds) Developmental Social Neuroscience and Childhood Brain Insult: Theory and Practice (398 pp.). Guilford Press. N.Y.
- Bigler, E.D.**, (2012). Understanding Mild Traumatic Brain Injury: Neuropathology and Neuroimaging. In Jennifer J. Vasterling, Richard A. Bryant, & Terence M. Keane (Eds) PTSD and Mild Traumatic Brain Injury (308 pp.). Guilford Press. N.Y.
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- Bigler, E.D.**, (2009). Traumatic Brain Injury (pp. 233-56). In M.F. Weiner & A.M. Lipton (Eds) Textbook of Alzheimer Disease and Other Dementias (557 pp.). Washington, D.C.: American Psychiatric Publishing, Inc.
- Bigler, E.D.**, (2009). Neuroimaging (pp. 441-74). In R.G. Frank, M. Rosenthal, & B. Caplan (Eds) Handbook of Rehabilitation Psychology – 2<sup>nd</sup> Edition (504 pp.). Washington D.C.: American Psychological Association.
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- Bigler, E.D.** (1987). X-ray scanning techniques. In C.R. Reynolds & L. Mann (Eds.), Encyclopedia of special education (Vol. 3, p. 1685). John Wiley & Sons Publishers.
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Handbook of Neurodevelopmental and Genetic Disorders in Children (pp. 61-83). New York: Guilford Press.

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### **ACADEMIC COURSES TAUGHT:**

Psychobiology/Behavioral Neurobiology  
 Human Neuropsychology  
 Clinical Neuropsychology  
 Seminar in Clinical Neuropsychology  
 Experimental Psychology: Research Design  
 Neuropsychology Case Conference  
 Neuroimaging Analysis in Psychological Science

### **PAPERS, SPECIAL LECTURES, ABSTRACT & POSTER PRESENTATIONS, TRAINING SEMINARS, VIDEO SERIES & STUDY GUIDES:**

**Bigler, E.D.** (2016, November 4) "Practical Neuroimaging Guidelines for Understanding Traumatic Brain Injury Outcome." Invited Presenter. Presentation at McMaster University Annual Neurosciences Residents' Research Day in Hamilton, Ontario, Canada.

- Bigler, E.D.** (2016, October 21) "21st Century Neuroimaging Applications in the Practice of Clinical Neuropsychology." Invited Presenter. Presentation at the National Academy of Neuropsychology Conference in Seattle, Washington.
- Bigler, E.D.** (2016, October 2) "The passion brain." Invited Presenter. Presentation at the TEDx conference in Jackson Hole, Wyoming
- Bigler, E.D.** (2016, September 12) Brain health, aging and Alzheimer's Disease: Perspective from neuroimaging and neuropsychology. Invited Presenter. Presentation at the University of Montana in Missoula, Montana.
- Bigler, E.D.** (2016, September 12) Neuroimaging methods in the study of neural connectivity in brain health and disease. Invited Presenter. Presentation at the University of Montana in Missoula, Montana.
- Bigler, E.D.** (2016, July 7) Behavioral Neuroimaging Technology: What It Does and What It Can't, Part I and Part II. Invited Presenter. Presentation at the Mind and Criminal Defense Conference in Plano, Texas.
- Bigler, E.D.** (2016, May 31) A Systems Biology Approach to Neuroimaging and Neuropsychological Outcome in Traumatic Brain Injury. Invited Presenter. Presentation to Neurology Rounds, at the University of Calgary, Cumming School of Medicine in Calgary, Canada.
- Bigler, E.D.** (2016, May 30). What Quantitative Neuroimaging Tells Us About the Brain in Autism. Invited Presenter at the 2nd Annual Owerko Lecture in Neurodevelopment and Child Mental Health at the University of Calgary, Cumming School of Medicine in Calgary, Canada.
- Bigler, E.D.** (2016, May 20). A Systems Biology and Neural Network Perspective of TBI and Neurodevelopmental Disorders. Invited Presenter at Eastern Michigan University in Ypsilanti, Michigan.
- Bigler, E.D.** (2016, May 19). Advanced Neuroimaging Methods and Their Clinical Application. Invited Presenter at the Regent Beth Fitzsimmons Lecture at Eastern Michigan University in Ypsilanti, Michigan.
- Bigler, E.D.** (2016, May 5). Advanced Neuroimaging Methods and their Clinical Applications. Invited Presenter at Virginia Commonwealth University at the Medical College of Virginia in Williamsburg, Virginia.
- Bigler, E.D.** (2016, May 5). Better Understanding of Mild TBI: A Systems Biology and Neural Network Perspective via Neuroimaging. Invited presenter at the Mitch Rosenthal Memorial Lecture and Award, Virginia Commonwealth University at the Medical College of Virginia in Williamsburg, Virginia.
- Bigler, E.D.** (2016, April 16). Integrating neuroimaging techniques into your clinical practice. California Psychological Association Conference in Irvine, California.
- Bigler, E.D.** (2016, April 10). Neuroimaging, brain connectivity and neuropsychology: Predictors of resiliency in pediatric brain injury and neurodevelopmental disorders. Invited presenter at the 23rd Butters-Kaplan West Coast Neuropsychology Conference in San Diego, California.



- Bigler, E.D.,** (2016, March 9). Contemporary Neuroimaging Methods that Inform Neuropsychological Diagnostics. Invited Presenter, Utah State Hospital, Provo, Utah.
- Bigler, E.D.,** (2016, February 26). Advance Neuroimaging Methods in Traumatic Brain Injury. Invited Speaker, Utah Association for Justice Brain Injury Conference, Salt Lake City, Utah.
- Bigler, E.D.,** (2016, February 26). Objectivity of neuroimaging in understanding TBI. Invited Speaker, Utah Association for Justice Brain Injury Conference, Salt Lake City, Utah.
- Bigler, E.D.,** (2016, February 6). Cognitive Rehabilitation and Neuroimaging in Clinical Populations. Symposium Discussant, International Neuropsychological Society Conference, Boston, Massachusetts.
- Bigler, E.D.,** (2016, February 5). Clinical application of individualized quantitative neuroimaging for neuropsychology – precision medicine meets neurocognitive assessment. Paper presented at Session 7 “Imaging and Neuropsychology” of the International Neuropsychological Society Annual Conference, Boston, Massachusetts.
- Bigler, E.D.,** (2015, November 12). Recent brain injury research findings and the implications for people with a brain injury, family caregivers, and professionals in the field. Invited Presenter, Brain Injury Alliance “Lunch and Learn” program, Salt Lake City, Utah.
- Bigler, E.D.,** (2015, November 5). The relation of cortical thickness to post-concussive symptoms in mild TBI or orthopedic injury in a pediatric sample. Invited Presenter, National Academy of Neuropsychology (NAN) Conference, Austin, Texas.
- Bigler, E.D.** (2015, August 27). Imaging or Imaginery in TBI – The Possibilities and Limitations of Current Structural Imaging in TBI. Invited Presenter, The 2<sup>nd</sup> Turku Traumatic Brain Injury Symposium in Turku, Finland.
- Bigler, E.D.** (2015, August 28). Between unconsciousness and recovery – imaging correlates of cognitive deficits. Invited Presenter, The 2<sup>nd</sup> Turku Traumatic Brain Injury Symposium in Turku, Finland.
- Bigler, E.D.** (2015, May 1). Using Advanced Neuroimaging Techniques to Predict Functional Outcome in TBI. Invited Presenter, Menninger Clinic/Department of Psychiatry in Houston, Texas.
- Bigler, E.D.** (2015, April 23). Integrating Neuroimaging in the Practice of Clinical Psychology and Neuropsychology: Contemporary Methods of Analysis. Invited Presenter, California Psychological Association in San Diego, California.
- Bigler, E.D.** (2015, April 16). Malingering. Invited Lecturer, Scottsdale, Arizona.
- Bigler, E.D.** (2015, April 11). Networks, Connectivity, and Neuropsychology. Distinguished Lecturer, Rocky Mountain Psychology Association Conference in Boise, Idaho.

- Bigler, E.D.** (2015, March 14). Neuroimaging Networks. Invited presenter at the 10<sup>th</sup> Annual Brain Injury Rehabilitation Conference in San Diego, California.
- Bigler, E.D.** (2015, March 4). Neuroimaging Update in Mental Health. Invited presenter at Utah State Hospital in Provo, Utah.
- Bigler, E.D.** (2015, March 4). Wada (Intracarotid Amobarbital) Procedure: Clinical Applications. Invited presenter for the NAN DistanCE Live Webinar.
- Bigler, E.D.** (2015, February 6). Networks, Neural Connectivity and Neuropsychology. Presidential Address given at The International Neuropsychological Society Conference in Denver, Colorado.
- Bigler, E.D.** (2015, February 5). Using neuroimaging and connectivity modeling to understand network plasticity after brain injury: Advancing theory and methods. Symposium Participant for the International Neuropsychological Society in Denver, Colorado.
- Bigler, E.D.** (2015, January 17). Understanding the Latest Developments in Neuroimaging of Sports Concussion. Lecturer at the 3<sup>rd</sup> Annual Research on the Concussion Spectrum of Disorders Symposium in Toronto, Canada.
- Bigler, E.D.** (2014, November 8). Neuroimaging: Latest Advances in Assessment of TBI. Presenter in both the basic and advance course sessions at the Braintree Neurorehab Conference in Boston, Massachusetts.
- Bigler, E.D.** (2014, November 1). Advances in Neuroradiology. Presenter at the Scripps Neuro-Restorative Care Conference in San Diego, California.
- Bigler, E.D.** (2014, October 23). Imaging Brain Damage. Presenter in the Bristol Neurotraining Course Lecture via web.
- Bigler, E.D.** (2014, October 2). Networks, Connectivity and Neuropsychology: Latest in Understanding TBI. Invited Presenter at the Children's Specialized Hospital in Newark, New Jersey.
- Bigler, E.D.** (2014, August 11). Invited Panel Member advising the Institutes of Medicine on the use of symptom validity testing for Social Security Administration Disability Determination in Washington, D.C.
- Bigler, E.D.** (2014, July 9). Neuropsychology, Networks & Connectivity. Presidential Address in the International Neuropsychological Society mid-year meeting in Jerusalem, Israel.
- Bigler, E.D.** (2014, June 26). Current Controversies in Neuropsychology: The nature of the "I" in mTBI. Invited Presenter in the AACN Meetings in New York, New York.
- Bigler, E.D.** (2014, June 25). Overview of Symptom Validity Testing and Performance Validity Testing in the Context of Psychological Testing. Invited Participant of the SVT On-line Workshop.

- Bigler, E.D.** (2014, May 19). Clinical applications of DTI in Traumatic Brain Injury. Invited Presenter in the American Society of Neuroradiology's Special Session on TBI in Montreal, Canada.
- Bigler, E.D.** (2014, May 16). Neuroimaging correlates of functioning outcome. Invited Presenter at the Brain Injury Rehab Conference in San Diego, California.
- Bigler, E.D.** (2014, April 26). The Future of Neuroimaging in Sports Neuropsychology. Invited Keynote Speaker for the Sports Neuropsychology Society Conference in Dallas, Texas.
- Bigler, E.D.** (2014, April 16). Neuroimaging for Neuropsychologists. Presenter, online NAN DistanCE Webinar.
- Bigler, E.D.** (2014, March 26). Neuroimaging and Traumatic Brain Injury. Guest Lecturer, Utah State Hospital, Provo, Utah.
- Bigler, E.D.** (2014, March 23). Child Neuropsychology and Neuroimaging of Developmental Neural Networks. Invited speaker for 22<sup>nd</sup> Annual Butters-Kaplan West Coast Neuropsychology Conference, Sponsored by University of California, San Diego School of Medicine, San Diego, California.
- Bigler, E.D.** (2014, March 21). Neuroimaging of TBI: How focal lesions disrupt brain networks. Keynote Speaker for the Tenth World Conference in Brain Injury, International Brain Injury Association, San Francisco, California.
- Bigler, E.D.** (2014, March 20). Advances in Neuroimaging. Invited speaker for North American Brain Injury Society's 27<sup>th</sup> Annual Conference on Legal Issues in Brain Injury, San Francisco, California.
- Bigler, E.D.** (2014, March 6). Presenter for Utah Valley Stroke and Brain Injury Support Group, Provo, Utah.
- Bigler, E.D.** & Bauer, R. (2014, February 12). Function and Anatomy of the Temporal Lobe Memory System. Presenter, Student Workshop, International Neuropsychological Society, Seattle, Washington.
- Bigler, E.D.** (2014, February 21). Traumatic Brain Injury, Neuroimaging and Neurocognition. Presenter for Utah Attorney's Brain Injury Conference, Sponsored by Utah Association for Justice and the Brain Injury Alliance of Utah, Law and Justice Center, Salt Lake City, Utah.
- Bigler, E.D.** (2013, November 8). Neuroimaging of Network Damage in Traumatic Brain Injury. Invited Presenter for Annual Neuroscience of Brain Injury Conference, Long Beach Memorial Medical Center and Brain Injury Association of California, Napa, California.
- Bigler, E.D.** (2013, October 24). Autism and neurodevelopmental disorders. Invited Distance Lecturer, University of Bristol, Bristol, England.
- Bigler, E.D.** (2013, October 23). Neuropsychology and neuroimaging findings in the relation of concussion, mild traumatic brain injury, aging and dementia. Invited Lecturer,

Carl Zimet Lectureship: Division of Clinical Psychology, Psychiatry Grand Rounds, University of Colorado School of Medicine, Denver, Colorado.

- Bigler, E.D.** (2013, October 3). Neuroimaging of TBI. Invited Lecturer, Traumatic Brain Injury Seminar Series, McCausland Center for Brain Imaging, University of South Carolina. Columbia, South Carolina.
- Bigler, E.D.** (2013, September 13). Traumatic Brain Injury - Neuropathology, memory and outcome. International Neuropsychological Society Sponsored Symposium. Federation of the European Societies of Neuropsychology, Free University Berlin, Berlin, Germany.
- Bigler, E.D.** (2013, September 4). Latest in the Neuroimaging and Neuropsychology of Autism. Speaker, Kids on the Move, Orem, Utah.
- Bigler, E.D.** (2013, August 3). Neuropsychological Assessment, Neuroimaging, Neural Pathways and Networks: Cognitive and Brain. Presenter. American Psychological Association meetings, Honolulu, Hawaii.
- Bigler, E.D.** (2013, August 3). Speed Mentoring: Building research careers in geropsychology and neuropsychology. Mentor. Divisions 20 and 40, American Psychological Association, Honolulu, Hawaii
- Bigler, E.D.** (2013, June 14). Neuroimaging of Traumatic Brain Injury: Neuropathological Correlates of Neurobehavioral Outcome. Speaker. Wayne State University, Detroit, MI
- Bigler, E.D.** (2013, May 24). Mechanisms of degeneration in moderate-severe TBI. Presenter. Symposium 9: Traumatic brain injury as a neurodegenerative disorder? 7th Annual Canadian Neuroscience Meeting 2013, Toronto, Canada
- Bigler, E.D.** (2013, May 15). Through a Scanner Darkly: Functional Neuroimaging as Evidence of Mental Status. Speaker, 2013 Appellate Court Conference, Salt Lake City, UT
- Bigler, E.D.** (2013, March 28). Role of neuroimaging in neuropsychology. Presenter, Utah State Hospital, Provo, Utah.
- Bigler, E.D.** (2013, March 23). Correlates of neuroimaging and neuropsychology in traumatic brain injury. Presenter, Scripps 8th Annual Brain Injury Rehabilitation Conference, San Diego, California.
- Bigler, E.D.** (2013, March 7). Neuroimaging and rehabilitation outcome. Presenter via videoteleconferencing to International Conference on Recent Advances in Neurorehabilitation 2013; Conference, Valencia, Spain.
- Bigler, E.D.** (2013, March 1). Neuroimaging, networks and pediatric traumatic brain injury: Identifying the elusive lesion. Presenter, Neurosciences & Mental Health Program Symposium, The Hospital for Sick Children; Toronto, Canada.
- Bigler, E.D.** (2013, February 7). Brain and Cognitive Reserve in Traumatic Brain Injury. Presenter, International Neuropsychological Society Conference, Waikoloa, Hawaii.

- Bigler, E.D.** (2013, February 7). How to image the social brain in pediatric traumatic brain injury. Presenter, International Neuropsychological Society Conference, Waikoloa, Hawaii.
- Bigler, E.D.** (2012, December 6). TBI for families. Speaker, Utah Valley Traumatic Brain Injury and Stroke Support Group, Provo, Utah.
- Bigler, E.D.** (2012, November 28). Participant: Scientific Advisory Board Member, San Diego, California.
- Bigler, E.D.** (2012, November 4). How to fulfill the TBI education requirement in the medical school curriculum. Speaker, Association of American Medical Colleges,” San Francisco, California
- Bigler, E.D.** (2012, October 27). Neuropsychology 2012. Speaker, Houston Neuropsychological Society, Houston, Texas
- Bigler, E.D.** (2012, October 11). Neuropathology of mild traumatic brain injury: Relationship to neuroimaging findings. Speaker, Controversy in Concussion: From Brain to Behavior Conference, Penn State, College Station, Pennsylvania
- Bigler, E.D.,** (2012, July 26). Participant: USMA/USAMRMC-TATRC Sponsored Research Workshop on Mild/Moderate Brain Injury, West Point, New York.
- Bigler, E.D.,** (2012, June 21). Participant: Scientific Advisory Board, San Diego, California.
- Bigler, E.D.,** (2012, June 9). Speaker: 12<sup>th</sup> International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer, Williamsburg, Virginia.
- Bigler, E.D.,** (2012, May 4). Neuroimaging analysis and behavioral outcomes in neurological disease, aging and traumatic brain injury. Speaker. Core Health Presentation, Austin, Texas.
- Bigler, E.D.,** (2012, April 26). Mild TBI: What is it? What can be done? What can imaging bring to the table? Speaker. ASNR Conference, New York, New York.
- Bigler, E.D.,** (2012, April 20). Speaker: Utah Valley University Annual Autism Conference, Orem, Utah.
- Bigler, E.D.,** (2012, April 13). State of the Art Developments in Brain Imaging that Objectively Demonstrate Brain Injury: The Future is Now. Invited Speaker, UAJ/BIAU Brain Injury Conference Program. Utah Law and Justice Center
- Bigler, E.D.,** (2012, March 28). The Role of Functional Neuroimaging in Clinical Neuropsychology. Invited Speaker Utah State Hospital, Provo, Utah.
- Bigler, E.D.,** (2012, March 22-25). Neuroimaging the Brain’s Connectivity in Childhood Neuropsychiatric Disorders. Speaker. 21<sup>st</sup> Annual Butters-Kaplan West Coast Neuropsychology Conference, San Diego, California

- Bigler, E.D.,** (2012, Feb 16). Applied Memory and Hippocampal Functioning: Effects of Age and Disease. Attendee, International Neuropsychological Society Conference, Montreal, Canada
- Bigler, E.D.,** (2012, Feb 9). Participant, Scientific Advisory Board Member San Diego, California
- Bigler, E.D.,** (2011, Nov 8). Visual Rehabilitation. Invited Speaker. 15th Annual Yale Glaucoma Symposium. Orange, CT
- Bigler, E.D.,** (2011, Oct 17). Neuroimaging, neural connectivity, and clinical neuropsychology. Speaker. Fuller Research Colloquium, Pasadena, California
- Bigler, E.D.,** (2011, Oct 5). Autism: Neuroscience update. Speaker, Kids on the Move, Orem, Utah
- Bigler, E.D.,** (2011, Aug 17). Neuropsychological consultation and assessment: Diagnostic clinical neuropsychology, rehabilitation and treatment outcome. Speaker. Utah Case Managers Association, Salt Lake City, Utah
- Bigler, E.D.,** (2011, July 9). Neuroimaging, Neural Connectivity, and Neuropsychology. Invited Speaker. Sponsored by Neurological Foundation of NZ. INS/ASSBI 4<sup>th</sup> Pacific Rim Conference. Mid-Year Meeting of the International Neuropsychological Society 34<sup>th</sup> Annual Conference for the Australian Society for the Study of Brain Impairment. Australia.
- Bigler, E.D.,** (2011, June 29). Television Appearance, Insights with Jon DuPre, Brain Injury and Healing. Brigham Young University Broadcasting, Provo, Utah
- Bigler, E.D.,** (2011, May 6). Practical and Emerging Techniques for Imaging Sport-Induced Concussion. Invited Speaker. Sports Concussion Institute 5<sup>th</sup> Annual National Summit on Sports Concussion and Other Athletic Injuries. Los Angeles, CA.
- Bigler, E.D.,** (2011, April 29). Speaker: Clinical Neuropsychology, Neuroimaging and Brain Connectivity. Colorado Neuropsychological Society, Denver, Colorado
- Bigler, E.D.,** (2011, April 7). Speaker: Brain Injury Group, Provo, Utah
- Bigler, E.D.,** (2011, March 9). Speaker, Grand Rounds Presentation, Utah State Hospital, Provo, Utah
- Bigler, E.D.,** (2011, March 3). When Brain Injury Strikes a Professional. Invited Panel Member. Brain Injury Conference. Radisson Hotel Downtown, Salt Lake City, Utah.
- Bigler, E.D.,** (2010, June 10). Key Note Address: Putting the Brain Back into Mild TBI – Current Science and Future Directions. Invited Speaker, Sunnybrook Health Sciences Centre: Advances in the Management of Early Traumatic Brain Injury Conference, Toronto, Canada.
- Bigler, E.D.,** (2010, April 29). Advances in Neuroimaging. Invited speaker, Brain Injury Litigation Series, Las Vegas, Nevada.

- Bigler, E.D.,** (2010, March 12). Windows to the Brain: Updates in TBI neuroimaging. Chairperson for plenary session. International Brain Injury Association, Washington, D.C.
- Bigler, E.D.,** (2010, March 11). Mild TBI: Current science and future directions. Invited speaker with James Kelly, M.D. International Brain Injury Association, Washington, D.C.
- Bigler, E.D.,** (2010, March 4). Traumatic brain injury update. Invited speaker, Utah Association for Justice Conference, Radisson Hotel, Salt Lake City, Utah.
- Bigler, E.D.,** (2010, March 3). Functional neuroimaging in clinical neuropsychology. Invited speaker, Utah State Hospital, Provo, Utah.
- Bigler, E.D.,** (2010, February 18-19). Distinguished Visiting Professor (DVP) of Psychology. Invited Speaker to the Department of Psychology at Wilford Hall Medical Center, Lackland Air Force Base, San Antonio, Texas.
- Bigler, E.D.** (2010, February 5). The profile of memory impairment in autism [poster session]. Presented at the Annual Conference of the International Neuropsychological Society, Acapulco, Mexico.
- Bigler, E.D.** (2010, February 5). Prominent recency effect in a list-learning task in autism [poster session]. Presented at the Annual Conference of the International Neuropsychological Society, Acapulco, Mexico.
- Bigler, E.D.** (2010, February 4). Inconsistent recall on a verbal selective reminding task in autism [paper presentation]. Annual Conference of the International Neuropsychological Society, Acapulco, Mexico.
- Bigler, E.D.** (2010, February 4). Stability of brain volume from mid-childhood through adolescence and early adulthood in autism. [Paper presentation]. Annual Conference of the International Neuropsychological Society, Acapulco, Mexico.
- Bigler, E.D.** (2010, February 4). Cognitive reserve in pediatric traumatic brain injury. Symposium #4: The cognitive reserve hypothesis: Clinical expression of neurologic diseases across the lifespan. Presented at the annual conference of the International Neuropsychological Society, Acapulco, Mexico.
- Bigler, E.D.,** (2010, February 3). Admissibility and appropriate use of symptom validity science in forensic consulting (with Paul Kaufmann and Glenn Larrabee). Invited speaker, Annual Conference of the International Neuropsychological Society, Acapulco, Mexico.
- Bigler, E.D.,** (2010, February 3). Neurologic sequelae of medical illness: Neuroimaging predictors of cognitive outcomes (with Max Gunther). Invited symposiast, Annual Conference of the International Neuropsychological Society, Acapulco, Mexico.
- Bigler, E.D.,** (2009, December 8). Neuroimaging: State-of-the-art neuroimaging of traumatic brain injury from acute injury to chronic abnormalities. Invited speaker. Department of Veteran Affairs National VHA/DOH Conference: Sensory Impairment Issues in Traumatic Brain Injury, Chicago, Illinois.

- Bigler, E.D.,** (2009, October 16). Neuroimaging methods that define structural and functional pathology in traumatic brain injury. Invited speaker, 22<sup>nd</sup> Annual Conference on Legal Issues in Brain Injury, Austin, Texas.
- Bigler, E.D.,** (2009, October 16). The limits of forensic neuropsychology: Legal and clinical perspectives. Invited speaker, 22<sup>nd</sup> Annual Conference on Legal Issues in Brain Injury, Austin, Texas.
- Bigler, E.D.,** (2009, October 8). Neuroimaging Investigations of the Mind and Behavior. Graduate CS Department Colloquium Series, Brigham Young University, Provo, Utah.
- Bigler, E.D.** (2009, September 24-25). Neuroimaging Advances and Clinical Neuropsychology. Invited speaker, Walter Reed Institute for Post-Graduate Study in Neuropsychology – Fall 2009 Conference, Walter Reed Hospital, Washington, D.C.
- Bigler, E.D.,** (2009, August 14). Persistent Post-Concussion Syndrome. Keynote Speaker, MTBI 2009 Conference, First International multidisciplinary conference on Mild Traumatic Brain Injury, Fairmont Hotel Vancouver, Vancouver, British Columbia, Canada.
- Bigler, E.D.,** (2009, July 26). Neuroimaging Today in Traumatic Brain Damage Cases. Invited speaker, American Association for Justice, San Francisco, California.
- Bigler, E.D.,** (2009, June 19). Mock Depositions and Cross Examinations of Experienced Neuropsychological Experts. Invited Speaker, American Academy of Clinical Neuropsychologists (AACN), San Diego, California.
- Bigler, E.D.,** (2009, June 3). Participant, External Advisory Board (EAB) for the Department of Defense Post-Traumatic Stress Disorder and Traumatic Brain Injury Clinical Consortium (INTRuST), San Diego, California.
- Bigler, E.D.,** (2009, May 6). Neuroscience Grand Rounds. Department of Neuroscience, University of Portland, Portland, Oregon, USA.
- Bigler, E.D.,** (2009, April 9). Contemporary Neuropsychological and Neuroimaging of Acquired Brain Injury. Invited Featured Presenter for the Brain Injury Association of Utah and the Utah Association for Justice, 25<sup>th</sup> Annual Conference, Salt Lake City, Utah, USA.
- Bigler, E.D.,** (2009, April 8). Mitch Rosenthal Webinar: Model Systems TBI, May issue, *Archives of Physical Medicine and Rehabilitation*. Mitch Rosenthal Lecture Series of the Academy of Certified Brain Injury Specialists (ACBIS). A special issue of the *Journal of Head Trauma Rehabilitation*. Continuing Education Webinar for the Mitch Rosenthal Memorial Lecture Series.
- Bigler, E.D.,** (2009, April 6). Advances in Neuroimaging. Keynote Speaker, 25<sup>th</sup> Annual Statewide Conference – Brain Storm!, Brain Injury Association of Texas (BIATX), 25<sup>th</sup> Annual Statewide Conference, AT&T Executive Education and Conference Center, Austin, Texas.



- Bigler, E.D.,** (2009, April 6). Brain Imaging and Traumatic Brain Injury (TBI). Keynote Speaker, Austin Neuropsychological Society Quarterly Conference, Austin State Hospital, Austin, Texas.
- Bigler, E.D.,** (2009, April 4). How to Use Contemporary Neuroimaging Findings to Guide Neuropsychological Therapies in Child Clinical Populations. Faculty speaker: 19<sup>th</sup> Annual Nelson Butters' West Coast Neuropsychology Conference: Advances in the Neuropsychological Assessment and Treatment of School-Aged Children with Cognitive Disorders, San Diego Hilton Resort, California.
- Bigler, E.D.,** (2009, March 26). The Enchanted Loom: MRI, The Developing Brain and Autism. Invited lecturer, 16<sup>th</sup> Annual Martin B. Hickman Outstanding Scholar Lecture, College of Family, Home and Social Sciences, Brigham Young University, Provo, Utah, USA.
- Bigler, E.D.,** (2009, March 4). The Importance of Neuroimaging in Understanding Mental Health. Invited Speaker, Utah State Hospital, Provo, Utah, USA.
- Bigler, E.D.,** (2009, January 16) Grand Rounds Lecture, New Mexico State University, Las Cruces, New Mexico.
- Bigler, E.D.,** (2008, November 14) Grand Rounds Lecture: TBI: Neuroimaging Predictors of Cognitive and Rehabilitation Outcome. Invited lecture, the Rush Presbyterian Hospital, Rush University, Chicago, Illinois.
- Bigler, E.D.,** (2008, November 14) A Practical Guide to Neuroimaging Methods for Rehabilitation Prognosis in Traumatic Brain Injury. Invited lecturer for resident students, the Rush Presbyterian Hospital, Rush University, Chicago, Illinois.
- Bigler, E.D.,** (2008, November 1) Using Neuroimaging to Guide and Direct Therapies and Predict Outcome from TBI. Invited speaker/presenter, Braintree Rehabilitation, Boston, Massachusetts.
- Bigler, E.D.,** (2008, November 1) Advanced Neuroimaging Techniques in the Detection of Traumatic Brain Injury. Invited speaker/presenter, Braintree Rehabilitation, Boston, Massachusetts.
- Bigler, E.D.,** (2008, October 30) The Role of Structural MRI in the Assessment of TBI. Invited speaker: The Advanced Imaging Modalities Related to TBI, at the Cleveland Clinic Annual Neuroimaging in Traumatic Brain Injury Conference, Intercontinental Hotel & Bank of America Conference Center, Cleveland, Ohio.
- Bigler, E.D.,** (2008, October) The Conversation Series: Traumatic Brain Injury Companion Series: Traumatic Brain Injury: Interviews With Experts. Invited presenter for “. . . a series of videotaped discussions on topics of professional importance by leaders in the field . . . starters for training seminars, or to meet continuing professional development (CPD) requirements for the Nationally Certified School Psychology (NCSP) credential.” Published by the Publications Committee of Division 16 Division of School Psychology, of the American Psychological Association (APA).

- Bigler, E.D.,** (2008, October 2) Traumatic Brain Injury: From Concussion to Severe Injury. Invited speaker, The Utah Valley Regional Medical Center, Emergency Medicine/Critical Care Symposia.
- Bigler, E.D.,** (2008, October 2) Neuroimaging and Cognitive and Neurobehavioral Assessment. Invited speaker, The Utah Valley Regional Medical Center, Emergency Medicine/Critical Care Symposia and Outcome.
- Bigler, E.D.,** (2008, September 11-12) Advanced Neuroimaging Techniques in Detecting the Sequelae of Traumatic Brain Injury. Sole, invited speaker/presenter, for Traumatic Brain Injury Litigation Group, Las Vegas, Nevada.
- Bigler, E.D.,** (2008, July 21) Cognitive and Behavioral Sequelae Found in Traumatic Brain Injury. Invited speaker, Wasatch Mental Health, Provo, Utah.
- Bigler, E.D.,** (2008, June 12-13) Neuroimaging in Traumatic Brain Injury: A Better Understanding of Cognitive and Behavioral Effects. Invited speaker, Tripler Medical Facility, Honolulu, Hawaii.
- Bigler, E.D.,** (2008, June 2) Grand Rounds (Rehab): "Cognitive and Behavioral Effects in Brain Injury," Rehabilitation Hospital of the Pacific, Honolulu, Hawaii.
- Bigler, E.D.,** (2008, June 2) Cognitive and Behavioral Effects in Brain Injury. Invited speaker, Queens Medical Center, Honolulu, Hawaii.
- Bigler, E.D.,** (2008, April 17). Neuroimaging in Understanding Disabilities. Invited lecture for the Utah Chapter of the Association on Higher Education and Disability (Utah AHEAD) Conference, Salt Lake City Community College, Salt Lake City, Utah.
- Bigler, E.D.,** (2008, April 4-5). Neuropsychological Assessment in the Next Decade: The Integration of Structural and Functional Neuroimaging. Invited presenter for the 18<sup>th</sup> Annual Nelson Butter's West Coast Neuropsychology Conference – Innovations in Assessment, held at the University of California at San Diego. Hilton San Diego Resort, San Diego, CA.
- Bigler, E.D.,** (2008, March 20) Symptom-Validity Testing: Its Proper Role in Neuropsychological Assessment. Invited presenter for the 2008 Brain Injury Conference of The Brain Association of Utah and the Utah Association for Justice. The Radisson Hotel, Salt Lake City, Utah.
- Bigler, E.D.,** (2008, March 20) A Panel of Doctors Answer Questions on Pediatric Brain Injury. Invited panel member for the 2008 Brain Injury Conference of The Brain Association of Utah and the Utah Association for Justice. The Radisson Hotel, Salt Lake City, Utah.
- Bigler, E.D.,** (2008, March 20) State of the Art Developments in Brain Imaging that Objectively Demonstrate Brain Injury: The Future is Now. Invited presenter for the 2008 Brain Injury Conference of The Brain Association of Utah and the Utah Association for Justice. The Radisson Hotel, Salt Lake City, Utah.

- Bigler, E.D.,** (2008, February) Neuroimaging in Neurobehavioral Research. Invited speaker for the Journal Club, HIV Neurobehavioral Research Center, HNRC, University of California, San Diego, California.
- Bigler, E.D.,** (2008, January 30) Traumatic Brain Injury: The Role of Quantitative Neuroimaging in Identifying Structural Abnormalities for Neuropsychological Outcomes Studies. Invited presentation given for the Neuroimaging at Utah Symposium at The Brain Institute at the University of Utah, Utah.
- Bigler, E.D.,** (2007, December 4) State-of-the-Art Neuroimaging of Traumatic Brain Injury from Acute Injury to Chronic Abnormalities. Invited presenter for Visual Consequences of Acquired Brain Injury Conference presented by the Department of Veterans Affairs Employee Education system and Department of Defense and Rehabilitation Strategic Healthcare Group, Course#.08.ST.PT.VCOTBICONF.A, Crowne Plaza San Antonio, Riverwalk, San Antonio, Texas.
- Bigler, E.D.,** (2007, November 17) Useful Clinical Ratings of CT and MRI in the Clinical Practice of Neuropsychology. Invited Speaker, 27<sup>th</sup> Annual Conference of the National Academy of Neuropsychology, Westin Kierland Resort & Spa in Scottsdale, Arizona, USA.
- Bigler, E.D.,** (2007, November 8) Neuroimaging in Pediatric TBI. Discussant. New Frontiers in Pediatric Traumatic Brain Injury International Conference held at the Westin San Diego at Emerald Plaza, San Diego, California, USA.
- Bigler, E.D.,** (2007, June 2) Update on Neuroimaging and Clinical Neuropsychology in Children and Adults. Conference Speaker (CE provider) for 16<sup>th</sup> Annual conference on Neuropsychology of the Northern California Neuropsychology Forum held at School of Nursing Auditorium, University of California San Francisco (UCSF), San Francisco, California, USA.
- Bigler, E.D.,** (2007, April 30) Neuroimaging and the Practice of Clinical Neuropsychology. Invited speaker for the Houston Neuropsychology Society, Westheimer Medical Center, Manvel, Texas, USA.
- Bigler, E.D.** (2007, March 22) Neuroanatomy for Health Care Professionals: BYOL (Bring Your own Laptop). Invited pre-conference workshop, 17<sup>th</sup> annual Nelson Butters' West Coast Conference: Advances in the Neuropsychological Assessment and Treatment of School-Aged Children with Cognitive Deficits., University of California at San Diego (UCSD). San Diego, CA, USA.
- Bigler, E.D** (2007, March 8) The Aging Brain: Implications for TBI Victims. Featured Presentation. The 2007 Brain Injury Conference of The Brain Injury Association of Utah and The Utah Trial Lawyers Association, Salt Palace Convention Center, Salt Lake City, Utah, USA.
- Bigler, E.D** (2007, March 8) Proving Brain Injury Objectively: Major Conceptual and Technological Advances. Featured Presentation. The 2007 Brain Injury Conference of The Brain Injury Association of Utah and The Utah Trial Lawyers Association, Salt Palace Convention Center, Salt Lake City, Utah, USA.

- Bigler, E.D.** (2007, March) Distinguished Visiting Professor (DVP) of Psychology. Invited Speaker to the Department of Psychology at Wilford Hall Medical Center, Lackland Air Force Base, San Antonio, Texas 78236, USA.
- Bigler, E.D.** (2007, January 11) Neuroimaging and Biomedical Engineering. Invited Presentation given to BYU Biomedical Engineering Club, Clyde Building, Brigham Young University, Provo, Utah, USA.
- Bigler, E.D.,** (2006, October 19) Neuroimaging & Neurocognitive Outcome in TBI: A Lifespan Perspective. Keynote Speaker: 17<sup>th</sup> Annual Family & Professionals Conference, The Brain Injury Association of Utah (BIAU). Davis Conference Center, Layton, Utah, USA.
- Bigler, E.D.,** (2006, October 17) Neuroimaging and Cognitive Neuroscience: Contemporary Methods for Studying Brain-Behavior Relationships. Invited speaker: Seminar for the Department of Statistics, Brigham Young University. Provo, Utah, USA.
- Bigler, E.D.,** (2006, October 6) Neuroimaging and Neurocognitive Outcome in Mild Traumatic Brain Injury (TBI) – Status Update 2006. Invited Speaker: California Pacific Medical Center 5<sup>th</sup> Annual Brain Injury Conference for Health Care Professionals: Mild Traumatic Brain Injury: Theory assessment & Practice. Cathedral Hill Hotel, San Francisco, California.
- Bigler, E.D.,** (2006, September 29) Cognitive Neuroscience & Neuroimaging Findings in Pediatric Acquired Brain Injury & Developmental Disorders. Invited Keynote presentation: 2006 Health and Wellness Forum: Developmental Disabilities: Innovations in diagnosis, Treatment & Service Delivery (September 27-29, 2006). Catamaran Resort Hotel, San Diego, California.
- Bigler, E.D.,** (2006, September 14) Recent Advances in Neuroimaging. Invited Speaker. North American Brain Injury Society (NABIS) 2006 Brain Injury Conference of the Americas (September 14-16, 2006). Eden Rock Hotel, Miami Beach, Miami, Florida.
- Bigler, E. D.,** (2006, September 1) Neuroimaging and Neurocognitive Outcome in Traumatic Brain Injury. Invited Speaker: California Brain Injury Association Conference (CALBIA) (September, 1- 3, 2006). State of the Art Medical and Rehabilitative Care in Brain Injury: Clinical and Legal Implications. Silverado Resort, Napa, California.
- Bigler, E.D.,** (2006, July 26- 30) Emerging Neuroimaging Techniques in TBI: Relationships to Neuropsychological Outcome. Invited Speaker: International Neuropsychological Society Continuing Education Program: From Plasticity to Rehabilitation, INS/SVNP/GNP Meeting, University of Zurich, Mid-Year Meeting. Zurich, Switzerland.
- Bigler, E.D.,** (2006, May 22) Clinical Neuropsychology in the Era of cognitive Neuroscience and Neuroimaging. Grand Rounds: University of Alabama at Birmingham, School of Medicine and Department of Psychiatry & Behavioral Neurobiology. Birmingham, Alabama.

- Bigler, E.D.,** (2006, April 29 – May 5) Morphometric and Spectroscopic Imaging in Autism. Invited Speaker: Neuroradiology Education and Research (NER) Foundation Symposium 2006: Neuroimaging: State of the Art and Beyond and American Society of Neuroradiology (ASNR) 44<sup>th</sup> Annual Meeting. In session: The Brain – Basis of Autism: Recent Neurobiological and Neuroimaging Research (Moderators: Gary L. Hedlund, D.O.; Santiago, Medino, M.D.). San Diego Convention Center, San Diego, California.
- Bigler, E.D.,** (2006, March 23-26) Integrity of the Medial Temporal Lobes in Childhood Disorders. Invited Speaker: Nelson Butter’s Annual Conference for Advances in Pediatric Neuropsychology: From Toddlers Through School-Aged Children. Wyndham San Diego at Emerald Plaza, San Diego, California.
- Bigler, E.D.,** (2006, March 9) 21st Century Technology that Demonstrates Brain Injury. Invited Speaker: 2006 Utah Lawyer’s Association & Brain Injury Association of Utah (UTLA/BIAU): 2006 Attorney’s Brain Injury Conference Program. Little American Hotel, Salt Lake City, Utah.
- Bigler, E.D.,** (2006, March 3) Advances in Neuroimaging and Traumatic Brain Injury. Keynote Speaker: Leonard Diller Lecture, 8<sup>th</sup> Annual Conference of the American Board of Rehabilitation Psychology, Inc. (ABRP) and the American Psychological Association (APA) Division of Rehabilitation Psychology (Div 22). J.A. Nugget Hotel, Reno, Nevada.
- Bigler, E.D.,** (2005, October 13-16) Diffusion Tensor Imaging of TBI. Invited Presenter: the Conemaugh International Symposium: Group II – Acute Care; International Brain Injury Association. International symposium held in conjunction with the Conemaugh Health System, the John P Murtha Neuroscience and Pain Institute, and the National Brain Injury Research, treatment and Training foundation, in association with the Brain Injury Association of America: Finding a “Cure” for Brain Injury, Improving Quality of Life. Holiday Inn Downtown, Johnstown, Pennsylvania. This symposium was the basis of a Report to Congress of the United States of America: A Call for Action. Conemaugh International Symposium: Toward Successful Recovery from Traumatic Brain Injury: Improving Outcomes – submitted April 6, 2006.
- Bigler, E.D.,** (2005, September 30) Clinical Neuroscience: Neuroimaging and Mental Health. Invited speaker at the Association of Mormon Counselors and Psychotherapists (AMCAP) Fall Convention 2005; Perspectives in Mental Health: 30 Years of AMCAP, Joseph Smith Memorial Building, Salt Lake City, Utah.
- Bigler, E.D.,** (2005, September 29). Neuroimaging and Neurocognitive Outcome in Traumatic Brain Injury. Invited Speaker, Brain Injury Association of Michigan 25<sup>th</sup> Annual Conference “Our Mission Continues”, Radisson Hotel, Lansing, Michigan.
- Bigler, E.D.,** (2005, September 22) Structural and 3D Neuroimaging. Invited Speaker, (Plenary III) 2005 North American Brain Injury Society (NABIS) Conference Brain Injury: New Science, Best Practices and Future Innovations. Ritz Carlton Resort, Jacksonville, Amelia Island, Florida.
- Bigler, E.D.,** (2005, August 18-21). MRI & the future of the relevance of neuropsychology. Invited Address, 2005 American Psychological Association (APA) Division 40 Convention. Renaissance Hotel, Washington, D.C.

- Bigler, E.D.,** (2005, June 16-18). Fine Structural MRI Analysis in Traumatic Brain Injury: Relationship to Neuropsychological Outcome. Abstract presented at the 2005 American Academy of Clinical Neuropsychology (AACN) Scientific Program, Workshops & Second Annual Meeting, Minneapolis Marriot Center. Minneapolis, Minnesota.
- Bigler, E.D.,** (2005, May 23-24). Invited Reviewer of Department of Clinical and Health Psychology, College of Public Health and Health Professions, University of Florida. Gainesville, Florida.
- Bigler, E.D.,** (2005, May 6). Neuroimaging and Neurocognitive Outcome in Traumatic Brain Injury – Status Report 2005. International Invited Speaker: 6<sup>th</sup> World Congress on Brain Injury, Presented by the International Brain Injury Association (IBIA). Melbourne, Australia.
- Bigler, E.D.,** (2005, May 3). High Resolution 3T Imaging of the Fine Structure of the Ventral Striatum and Limbic System: Relationship to Neuropsychological Outcome Following TBI. Invited Speaker: Australian Psychological Society (APS) College of Clinical Neuropsychologists, Victorian Section & St Vincent’s Hospital, Neuropsychology Unit, Education Seminar. Melbourne, Australia.
- Bigler, E.D.,** (2005, April 22). Traumatic Brain Injury and Postconcussion Syndrome. Invited Presentation: 2005 American Bar Association/American Psychological Association (ABA/APA) National Institute on “Psychological and Neuropsychological Evidence in Personal Injury and Medical Malpractice Cases”, ABA Center for Continuing Legal Education. Chicago, Illinois, USA.
- Bigler, E.D.,** (2005, April 22). Carbon Monoxide Poisoning. Invited Presentation: 2005 American Bar Association/American Psychological Association (ABA/APA) National Institute on “Psychological and Neuropsychological Evidence in Personal Injury and Medical Malpractice Cases”, ABA Center for Continuing Legal Education. Chicago, Illinois, USA.
- Bigler, E.D.,** (2005, April 20). Neuroimaging, Cognitive Neuroscience and Clinical Neuropsychology: Practice Challenges of the 21<sup>st</sup> Century. Invited Speaker: Rosalind Franklin Colloquium, Rosalind Franklin University School of Medicine-formerly Finch School of Health Sciences/The Chicago Medical School. Chicago, Illinois, USA.
- Bigler, E.D.,** (2005, April 2). Frontotemporal Pathology: Neuropsychological and Neuroimaging Findings Across Disorders. Invited Presentation: 15<sup>th</sup> Annual Nelson Butter’s West Coast Neuropsychology Conference “Advances in Neuropsychological Assessment in the Differentiation of Neurobehavioral Syndromes.” In conjunction with University of California, San Diego, School of Medicine, Department of Psychiatry. Wyndham San Diego Hotel, Emerald Plaza, San Diego California, USA.
- Bigler, E.D.,** (2005, March 30). The Neuropsychology TBI and Anoxia. Presentation for Wasatch Mental Healthcare Providers. Provo, Utah.

- Bigler, E.D.,** (2005, March 3). Premature Aging. Presentation given at 2005 Conference on Brain Injury, Presented by Brain Injury Association of Utah and the Utah Trial Lawyers Association. Red Lion Hotel, Salt Lake City, Utah.
- Bigler, E.D.,** (2005, March 3). Breakthroughs in 21<sup>st</sup> Century Neuroscience. Presentation given at 2005 Conference on Brain Injury, presented by Brain Injury Association of Utah and the Utah Trial Lawyers Association. Red Lion Hotel, Salt Lake City, Utah.
- Bigler, E.D.,** (2005, February 25) Neuroimaging as a Research Tool in Cognitive Neuroscience, Visiting Professor, Class Lecture, Florida Atlantic University, Davie, FL.
- Bigler, E.D.** (2005, February 24) Cognitive Neuroscience and Human Behavior, Keynote Lecture: Broward Psychology Fair, Florida Atlantic University. Davie, FL.
- Bigler, E.D.,** (2005, February 19). Neuropsychology and Neuroimaging in Criminal Defense or Underdeveloped Brains and Damaged Brains and Why Does it Matter? Presentation, CACJ/CPDA Capital Case Defense Seminar. Monterey Conference Center, Monterey, CA.
- Bigler, E.D.,** Rex Jung (2005 February 2-5) Biological Mechanisms Underlying General Intelligence (“g”). International Neuropsychological Society 33<sup>rd</sup> Annual Meeting, Discussant. Adam’s Mark Hotel, St. Louis, MI.
- Bigler, E.D.,** (2005, January 27). Neuropsychology Seminar for Southern Utah University, Invited Speaker: General University Assembly, Cedar City, Utah.
- Bigler, E.D.,** (2005, January 27). Brain, Behavior and Mental Health. Guest Lecturer for Southern Utah University’s (SUU) Convocation Lecture Series. Cedar City, Utah.
- Bigler, E.D.,** (2004, December 9). Advances in Neuroimaging and Implications for Treatment and Prognosis. Invited Speaker for Brain Injury Association of America (BIAA) Winter Symposium “Rehabilitation of Traumatic Brain Injury: The State of the Art”. Hotel Washington, Washington, D.C.
- Bigler, E.D.** (2004, November 4-5). Neuropsychology. Invited Speaker for Texas Association of Defense Council “2004 TADC Contemporary Issues In Personal Injury Litigation Seminar.” Westin City Center, Dallas, Texas, USA.
- Bigler, E.D.** (2004, October 5). Neuroimaging in Neuropsychology, Psychiatry Grand Rounds, Dartmouth Medical School. Hannover, New Hampshire.
- Bigler, E.D.** (2004, October 7). New Techniques in Imaging in Neuropsychology: Psychiatry Grand Rounds, Brown Medical School, Providence, Rhode Island.
- Bigler, E.D.** (2004, September 20). Neuroimaging, Creative Methods of Visualizing Brain Injury. New Scientific Methods. Invited Presentation: The 17<sup>th</sup> Annual Conference on Medical & Legal Issues in Brain Injury, The North American Brain Injury Society and the International Brain Injury Association (NABIS/IBIA) Medical Legal Conference> Ritz Carlton, Bachelor Gulch, Beaver Creek, Colorado.

- Bigler, E.D.** (2004, July 13). Anoxic Brain injury: Neuroimaging and Neuropsychological Assessment. Special Seminar at the Hampstead Rehabilitation Centre, Northfield, Australia.
- Bigler, E.D.** (2004, July 12). Traumatic brain injury: Neuroimaging and neuropsychological assessment. Special Seminar at the University of Adelaide, Australia.
- Bigler, E.D.** (2004, May 21). Neuroimaging and neuropsychology of cognitive and emotional disorders. Presentation at ‘The Neuropsychology of Emotion’ Utah Psychological Association seminar, University of Utah Museum of Fine Arts, Salt Lake City, Utah.
- Bigler, E.D.,** (2004, May 13). Grand Rounds-Neuropsychology: Invited Speaker for Charles Matthews Neuropsychology Lab Annual Lecture, Madison, Wisconsin.
- Bigler, E.D.** (2004, March 25-28). The Interface of Neuroimaging with Neuropsychological Assessment in Autism and Other Neurodevelopmental Disorders. Invited Presentation: 14<sup>th</sup> annual Nelson Butters’ West Coast Neuropsychology Conference. Hilton San Diego Del Mar, Del Mar, California.
- Bigler, E.D.** (2004, March 12). Justifying Brain Imaging in Clinical Practice. Invited presentation: The Brain Imaging in Clinical Practice-2004 conference. Ellen Eccles Conference Center, Utah State University, Logan, Utah.
- Bigler, E.D.,** (2003, October 23-24). Adverse Effects of Substance Abuse on Brain Injury Outcome. Invited presentation: 10<sup>th</sup> Annual Conference Program & Errata On Behavior, Clinical Neuroscience, Substance Abuse and Culture. Radisson Hotel, Los Angeles, California.
- Bigler, E.D.,** (2003, September 18-20) Structural and 3D Neuroimaging. Invited presentation: Chairs: R. D. Vogt, M.D., B. H. Stern, JD; G. O’Shanick, M.D., 16<sup>th</sup> Annual Conference on Medical & Legal Issues in Brain Injury, The North American Brain Injury Society (NABIS), The Brain Association of America, and the International Brain Injury Association. Ritz-Carlton Resort, Amelia Island, Florida.
- Bigler, E.D.,** (2003, September 8-12). Invited speaker: The Co-Occuring Disorders Institute Conference on the Effects of Traumatic Brain Injury. Palmer, Alaska.
- Bigler, E.D.,** (2003, July 10-15). Invited Speaker: Sixth IBRO World Congress of Neuroscience. Prague, Czech Republic.
- Bigler, E.D.,** (2003, May 25). Functional Brain Imaging After Acquired Brain Injury (ABI). Invited Presentation: Parallel Session – Functional Imaging and Plasticity after ABI: Chairs: M. Hallet, USA & B. Johansson, Sweden. International Brain Injury Association, 5<sup>th</sup> World Congress on Brain Injury. Stockholm, Sweden.
- Bigler, E.D.,** (2003, March 27). Breaking Developments in the Treatment and Trial of Brain Injury Cases. Invited speaker at Utah Lawyers’ Association, Annual meeting. Red Lion Hotel, Salt Lake City, Utah.



- Bigler, E.D.,** (2003, March 20-23). Neuroimaging and Neuropsychological Correlates of Neurodevelopmental Disorders. UCSD School of Medicine, Department of Psychiatry, La Jolla, California, 13<sup>th</sup> Annual Nelson Butter's West Coast Neuropsychology Conference (CE accredited for APA, MCEP, AMA, BRN, and MFCC/LCSW). Doubletree Hotel, San Diego, California.
- Bigler, E.D.,** (2003, February 2-4). Neurodevelopmental and Neuroimaging Predictors of Neuropsychiatric Outcome in Child Traumatic Brain Injury. American Neuropsychiatric Association 14<sup>th</sup> Annual Meeting. Honolulu, Hawaii.
- Bigler, E.D.,** (2003, January 15). Keynote Speaker, University Forum, BYU-Idaho University, Rexburg, Idaho.
- Bigler, E.D.,** (2002, December 6). Psychiatry Grand Rounds—Invited Lecture. University of Texas Southwestern Medical Center, Dallas, Texas.
- Bigler, E.D.,** (2002, October 25). Keynote Speaker. Society for Neuroscience: Intermountain Chapter Fall Meeting. Thanksgiving Point, Lehi, Utah.
- Bigler, E.D.,** (2002, October 24-25). Negative Effects of Substance Abuse on Brain Injury Outcome. Invited Presentation: The Ninth Annual Conference on Behavior, Clinical Neuroscience, Substance Abuse and Culture. The Radisson Hotel Los Angeles International Airport, Los Angeles, CA.
- Bigler, E.D.,** (2002, August 22-25) Relationship of Neuroimaging and APOE Genotype to Neuropsychologic Performance. Invited Symposium Presentation: Genetics, Imaging, and Neuropsychological Contributions to the Prediction of Dementia. Chair: Bondi, M. & Haaland, K. Division 40 APA Annual Convention. McCormick Place, Chicago, IL.
- Bigler, E.D.,** (2002, April 25-28). Forensic Neuropsychology with Adults: Assessment and Interpretation. University of California, San Diego (UCSD) Department of Psychiatry's "Nelson Butters' West Coast Neuropsychology Conference". Hyatt Hotel, La Jolla, California.
- Bigler, E.D.,** (2002, March 9). Structural, Functional, and Three-Dimensional Neuroimaging In Evaluating Traumatic Brain Injury: Relationships with Neuropsychological Outcome. Pacific Northwest Neuropsychological Society, 15<sup>th</sup> Annual Conference. University of Washington Faculty Center: Seattle, Washington.
- Bigler, E.D.** (2002, February 1). Structural and Developmental Neuroimaging Findings in Autism. (Session III) Annual Meeting, Psychiatric Research Society. Park City, Utah.
- Bigler, E.D.** (2002, January 18) Contemporary Neuroimaging in Assessment of Brain Injury. Keynote Speaker, Hilltop Treatment Program--Building Dedication and Presentation. Dripping Springs, Texas
- Bigler, E.D.** (2001, October 4-6). Contemporary Neuroimaging Methods in the Evaluation of Traumatic Brain Injury, (Keynote Address). 19<sup>th</sup> Annual Conference, Brain Injury Association of Colorado. Vail, Colorado.

- Bigler, E.D.** (2001, May 23). Forensics and Neuroimaging. 35<sup>th</sup> Semi-annual Forensic Symposium; Neurobiology in the Courtroom: A New Frontier. Institute of Law, Psychiatry and Public Policy, University of Virginia, Richmond, Virginia.
- Bigler, E.D.** (2001, April 30-May 2). Volumetric MRI Studies of Autism. Collaborative Programs of Excellence in Autism (CPEA) Annual Meeting, Yale University, New Haven, Connecticut.
- Bigler, E.D.** (2000). Neuropsychology and neuroimaging. Distinguished Visiting Professors to Wilford Hall Medical Center. San Antonio, Texas.
- Bigler, E.D.** (2000, October 19-20). Brain volumetric changes in substance abuse and traumatic brain injury. 7<sup>th</sup> Annual Conference on Behavior, Clinical Neuroscience, Substance Abuse, and Culture. Los Angeles, California.
- Bigler, E.D.** (2000, October 12-15). Neuroimaging or neuropsychologists. Frontiers in Brain-Behaviour Research and Clinical Practice: Neuropsychology's Challenge for the 21<sup>st</sup> Century. Kirkton Park Hunter Valley NSW.
- Bigler, E.D.** (2000, September 14-16). Neuro-imaging: Creative methods for visualizing brain injury. Brain Injury Association 14<sup>th</sup> Annual Conference for Attorneys. Palm Beach, Florida.
- Bigler, E.D.** (2000, August 25-26). Neuroimaging: Rehabilitation Outcome in TBI. Brain Injury Association of Texas 18<sup>th</sup> Annual Conference. Austin, Texas.
- Bigler, E.D.** (2000, July 29-Aug 1). Neuroimaging of TBI: Correlates with Neuropsychological Outcome. Brain Injury Association 19<sup>th</sup> Annual Symposium. Chicago, Illinois.
- Bigler, E.D.** (2000, June 9). Neuroimaging and Neuropsychology of Traumatic Brain Injury. Annual Brain Injury Symposium. Ohio Brain Injury Association. Ohio State University, Columbus, Ohio.
- Bigler, E.D.** (2000, May 15). Imaging Studies and Their Impact on Cognitive Function. Hydrocephalus Conference. Phoenix, Arizona.
- Bigler, E.D.** (2000, March 22-24). Neuroimaging and neurophysiological studies in reading disabilities. Rapallo, Italy.
- Bigler, E.D.** (1999, November 23). The Brain, Mind and Behavior: Clinical Neuroscience in the New Millennium. Distinguished Faculty Forum. Brigham Young University, Provo, UT.
- Bigler, E.D.** (1999, November 19). Functional Brain Injury—Impact and Treatment. Mild Brain Injury: The Issues and Controversies. The Rehabilitation Institute, Kansas City, MO.
- Bigler, E.D.** (1999, November 12). The Lesions in Traumatic Brain Injury: Implications for the Practice of neuropsychology. Distinguished Neuropsychologist Award for Career Contributions. National Academy of Neuropsychology, San Antonio, TX.

- Bigler, E.D.** (1999, November 4-5). Neuroimaging of Traumatic Brain Injury: Relationship to Substance Abuse. Sixth Annual Conference on Behavior, Clinical Neuroscience, Substance Abuse and Culture. Crown Plaza Hotel, Los Angeles, CA.
- Bigler, E.D.** (1999, September 17-19). Three Dimensional Neuroimaging of the Brain: Relationship to Cognition and Behavior. NeuroHealth for the New Millennium. The Key to Independence. An interactive conference focusing on brain injury, presented by Bancroft NeuroHealth. Wyndham Franklin Plaza, Philadelphia, PA.
- Bigler, E.D.** (1999, September 16-18). NeuroImaging–Creative Methods for Visualizing Brain Injury. Winning Brain Injury Cases: Legal and Medical Issues. 13<sup>th</sup> Annual Conference for Attorneys. Arizona Biltmore Resort and Spa, Phoenix, AZ.
- Bigler, E.D.** (1999, June, 23-26). Neuropsychology and Neuroimaging: Quantitative and 3-D Analysis, Continuing Education Program. The International Neuropsychological Society and the South African Clinical Neuropsychology Association 22<sup>nd</sup> International Conference, “Neuropsychology: Toward the Millennium”. Holiday Inn, Durban, South Africa.
- Bigler, E.D.** (1999, June, 11). Neuropsychology Aspects of the Mild to Severe Brain Injury. Idaho Trial Lawyers Association Annual Meeting Seminar. Elkhorn Resort, Sun Valley, Idaho.
- Bigler, E.D.** (1999, May 22). Visualizing the Brain: Health and Disorders. The Third Annual Claremont Conference on Applied Developmental Psychology: Issues in Development and the Neurosciences. Claremont Graduate University, Claremont, California.
- Bigler, E.D.** (1999, August). Interview with Experts: Traumatic Brain Injury. APA Division 16 1998 Conversation Series videotape presentation. Toronto, Canada.
- Bigler, E.D.** (1998, September 23-24). Neuro-Imaging and Clinical Outcomes in Childhood Traumatic Brain Injury. Critical Issues in Child & Adolescent Mental Health: Mood Disorders, Learning Disabilities, & Substance Abuse. Jointly sponsored by The Center for Pediatric Continuing Education and The Children’s Mental Health Institute (CMHI). DoubleTree Hotel, Salt Lake City, Utah.
- Bigler, E.D.** (1998, September 18). General Session: Traumatic Brain Injury Update. IHC Rehabilitation Services Conference. Salt Lake City, Utah.
- Bigler, E.D.** (July, 1998) Quantitative Neuroimaging and Neuropsychological Outcome in Dementia, Traumatic Brain Injury, and Anoxia. Invited Symposium; Annual Meeting of the International Neurological Society (INS). Hotel Atrium Hyatt, Budapest, Hungary.
- Bigler, E.D.** (1998, June 4-7). Imaging and Brain Function. The 22<sup>nd</sup> Annual Williamsburg Conference. Cognitive, Neuromedical and Behavioral Aspects of Brain Injury. Williamsburg, Virginia.
- Bigler, E.D.** (1998, June 4-7). Brain Imaging, Quantitative Analysis, and Outcomes. The 22<sup>nd</sup> Annual Williamsburg Conference. Cognitive, Neuromedical and Behavioral Aspects of Brain Injury. Williamsburg, Virginia.

- Bigler, E.D.** (1998, May 14 & 15). Neuroimaging and Neuropsychological Outcome. Walter Reed Army Medical Center Neuropsychology Service Department of Psychology. Walter Reed Army Medical Center, Washington D.C.
- Bigler, E.D.** (1998, April 25). What is dementia? Neurology Section of the Texas Medical Association '98. Austin, Texas.
- Bigler, E.D.** (1998, April 25). Alzheimer's disease: Epidemiology/collaborative study. Neurology Section of the Texas Medical Association '98. Austin, Texas.
- Bigler, E.D.** (1997, November 10). The interface of diagnostic neuroimaging with neuropsychological assessment: The role of quantitative MRI. Seventeenth Annual National Academy of Neuropsychology Conference. The Riviera Hotel and Casino, Las Vegas, Nevada.
- Bigler, E.D.** (1997, October 26). Neuroimaging: Quantitative analysis. Braintree Hospital Rehabilitation Network in conjunction with HEALTHSOUTH Neurorehabilitation Conference. Royal Sonesta Hotel, Cambridge, Massachusetts.
- Bigler, E.D.** (1997, October 26). Neuroimaging and outcome. Braintree Hospital Rehabilitation Network in conjunction with HEALTHSOUTH Neurorehabilitation Conference. Royal Sonesta Hotel, Cambridge, Massachusetts.
- Bigler, E.D.** (1997, October 17). Substance abuse and traumatic brain injury: Neuroimaging. Fifth Annual Conference on Behavior, Neurobiology, Substance Abuse, and Culture. Los Angeles, California.
- Bigler, E.D.** (1997, October). Brain Injury without the loss of consciousness: Fact or Fiction? Park City, UT.
- Bigler, E.D.** (1997, September 18). Clinical Correlations and Neurobehavioral Profiles and Recovery. Shepherd Center Acquired Brain Injury Conference. Atlanta, Georgia.
- Bigler, E.D.** (1997, September 18). Forensic Neuropsychology: The Role of Neuroimaging. Shepherd Center Acquired Brain Injury Conference. Atlanta, Georgia.
- Bigler, E.D.** (1997, May). Brain Imaging. Brain Damage Institute. Seattle, Washington.
- Bigler, E.D.** (1997, May). Brain Imaging in Traumatic Brain Injury. An Educator's Guide for Children with Acquired Brain Injury: Creating a Collaborative Community of Care. Buffalo, NY.
- Bigler, E.D.** (1997, May). Neuroimaging and Neuropsychological Correlates of Language Disorders. Utah Speech and Hearing Association. Salt Lake City, UT.
- Bigler, E.D.** (1997, April). Test of Memory and Learning (TOMAL) in Evaluating Child and Adolescent Memory. Nelson Butter's West Coast Neuropsychology Conference. San Diego, CA.

- Bigler, E.D.** (1996, November 16). Chair, Neuropathology of TBI. Annual Conference of the International Association for the Study of Traumatic Brain Injury, Melbourne, Australia
- Bigler, E.D.** (1996, November 16). Chair: Paper Session 5, Neuroimaging, Evoked Potentials and Outcome. Annual Conference of the International Association for the Study of Traumatic Brain Injury, Melbourne, Australia.
- Bigler, E.D.** (1996, October 31). Neuroimaging and Neuropsychological Assessment Update. 16th Annual Meeting, National Academy of Neuropsychology, Inc., New Orleans, LA.
- Bigler, E.D.** (1996, October 19). Neuroimaging and Neuropsychological Assessment. Annual Fall Symposium, Philadelphia Neuropsychology Society. Philadelphia, PA.
- Bigler, E.D.** (1996, October 18). Neuroimaging, Neuropsychology and Dementia. Grand Rounds lecture, Allegheny University of the Health Sciences, Department of Neurology. Philadelphia, PA.
- Bigler, E.D.** (1996, October 13). Meet the Expert: Erin D. Bigler, Ph.D. Invited address, American Academy of Physical Medicine and Rehabilitation. Chicago, IL.
- Bigler, E.D.** (1996, October 13). TBI Expert Testimony: Neuromedical and Neuropsychological Caveats. Invited address, American Academy of Physical Medicine and Rehabilitation. Chicago, IL.
- Bigler, E.D.** (1996, October 12). Neuroimaging in TBI: Clinical Correlations with Neurobehavioral Profiles and Recovery. Invited address, American Academy of Physical Medicine and Rehabilitation. Chicago, IL.
- Bigler, E.D.** (1996, September 20). Neuropsychology and Neuroimaging. Invited lecture, UND School of Medicine. Fargo, ND.
- Bigler, E.D.** (1996, August 12). Quantitative Neuroimaging Findings, Traumatic Brain Injury, and Substance Abuse. Symposium: Neurobehavioral and Neuropsychological Assessment of Drug Abuse, American Psychological Association Convention.
- Bigler, E.D.** (1996, June). Magnetic Resonance Imaging of the Brain: Relationship Between Structure and Functions. Invited lecture, 4th International Conference on Long-Term Complications of Treatment of Children and Adolescents for Cancer.
- Bigler, E.D.** (1995). Kronheim Lecture. Invited lecture, Undersea and Hyperbaric Medical Society's Annual Scientific Symposium.
- Bigler, E.D.** (1995, November). Current Status of Neuroimaging and Neuropsychological Assessment. Invited lecture, National Academy of Neuropsychology. San Francisco, CA.
- Bigler, E.D.** (1995, November). Neuropsychological Assessment, Neuroimaging and Learning Disabilities. Learning Disabilities Association of Utah Conference.

- Bigler, E.D.** (1995, August). New Directions in Brain Injury Diagnosis Using Imaging Technology. Texas Head Injury Association, 14th Annual State Conference.
- Bigler, E.D.** (1995, August). Long-Term Outcomes. Texas Head Injury Association, 14th Annual State Conference.
- Bigler, E.D.** (1994, January). Damage to Executive Function. The Mild Brain Injury Case, The Utah Head Injury Association, Salt Lake City, UT.
- Bigler, E.D.** (1993, October). National Academy of Neuropsychology.
- Bigler, E.D.** (1993, August). Chair, Symposium: Biological revolution-neuroimaging and neuropsychology. American Psychological Association, Toronto, Canada.
- Bigler, E.D.** (1993, August). Quantitative magnetic resonance imaging and neuropsychological assessment. Paper presented at the annual conference of the American Psychological Association, Toronto, Canada.
- Bigler, E.D.** (1993, May). Neuropsychological assessment and neuroimaging: A synthesis. Psychology Grand Rands presented at the University of Missouri.
- Bigler, E.D.** (1992, November). Learning disabilities in children and evaluation and behavior management of ADHD. Lectures presented at The Child's Brain Conference. Austin, TX.
- Bigler, E.D.** (1992, October). National Academy of Neuropsychology, Pittsburgh, PA.
- Bigler, E.D.** (1992, September). Neuropsychological function and brain imaging invited address given at the annual Brain Function and Learning Conference at the University of North Texas, Denton, TX.
- Bigler, E.D.** (1992, May). Neuropsychology of Parkinson's disease. Lecture presented at the Parkinson's Support Group, VA Medical Center, Salt Lake City, UT.
- Bigler, E.D.** (1992, May). Traumatic brain injury. Invited lecture presented at the Seventh Annual Conference of the Missouri Head Injury Advisory Council, Missouri Division of Special Education, Jefferson City, MO.
- Bigler, E.D.** (1992, March). Neuroimaging and Neuropsychology. Presidential Address, National Academy of Neuropsychology, November 1, 1990. Presented again at Neurology/Psychiatry Grand Rounds, University of Texas at San Antonio, February 14, 1991; at the 1991 National Academy of Neuropsychology, Dallas, Texas, November 1, 1991; at The University of Utah Seminar Series, November 18, 1991; and at Rancho Los Amigos Medical Center, University of Southern California, March 11-13, 1992.
- Bigler, E.D.** (1991, November). Neuroimaging and Electrophysical Techniques. Invited address presented at the Mild to Moderate Head Injury Conference sponsored by the Utah Head Injury Association and Utah State Bar. (1992, November). New dimensions in neuropsychology: strengths and limitations of neuropsychological assessment.

- Bigler, E.D.** (1991, October). Neuroimaging and Neuropsychological Assessment. Invited keynote at invitational conference, "Cognitive assessment: An interdisciplinary dialogue" sponsored by Dean Jane Stallings' Enhancing Excellence in Education Fund—Chair: Ernie Goetz, Department of Educational Psychology, Texas A&M University, presented at College of Education, Texas A&M University, College Station, TX.
- Bigler, E.D.** (1991, August). Neuroimaging and Neuropsychological Assessment in Traumatic Brain Injury in School-aged Children. Invited address presented at The Utah State Office of Education Conference on "Serving students with traumatic brain injury in our schools." Salt Lake City, UT.
- Bigler, E.D.** (1991, July). The Divine Brain. Brigham Young University Forum address, Provo, UT.
- Bigler, E.D.** (1989, March). Memory Disorders: Neuropsychological and Anatomical Correlates. Grand Rounds Lecture. University of Texas Health Science Center in San Antonio, Dept. of Psychiatry.
- Bigler, E.D.** (1988, November). Applications of Brain Imaging Techniques to Clinical Neuropsychology. Invited address/Workshop. National Academy of Neuropsychologists, Orlando, FL.
- Bigler, E.D.** (1988, October). Current Status of Brain Imaging and Clinical Neuropsychology. Guest lecturer/Invited address at the Eighth Julie McGee Lamberth Conference, Baylor College of Medicine.
- Bigler, E.D.** (1988, September). Alzheimer's Assessment. Texas Department of Mental Health and Mental Retardation - Nursing Education Tele series.
- Bigler, E.D.** (1988, September). Visiting Professor, Texas A&M University, Department of Psychiatry. Neuropsychology update Lecture, Scott & White Hospital, Temple, TX.
- Bigler, E.D.** (1987, April). Neuropsychology of Depression. Fourth Annual update in Psychiatry sponsored by the Department of Psychiatry, University of Texas Health Science Center at San Antonio, November 22, 1986. Colloquium Lecture, Brigham Young University, April 2, 1987.
- Bigler, E.D.** (1987, March). Neuropsychology of Dementia. Invited lecture series, Edmonton Hospital and University of Alberta, Alberta, Canada.
- Bigler, E.D.** (1986, December). Neuropsychology of Cerebral Trauma. Invited address/Workshop, Florida State Psychological Association Conference, Fort Lauderdale, FL.
- Bigler, E.D.** (1985, October). Brain Imaging: Relationship to Clinical Neuropsychological Assessment. Invited address at the National Academy of Neuropsychologists, Philadelphia, PA.
- Bigler, E.D.** (1983, November). Neuropsychological Diagnosis of Learning Disabilities. Invited address at the 19th Annual Conference of the Texas Association of Children with Learning Disability, Waco, TX.

- Bigler, E.D.** (1983, October). Neuropsychology and Computerized Tomography. Invited address at The National Academy of Neuropsychologists, Houston, TX.
- Bigler, E.D.** (1983, May). Neuropsychology Update. Invited address at the Barrow Neurological Institute of St. Joseph's Hospital & Medical Center, Phoenix, AZ.
- Bigler, E.D.** (1983, May). Neuropsychology Workshop. Brigham Young University, Provo, UT.
- Bigler, E.D.** (1982). Neuroanatomy and Neuropathology. Invited address at The National Academy of Neuropsychologists Annual Meeting, Atlanta, GA.
- Bigler, E.D.** (1981). Assessment in Clinical Neuropsychology. Invited address and workshop presented at the annual meeting of the National Association of School Psychologists, Houston, TX.
- Bigler, E.D.** (1981). Clinical Neuropsychology. Training seminar presented to Psychology Doctoral Interns, Austin State Hospital, 1977, 1978, 1979, 1980, and 1981.
- Bigler, E.D.** (1981). Neuropsychological Evaluation of the Learning Disabled Child. Workshop presented to Region XIII Educational district, Austin, TX, Summer 1979, and Spring 1981.
- Bigler, E.D.** (1980, November). Current Developments in Neuropsychology of Learning Disabilities. Paper presented as part of symposium on Learning Disability at the annual Texas Psychological Association Meetings, Austin, TX.
- Bigler, E.D.** (1980, September). Clinical Assessment of Cognitive Deficit in Traumatic and Degenerative Disorders: Brain Scan and Neuropsychologic Findings. Paper read at the NATO conference on Neuropsychology and Cognition, Medical College of Georgia, Augusta, GA.
- Bigler, E.D.** (1979, November). Visually Evoked Potentials: Neuropharmacologic Interactions. Invited address read at the 20th annual meeting of the German Democratic Republic Society for Pharmacology and Toxicology, Leipzig, East Germany.
- Bigler, E.D.** (1977). Bicuculline Potentiation of Photically Evoked After-discharges. Paper read at the Western Pharmacology Society, Victoria, British Columbia, Canada.
- Bigler, E.D.** (1977). Chairman, Section on Neuropharmacology, Western Pharmacology Society, Victoria, British Columbia, Canada.
- Bigler, E.D.** (1977). Clinical Neuropsychology. Seminar presented at the Psychologist's meeting of the Texas Department of Mental Health and Mental Retardation, Houston, TX.
- Bigler, E.D.** (1976). A Reinterpretation of Lateral Geniculate Function in the Rat. Paper read at the Rocky Mountain Psychological Association, Phoenix, AZ.
- Bigler, E.D.** (1975). Lateral Geniculate Multiple Unit Activity during Metrazol Potentiated Photically Evoked After-discharges in Rats. Paper read at the Society for Neurosciences (Arizona Chapter), Scottsdale, AZ.



- Bigler, E.D.** (1972). Personalized System of Instruction (PSI): Two Perspectives. Paper read at the Rocky Mountain Psychological Association, Albuquerque, NM.
- Bigler, E.D.** (1971). Errorless Auditory Discrimination in the Pigeon. Paper read at the Rocky Mountain Psychological Association, Denver, CO.
- Bigler, E.D.,** & Abildskov, T.J. (2015, August 16). Lecture on Quantitative Image Analysis. Invited Presentation at the Annual Meeting of the Chronic Effects of Neurotrauma Consortium (CENC), Embassy Suites in Fort Lauderdale, Florida.
- Bigler, E. D.,** Abildskov, T. J., Farrer, T. J., Finuf, C. S., Dennis, M., Taylor, H. G., Rubin, K. H., Gerhardt, C. A., Stancin, T., Vannatta, K., & Yeates, K. O. (2013, February). Voxel-based morphometry of gray and white matter correlates of WASI IQ and WISC-III Processing Speed Index in pediatric traumatic brain injury and orthopedic injury. Poster presented at the annual meeting of the International Neuropsychological Society, Waikiloa, HI.
- Bigler, E.D.,** Adams, K.M., Stephen, B., Petrauskas, V.M. Gregg, N. (February 7-10, 2007). Testing Neuropsychological Models Across Patient Populations: The Advantages of Examining Measurement Equivalence. Symposium Discussant: 35th Annual Meeting of the International Neuropsychological Society, Hilton Portland & Executive Tower, Portland, Oregon.
- Bigler, E.D.,** & Robinson, D.N. (1998, September 29). Mind and Brain. Psychology 390R Forum. Brigham Young University, Provo, UT.
- Bigler, E.D.,** Alexander, A.L., Lainhart, J., & Lazar, M. (February 1-4, 2006) Diffusion tensor, structural and volumetric MRI analyses in autism. [Poster]. 34<sup>th</sup> Annual Meeting of the International Neuropsychological Society, Boston Marriott Copley Place Hotel, Boston, MA, USA, February 1-4, 2006.
- Bigler, E.D.,** Neeley, E.S., Ozonoff, S., Coon, H., McMahon, W., Lainhart, J.E. (2004, July 7-10). "Superior temporal gyrus and autism". Australian Society for the Study of Brain Impairment (ASSBI) & International Neuropsychological Society (INS) Annual meeting 2004. Brisbane, Australia
- Bigler, E.D.,** Ryser, D.K., Gandhi, P., Kimball, J., Wilde, E.A. (2004, July 7-10). Day-of-Injury computerized tomography, rehabilitation status, and long-term outcome as they relate to magnetic resonance imaging findings after traumatic brain injury. Australian Society for the Study of Brain Impairment (ASSBI) & International Neuropsychological Society (INS) Annual meeting 2004. Brisbane, Australia.
- Bigler, E.D.,** Sanders, A.D., Neeley, E.S. (2004, July 7-10). Memory performance in Autism. Australian Society for the Study of Brain Impairment (ASSBI) & International Neuropsychological Society (INS) Annual meeting 2004. Brisbane, Australia.

- Bigler, E.D.,** Lai, E.C., Meyer, C. & Winston, J.L. (1998, April 25). Panel discussion/Questions and answers. Neurology Section of the Texas Medical Association's Tex Med '98. Austin, Texas.
- Bigler, E.D.,** Lowry, C.M., Anderson, C.V., Johnson, S.C., Plassman, B., Brietner, J.C.S., Tschantz, J., Welsh-Bohmer, K.A., & Saunders, A.M. (1997, August). Quantitative Neuroimaging and Dementia. Chicago, IL.
- Bigler, E.D.** et al. (1997, June). Dementia and aging: A population based study of APOE, Alzheimer's disease and quantitative magnetic resonance imaging. International Neuropsychological Society. Bergen, Norway.
- Bigler, E.D.,** Alexander, A.L., Lainhart, J., Lazar, M. (2006, February 1-6). Diffuse Tensor, Structural and Volumetric MRI Analyses in Autism. [Abstract] International Neuropsychological Society, 34<sup>th</sup> Annual Meeting Program & Abstracts, p.201. Presented at the 34<sup>th</sup> Annual meeting of the International Neuropsychological Society, Boston Marriott Copley Place Hotel, Boston, Massachusetts, USA.
- Bigler, E.D.,** Blatter, D.D., & Ryser, D. (1996, November 16). Clinical and neuroimaging predictors of neurobehavioral outcome following traumatic brain injury. Paper presented at International Perspectives in Traumatic Brain Injury, Melbourne, Australia
- Bigler, E.D.,** Hubler, D., Turkheimer, E.A., Cullum, C.M., Paver, S., & Yeo, R. (1984). Volumetric CT Measures and Neuropsychological Performance in Alzheimer's Disease. Paper presented at the XII Annual Meeting of the International Neuropsychological Society (INS), Houston, TX.
- Bigler, E.D.,** Paver, S., Cullum, C.M., Turkheimer, E., Hubler, D., & Yeo, R. (1984). Ventricular Enlargement, Cortical Atrophy, and Neuropsychological Performance Following Head Injury. Paper presented at the XII Annual Meeting of the International Neuropsychological Society (INS), Houston, TX.
- Bigler, E.D.** & Eidelberg, E. (1976). Diazepam Suppression of Evoked After-discharges in Rat Lateral Geniculate Nucleus and Visual Cortex. Paper read at the Western Pharmacology Society Meetings, San Francisco, CA.
- Bigler, E.D.,** Millett, R.L. & Fleming, D.E. (1973). Dorsal Hippocampal Lesions and Unimpaired or Facilitated Conditioned Emotional Response Suppression in the Rat. Paper read at the Western Psychological Association, Anaheim, CA.
- Bigler, E.D.,** Abildskov, T.A., Wilde, E.A., Hunter, J.V., Scheibel, R., Newsome, M.R., Hanten, G.R., Li, X., Levin, H.S., (November 8-10, 2007). How diffuse is brain damage in moderate-to-severe paediatric traumatic brain injury? [Abstract presentation] University of California, San Diego: New Frontiers in Pediatric Brain Injury Conference, November 8- 10, Westin San Diego at Emerald Plaza, San Diego, California.
- Huff, T., Abildskov, T., Wilde, E., **Bigler, E.D.** (2016, February 5). MRI Tissue-Based Intensity Standardization for multi-site neuropsychological outcome studies: Problems and potential solutions. Poster presented in Poster Session 7: Imaging (Structural) at the International Neuropsychological Society Annual Conference, Boston, Massachusetts

- Adluru, N., Hinrichs, C., Chung, M.K., Lee, J.E., Singh, V., **Bigler, E.D.**, Lange, E.D., Lainhart, J.E., Alexander, A.L. (September 4, 2009). Classification in DTI using shapes of white matter tracts. [Poster/Paper presentation]. 31<sup>st</sup> Annual International IEEE EMBS Conference, Hilton Minneapolis, Minnesota, USA.
- Agostino, A., Yeates, K.O., Taylor, G.H., **Bigler, E.D.**, Rubin, K.H., Vannatta, K., Gerhardt, C.A., Stancin, T., & Dennis, M. (2001, July). Understanding emotional expression and emotive communication in children with traumatic brain injury. Poster presented at the 2<sup>nd</sup> Annual Symposium on Brain Injury in Children, SickKids Centre for Brain and Behaviour, Toronto.
- Allen M.D., **Bigler E.D.**, Larsen J., Goodrich-Hunsaker N.J., Hopkins R.O. (November 9, 2007). Functional magnetic resonance imaging (fMRI) evidence for high cognitive effort on the Word Memory Test in the absence of external incentives. [Abstract presentation] University of California, San Diego: New Frontiers in Pediatric Brain Injury Conference, November 8- 10, Westin San Diego at Emerald Plaza, San Diego, California.
- Anderson, C. & **Bigler, E.D.** (1993, October). Ventricular dilation, cortical atrophy in neuropsychological outcome following traumatic brain injury. Intermountain Neuroscience Chapter Meeting of the Society for Neuroscience, University of Utah, UT.
- Anderson, J.S., Druzgal, T.J., Froelich, A., Lange, N., DuBray, M., **Bigler, E.D.**, Lainhart, J.E., Reduced resting state sensorimotor interhemispheric connectivity in autism [Abstract]. Presented at Human Brain Mapping satellite conference, 2009.
- Baca, L. & **Bigler, E.D.** (1996, January). Violent Assault Resulting in Head Injuries. Domestic Violence: Health Care's Role & Responsibility. Salt Lake City, UT.
- Bartholomew, J., Wilde, E.A., Hessel, C.D., Gandhi, P.V., **Bigler, E.D.**, Lowry, C., Ryser, D.K., & Blatter, D.D. (1998, August 14-18). Poster Session: Neuropsychology of Head Injury, Medical Disorders, and Psychiatric Disorders. QMRI of Corpus Callosum in TBI Males: Alcohol Use and Time Postinjury. 106<sup>th</sup> Annual Convention of the American Psychological Association. Moscone Center, San Francisco, California, USA.
- Blatter, D.D., **Bigler, E.D.**, Ryser, D.K., Gale, S.D., Johnson, S.C., Anderson, C.V., Burnett, B.M., McNamara, S., & Bailey, B. (1994, May). Correlation of The Functional Outcome Measure (FIM) with Quantitative and Semi-quantitative Analysis of MRI Following Traumatic Brain Injury (TBI). American Society of Neuroradiology.
- Blatter, D.D., Kurth, S.M., **Bigler, E.D.**, Pompa, J., & Ryser, D.K. (1992, August). MRI and CT in traumatic brain injury (TBI): Correlations with quantitative measures of cognitive outcomes. Presented at the meeting of the American Society of Neuroradiology, St. Louis, MO, June, 1992. Presented at the meeting of the Society of Magnetic Resonance in Medicine, Berlin, Germany, August, 1992.
- Brickman, A., Sullivan, E.D., Jefferson, A., Wilde, E.A., Butters, M., **Bigler, E.D.**, (2007, February) Not all that matters is gray: The importance of white matter in neuropsychology. Symposium presentation (E.D. Bigler: Discussant) at 35<sup>th</sup>

Annual Meeting of the International Neuropsychological Society, Portland, Oregon, February 7-10, 2007.

- Cato, M., Delis, D., Abildskov, T., & **Bigler, E.D.** (2003). Assessing the elusive cognitive deficits associated with orbitofrontal cortex damage: Case study of a modern-day Phineas Gage [Poster Presentation]. 31<sup>st</sup> Annual International Neuropsychological Society Conference, Feb 5-8, 2003, Honolulu, Hawaii.
- Ciccia, A., Taylor, H.G., Rubin, K.H., Dennis, M. **Bigler, E.**, Gerhardt, C., Vannatta, K. & Yeates, K. (2012, November). Discourse patterns after traumatic brain injury in school-age children. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Atlanta.
- Cleavinger, H.B., **Bigler, E.D.**, Wilde, E.A., Hunter, J.V., Li, X., Levin, H. S. (November 15, 2007). Traumatic brain injury, atrophy of the entorhinal cortex and neuropsychological outcome in children [Poster Presentation]. 27th Annual Meeting of the National Academy of Neuropsychology, Scottsdale, AZ.
- Cramond, A., Woon, F.M., Wu, C., Cannon, P.C., **Bigler, E.D.**, Cleavinger, H.B., Johnson, J.L., Lainhart, J.E. (November 15, 2007). Intellectual function and thalamic volume in autism. Poster Presentation: 27th Annual Meeting of the National Academy of Neuropsychology, Scottsdale, AZ.
- Cullum, C.M., & **Bigler, E.D.** (1987, February). Cerebral Lateralization and The MMPI. Paper presented at The International Neuropsychological Society Meetings, Washington D.C.
- Delis, D.C. & **Bigler, E.D.** (2004, March 25-28). Orbital prefrontal damage: comparison of adult and pediatric cognitive profiles. Invited Presentation: 14<sup>th</sup> annual Nelson Butters' West Coast Neuropsychology Conference. Hilton San Diego Del Mar, Del Mar, California.
- Dubray, M., Alexander, A., Lee, J.E., Lazar, M., Lu, J., Miller, J., McMahon, W., **Bigler, E.D.**, Lainhart, J.E. (2007, May) White matter organization and asymmetry of the superior temporal gyrus and temporal stem in autism. Invited abstract and poster presentation at 6<sup>th</sup> International Meeting for Autism Research (IMFAR 2007), University of California at Davis, USA.
- Farrer, T. J., Jivani, S., **Bigler, E. D.**, Dennis, M., Taylor, H. G., Rubin, K., Vannatta, K., Gerhardt, C., Stancin, T., & Yeates, K. O. (2015, February). Chronic MRI findings, ventromedial prefrontal cortex (vmPFC) volume, and behavioral functioning in a pediatric sample with complicated mild traumatic brain injury. Poster presented at the annual meeting of the International Neuropsychological Society, Denver.
- Farrer, T. J., Jantz, P. B., **Bigler, E. D.**, Dennis, M., Taylor, H. G., Rubin, K., Vannatta, K., Gerhardt, C., Stancin, T., & Yeates, K. O. (2014, February). Corpus callosum pathology and processing speed in pediatric traumatic brain injury. Poster presented at the annual meeting of the International Neuropsychological Society, Seattle.

- Fearing, M.A. **Bigler, E.D.**, Norton, M.C., Tschanz, J.T. Hulette, C.M., Leslie, C., Welsh-Bohmer, K.A. (February 7 – 10, 2007). Confirmed Alzheimer's Disease versus Clinically-Diagnosed Alzheimer's Disease in the Cache County Study on Memory Health and Aging: A Comparison of Quantitative MRI and Neuropsychological Findings. Abstract Presentation: 35th Annual Meeting of the International Neuropsychological Society, Hilton Portland & Executive Tower, Portland, Oregon.
- Fearing, M.A. **Bigler, E.D.**, Norton, M.C., Tschanz, J.T. Hulette, C.M., Leslie, C., Welsh-Bohmer, K.A. (February 7 - 10, 2007). Neuroimaging Correlates of the IQCODE in Autopsy-Confirmed Alzheimer's Disease versus Clinically-Diagnosed Alzheimer's Disease: The Cache County Study on Memory Health and Aging. Abstract Presentation: 35th Annual Meeting of the International Neuropsychological Society, Hilton & Executive tower, Portland, Oregon.
- Fearing, M., Hannan, C.R., White, J., Mortensen, J., Rice, S., Tate, D., and **Bigler, E.D.** (February 5 – 8, 2003). Dementia, cerebral atrophy, and neuropsychological performance: Relationship to APOE-ε 4. Poster presented at the 31<sup>st</sup> Annual International Neuropsychological Society Conference, Feb 5-8, 2003, in Honolulu, Hawaii.
- Fleming, D.E., & **Bigler, E.D.** (1975). Electroencephalographic Correlates of Sidman Avoidance Responding. Paper read at the Rocky Mountain Psychological Association, Salt Lake City, UT.
- Hannan, C.R., Fearing M., White J., Mortensen J., Tate D.F, **Bigler, E.D.** (October, 2002).The Mini-Mental State Examination, Temporal Lobe Morphology and Alzheimer's Disease. Poster accepted for presentation at the 22nd Annual Conference of the National Academy of Neuropsychology, Miami, FL.
- Hanten, G., Wilde, E.A., Yallampalli, R., Chu, A., Ramons, M.A., **Bigler, E.D.**, Menefee, D., Vasquez, Li, X., Hunter, J.V., Levin, H.S. (November 7, 2007). The relation between white matter disruption measured by diffusion tensor imaging and decision-making following childhood TBI. Abstract Presentation: University of California, San Diego, New Frontiers in Pediatric Traumatic Brain Injury International Conference, Westin San Diego at Emerald Plaza, San Diego, California
- Heverly-Fitt, S., Rubin, K., Ellison, K., Taylor, H. G., Stancin, T., Gerhardt, C., Vannatta, K., **Bigler, E.**, & Yeates, K. O. (2015, March). Examining the relations between social initiations and self-perceptions of social behaviors in children with a TBI. Poster presented as the Biennial Meeting of the Society for Research in Child Development, Philadelphia.
- Heverly-Fitt, S., Rubin, K., **Bigler, E.**, Dennis, M., Taylor, H. G., Vannatta, K., Gerhardt, C., Stancin, T., & Yeates, K. O. (2014, February). Investigating a proposed model of social competence in children with traumatic brain injuries. Poster presented at the annual meeting of the International Neuropsychological Society, Seattle.
- Hopkins, R.O., McCourt, A., Cleavinger, H., Parkinson, R.B., Victoroff, J., **Bigler, E.D.** (2003, February 5-8). White matter hyperintensities and neuropsychological outcome following traumatic brain injury. Poster presented at the International

Neuropsychological Society Thirty-First Annual Meeting, February 5-8, 2003, Sheraton Waikiki: Honolulu, Hawaii.

- Hopkins, R.O., Gale, S.D., Pope, D., Weaver, L.K. & **Bigler, E.D.** (2000, February). Ventricular Enlargement in Patients with Acute Respiratory Distress Syndrome. International Neuropsychological Society Twenty-Eighth Annual Meeting. Adam's Mark Hotel, Denver, Colorado.
- Hopkins, R.O., Weaver, L.K., Gale, S.D. & **Bigler, E.D.** (1998, May). Neuropsychological Outcome, Brain Perfusion Defects and Quantitative Magnetic Brain Resonance Imaging Following Carbon Monoxide (CO) Poisoning. Undersea and Hyperbaric Medical Society Annual Scientific Meeting, Salt Lake City, UT.
- Hopkins, R.O., Weaver, L.K., Gale, S.D., Johnson, S.C., **Bigler, E.D.**, Blatter, D.D., Abildskov, T.J. (1996). Three Dimensional and Quantitative Image Analysis of Neuropathological Changes Following Carbon Monoxide Poisoning. 1996 Undersea and Hyperbaric Medical Society Annual Scientific Meeting, Salt Lake City, UT.
- Hopkins, R.O., Weaver, L.K., Gale, S.D., Johnson, S.C., **Bigler, E.D.**, Blatter, D.D., Abildskov, T.J. (1996). Three Dimensional and Quantitative Image Analysis of Neuropathological Changes Following Carbon Monoxide Poisoning. 1996 Undersea and Hyperbaric Medical Society Annual Scientific Meeting, Salt Lake City, UT.
- James, K., Pertab, J., **Bigler, E.D.** (November 6, 2007). Questionable generalizability for mild traumatic brain injury meta-analysis. Poster Presentation: 27th Annual Meeting of the National Academy of Neuropsychology, Scottsdale, AZ
- Kesler, S.R., Foley, H.A. & **Bigler, E.D.** (1998). Relationships Between Brain Abnormalities and Cognitive-Neurobehavioral Symptoms in Traumatic Brain Injury (TBI) Using Single Photon Emission Computed Tomography (SPECT), Clinical (MRI) and Quantitative (QMR) Magnetic Resonance. Twenty-Sixth Annual International Neuropsychological Society Conference, Honolulu, HI.
- Kim, J., Alexander, A.L., Lainhart, J., McMahon, W., Johnson, M., Lu, J., Jeong, E.K., Lazar, M., **Bigler, E.D.** (June 12 -15, 2005) White matter abnormalities in autistic brain: Diffusion tensor MRI in adolescents and young adults. Abstract Presentation given at Human Brain Mapping Convention, Toronto, Ontario, Canada.
- Laatsch, L.K., Varney, N.R., Wu, J.C., Hopkins, R.O., & **Bigler, E.D.** (1998, August 14-18). Symposium: Functional Brain Imaging in Neuropsychology and Rehabilitation. 106<sup>th</sup> Annual Convention of the American Psychological Association. Moscone Center, San Francisco, CA.
- Lainhart, J.E. **Bigler, E.D.**, & Alexander, A. (2004, February 11-14). Neuroimaging in autism: advanced applications and ongoing challenges. Abstract presented at the Psychiatric Research Society, Park City, UT.
- Lainhart, J., Johnson, M., Coon, H., McMahon, B., **Bigler, E.D.** & Tate, D. (2001, February 14-17). Megalocephaly in autism: A quantitative magnetic resonance imaging study. Paper presented at Psychiatric Research Society, Park City, UT.

- Lee, J.N., Alexander, A.L., Lazar, M., **Bigler, E.D.**, Lainhart, J.E. (2008, May) Evaluation of voxel-based analysis methods for DTI studies. Abstract presented at the International Society for Magnetic Resonance in Medicine (ISMRM) 16th Scientific Meeting and Exhibition, Toronto, Ontario, Canada.
- Lu, L., **Bigler, E.D.** (December, 2000). Performance of Chinese stroke survivors on Chinese version of Trails B. Poster session presented at the annual meeting of the National Academy of Neuropsychology, Orlando, Florida.
- Merkley, T., **Bigler, E.D.** (2009, February 12). Cortical thinning with age progression for traumatically brain injured and typically developing children. [Poster presentation]. Annual Conference of the International Neuropsychological Society, Atlanta Marriott Marquis, Atlanta, Georgia.
- Miller, M.J., Tate, D.F., Cleavinger, H.B., Rice, S.A., **Bigler, E.D.**, & Victoroff, J. (August 24, 2001). Exploratory Analyses of Neuroimaging, APOE, and Neuropsychological Performance of Dementia [Abstract]. The Clinical Neuropsychologist. Science poster presented at the Annual Meeting Science Program, Division of Clinical Neuropsychology (40) of the American Psychological Association, San Francisco, CA.
- Moran, L. M., **Bigler, E.**, Dennis, M., Gerhardt, C., Rubin, K., Stancin T., Taylor, H. G., & Vannatta, K. L., & Yeates, K. O. (2012, February). Relationship between social information processing and perceived social competence in pediatric traumatic brain injury. Paper presented at the annual meeting of the International Neuropsychological Society, Montreal.
- Mortensen, J., Hannan, C.R., White, J., Fearing M., Tate, D., **Bigler, E.D.** (2003, February 5-8). The Boston Naming Test, dementia, and temporal lobe pathology. Poster presented at the International Neuropsychological Society Thirty-First Annual Meeting, February 5-8, 2003, Sheraton Waikiki: Honolulu, Hawaii.
- Nielson, J., **Bigler, E.D.** (2009, February 12). Subtypes of autism based on corpus callosum microstructure: A diffusion tensor imaging and neuropsychological study. [Poster presentation]. Annual Conference of the International Neuropsychological Society, Atlanta Marriott Marquis, Atlanta, Georgia.
- Orme, S., Clark, E., **Bigler, E.D.**, Pompa, J., & Kircher, J. (1998, August 14-18). Session: Neuropsychological Assessment, Methodological Consideration in Pediatric Traumatic Brain Injury Research. 106<sup>th</sup> Annual Convention of the American Psychological Association. Moscone Center, San Francisco, CA.
- Piran, N., & **Bigler, E.D.** (1981). A Neuropsychological Investigation of the Theory of Schizophrenia. Paper read at the American Psychological Association Meetings, Los Angeles, CA.
- Porter, S., Anderson, C.V. & **Bigler, E.D.** (1993, October). A serial study of hippocampal atrophy in neuropsychological outcome of 35 traumatically brain injured patients. Intermountain Neuroscience Chapter Meeting of the Society for Neuroscience, University of Utah, UT.

- Ramos, M.A., Yallampalli, R., **Bigler, E.D.**, Chu, Z., Hunter, J., Menefee, D., McCauley, S., Levin, H., Wilde, E. (2007, March 29-April 1). A diffusion tensor imaging study of the cingulate gyrus following traumatic brain injury. Poster presented at the 2007 Biennial Meeting of the Society for Research in Child Development (SRCD), The Sheraton Hotel, Boston, Massachusetts.
- Reichman, M.V., **Bigler, E.D.**, & Blatter, D.D. (1994, October). Biomechanics of Cerebral Concussions and Radiographic Considerations. Medicine in the Intermountain West: Update 1994, LDS Hospital, Salt Lake City, UT.
- Reynolds, C.R., **Bigler, E.D.** (1994). Factor structure, factor indexes, and other useful statistics for interpretation of the Test of Memory and learning (TOMAL). Paper presented at the 1994 annual meeting of the National Academy of Neuropsychology, November, Orlando, Florida.
- Rice, S.A., **Bigler, E.D.**, Lainhart, J., McMahon, W., Coon, H., Ozonoff, S. (2003, February 5-8). Corpus callosum morphology in autism. Poster presented at the 31<sup>st</sup> Annual International Neuropsychological Society Conference, Feb 5-8, 2003, in Honolulu, Hawaii.
- Rice, S.A., **Bigler, E.D.**, Lainhart, J. Tate, D.F., McMahon, W., Coon, H., & Ozonoff, S. (2002, July 24-27). Corpus Callosal Differences in Macrocephalic Autism and Relationship to IQ. Abstract presented at the International Neuropsychological Society Twenty-Fourth Mid-Year Meeting, July 24-27, 2002, Stockholm City Conference Center: Stockholm, Sweden.
- Robinson, K. E., **Bigler, E. D.**, Dennis, M., Taylor, H. G., Rubin, K., Vannatta, K., Gerhardt, C., Stancin, T., & Yeates, K. O. (2015, February). Executive function and theory of mind as predictors of social adjustment in childhood TBI: Regional brain injury as a moderator. Paper presented at the annual meeting of the International Neuropsychological Society, Denver.
- Robinson, K. E., Fountain-Zaragoza, S., Dennis, M., Simic, N., Agostino, A., Taylor, H. G., **Bigler, E.**, Rubin, K., Vannatta, K., Gerhardt, C. A., Stancin, T., & Yeates, K. O. (2013, April). Cognitive and social-cognitive predictors of social outcome in childhood traumatic brain injury. Poster presented at the National Conference on Child Health Psychology, New Orleans, LA.
- Ross, C., Hallam, B., Buckwalter, J.G., **Bigler, E.D.**, Brown, W.S. (2003, February 5-8). Regional callosal changes in three forms of dementia. Poster presented at the International Neuropsychological Society Thirty-First Annual Meeting, February 5-8, 2003, Sheraton Waikiki: Honolulu, Hawaii.
- Ryser, D.K., Egger, M.J., Horn, S., Handrahan, D., Gandhi, P., & **Bigler, E.D.** (November, 2002). Predicting changes and length of stay for inpatient rehabilitation after traumatic brain injury. Poster presented at the Annual Meeting of the Academy of Physical Medicine and Rehabilitation in Orlando, Fl. Poster 11, Archives of Physical Medicine and Rehabilitation, 83, p.1647-1648.



- Ryser, D.K., Johnson, S.C., Blatter, D.D., Russo, A.A., Barker, L.H., Primus, E., **Bigler, E.D.** (1994, September 25). Quantitative Analysis of Magnetic Resonance Imaging post TBI: Correlation with the Functional Independence Measure (FIM) on admission and discharge from Rehabilitation. International Association for the study of Traumatic Brain Injury, St. Louis, MO.
- Ryser, D.K., & **Bigler, E.D.** (1994, January). Usefulness of Subjective and Semi-Quantitative Analysis of CT & MR Neuroimaging for Predicting TBI Outcome. Sheldon Berrol, M.D. Brain Injury Symposium, Salt Lake City, UT.
- Shultz, E. L., Robinson, K. E., Dennis, M., Taylor, H. G., **Bigler, E. D.**, Rubin, K., Vannatta, K., Gerhardt, C. A., Stancin, T., & Yeates, K. O. (2015, April). The impact of cognitive factors on the relationship between pediatric traumatic brain injury and adaptive functioning outcomes. Poster presented at the annual conference of the Society of Pediatric Psychology, San Diego, CA.
- Skoog, I. **Bigler, E.D.**, (August 18, 2003). The Gothenberg Longitudinal Study on Aging. Early life risk factors for dementia. [Abstract Presentation]. 11<sup>th</sup> Congress of the International Psychogeriatric Association (IPA), Chicago, IL.
- Sweet, J.J., Millis, S.R., Connor, D.J., Hasker, P.D., & **Bigler, E.D.** (1998, August 14-18). Symposium: Detection of Feigned Cognitive Impairments—Current Issues and Future Approaches. 106<sup>th</sup> Annual Convention of the American Psychological Association. Moscone Center, San Francisco, California.
- Tate, D.F., Miller, M.J., Rice, S.A., Cleavinger, H.B., & **Bigler, E.D.** (August 24, 2001). Clinical Significance of Hippocampal Asymmetry in Alzheimer’s Disease [Abstract]. The Clinical Neuropsychologist. Science poster presented at the Annual Meeting Scientific Program, Division of Clinical Neuropsychology (40) of the American Psychological Association, San Francisco, CA.
- Tate, D.F., Gilbert-Tate, J.J., & **Bigler, E.D.** (February 1998). Berry’s Test of Visual-Motor Integration and the Test of Nonverbal Intelligence: A Comparison Among School Children in India. Twenty-sixth Annual International Neuropsychological Society Conference, Honolulu, Hawaii.
- Taylor, H. G., **Bigler, E.**, Dennis, M., Gerhardt, C., Rubin, K., Stancin T., Vannatta, K., & Yeates, K. O. (2012, February). Friendships, acceptance, and social characteristics among children with traumatic brain injury. Symposium paper presented at the annual meeting of the International Neuropsychological Society, Montreal.
- Turkheimer, E. Farace, E., Yeo, R.A., & **Bigler, E.D.** (February 1992). A closer look at gender differences in verbal and performance IQ following unilateral lesions [Abstract]. Journal of Clinical and Experimental Neuropsychology. Poster presented at the annual meeting of the International Neuropsychological Society, San Diego, California.

- Weaver, L.K., Deru, K., Fearing, M.A., Hopkins, R.O., Foley, J.F., Orrison, W.W., **Bigler, E.D.** (June, 2005) Carbon Monoxide (CO) Poisoning in 12 Young, College-Educated Skiers. Abstract presented at the Annual Undersea and Hyperbaric Society Meeting, Orlando, Florida.
- White, J., Mortensen, J., Hannan, C. R., Fearing, M., Tate, D., and **Bigler, E.D.** (Feb 5-8, 2003). Performance on the Logical Memory Measure and Temporal Lobe Atrophy. Poster presented at the 31<sup>st</sup> Annual International Neuropsychological Society Conference, Feb 5-8, 2003, in Honolulu, Hawaii.
- White J., Mortensen J., Hannan C.R., Fearing M., Tate D., **Bigler, E.D.** (October, 2002) The Controlled Oral Word Association Measure and Animal Fluency Test and Temporal Lobe Atrophy. Poster accepted for presentation at the 22nd Annual Conference of the National Academy of Neuropsychology, Miami, Florida.
- Wilde, E.A., **Bigler, E.D.**, (September 27-29, 2007) "Relation of a Composite Fractional Anisotropy Score Using Diffusion Tensor Imaging Tractography to Outcome in Traumatic Brain Injury" Abstract presentation given at NABIS 5th Annual Brain Injury Conference, Westin Riverwalk Hotel, San Antonio, Texas.
- Wilde, E.S., **Bigler, E.D.**, (September 27-29, 2007). "Glasgow Coma Score Predicts Long-term Cerebral Atrophy in Pediatric Traumatic Brain Injury." Abstract given as an oral presentation at North American Brain Injury Society (NABIS) 5th Annual Brain Injury Conference, Westin Riverwalk Hotel, San Antonio, Texas.
- Wilde, E.A., Hunter, J.V., Chu, Z., **Bigler, E.D.**, Fearing, M.A., Hanten, G., Li, X., Newsome, M., Scheibel, R., & Levin, H.S., (February 1- 4, 2006) "Diffusion Tensor Imaging in Relation to Cognitive Control in Children Following Moderate to Severe Traumatic Brain Injury". [Abstract] International Neuropsychological Society, 34<sup>th</sup> Annual Meeting Program & Abstracts, p.201. Presented at the 34<sup>th</sup> Annual meeting of the International Neuropsychological Society, Boston Marriott Copley Place Hotel, Boston, Massachusetts, USA.
- Wilde, E.A., Bartholomew, J., Lowry, C., Ryser, D.K., **Bigler, E.D.**, Gandhi, P.V., Hessel, C.D., Brooks, M., Nielsen, D., & Blatter, D.D. (1998, August 14-18). QMRI Correlates With Acute Cognitive and Functional Measures in TBI. Paper Session: Neuroimaging and Cognition in Traumatic Brain Injury. 106<sup>th</sup> Annual Convention of the American Psychological Association. Moscone Center, San Francisco, California.
- Wilde, E.A., Bartholomew, J., **Bigler, E.D.**, Meyer, K.J., Ryser, D.K., Blatter, D.D., Lowry, C., Brooks, M.P., & Nielsen, D.L. (1997, August). QMRI and FIM Outcome in Substance-Abusing TBI patients. Chicago, Illinois.
- Wolkowitz, O.M., Lupien, S.J., **Bigler, E.D.** (September 8, 2003) The "Post-Steroid Dementia Syndrome": An Unrecognized Complication of Glucocorticoid Treatment. Poster and Abstract Presentation to be given at the 34th annual congress meeting of The International Society of Psychoneuroendocrinology (ISPNE), Rockefeller University, New York, NY.
- Woon, F.M., Cramond, A.C., Wu, C., Cannon, P.C., **Bigler, E.D.**, Cleavinger, H.B., Johnson, J.L., Lainhart, J.E. (November 6, 2007). Intelligence scores and amygdala

volume in individuals with Autism. [Poster Presentation]. 27th Annual Meeting of the National Academy of Neuropsychology, Scottsdale, AZ.

- Wu, C. **Bigler, E.D.**, Halsey, S., Yallampalli, R., Chu, Z., Li, X, Hunter, J.V., Vasquez, A.C., Levin, H.S., Wilde, E.A. (2010, February). Alterations of the cerebral peduncle following severe traumatic brain injury [Poster Presentation]. Annual Conference of the International Neuropsychological Society, Acapulco, Mexico.
- Wu, C., **Bigler, E.D.**, (2009, February). Longitudinal changes of the corpus callosum pathways subsequent to traumatic brain injury [Poster presentation]. Annual Conference of the International Neuropsychological Society, Atlanta Marriott Marquis, Atlanta, Georgia.
- Wu, C., Cramond, S., Woon, F.M., Cannon, P.C., **Bigler, E.D.**, Cleavinger, H.B., Johnson, J.L., Lainhart, J.E. (November 6, 2007). Fusiform gyral volume, intellectual ability and autism [Poster Presentation]. 27th Annual meeting of the National Academy of Neuropsychology, Scottsdale, AZ.
- Yallampalli, R., Wilde, E.A., **Bigler, E.D.** (September 27-29, 2007). The Relation of Temporal Diffusion Tensor Imaging (DTI) to the Behavior Assessment System for Children (BASC-2) in Traumatic Brain Injury.” Poster presentation given at NABIS 5th Annual Brain Injury Conference, Westin Riverwalk Hotel, San Antonio, Texas.
- Yeates, K. O. **Bigler, E.**, Dennis, M., Gerhardt, C., Rubin, K., Stancin T., Taylor, H. G., & Vannatta, K. (2012, February). A heuristic model for the study of social outcomes in childhood traumatic brain injury. Symposium paper presented at the annual meeting of the International Neuropsychological Society, Montreal.
- Yeo, R.A., Turkheimer, E., & **Bigler E.D.** (1984). The Influence of Sex and Age on Unilateral Cerebral Lesion Sequelae. Paper presented at the XII annual meeting of the International Neuropsychological Society (INS), Houston, Texas.

#### **PROFESSIONAL AND HONORARY SOCIETIES:**

American Psychological Association  
Society for Neuroscience  
New York Academy of Sciences  
National Academy of Neuropsychologists  
Sigma Xi, the Research Society of North America  
International Brain Injury Association  
International Neuropsychological Society  
American Academy of Neurology

#### **AWARDS AND SCHOLARSHIPS:**

Mitch Rosenthal Memorial Award (2016). Williamsburg, VA. May 5, 2016.

Henry Stonnington Award (2015). Award presented by Brain Injury for 1<sup>st</sup> Place Winner for best review paper in 2014.

President of the International Neuropsychological Society, 2014.

Hickman Outstanding Scholar Award: (2009). Award presented by Brigham Young University's College of Family Home and Social Sciences to the outstanding scholar of the year. Award received March 26, 2009 at the 16<sup>th</sup> Annual Martin B. Hickman Outstanding Scholar Lecture: "The Enchanted Loom: MRI, The Developing Brain and Autism."

Morita Distinguished Fellow (2008). Presented by the Rehabilitation Hospital of the Pacific, May 21, 2008. "Awarded to international experts in the field of medical rehabilitation and seeks to provide the highest levels of clinical education and training in furthering rehabilitation expertise, primarily for health care providers in REHAB Hospital and in Hawaii."

Award for Scientific Research (2006). North American Brain Injury Society (NABIS), September 15.

Donnette Rachelle White Memorial Award (2006). Brain Injury Association of Utah, October 19, 2006. "for outstanding, dedicated service, and exemplary leadership to the Brain Injury Association of Utah."

Board of Governors, International Brain Injury Association, 2004 – 2006.

Anna Veneri Scientific Award (2003). 5<sup>th</sup> World Congress, International Brain Injury Association, May 23-26, 2003. Award given for the best scientific poster presentation. Presented in City Hall, Stockholm, Sweden. Awarded for the study entitled: "Information processing speed and its relationship to quantitative neuroimaging following moderate and severe traumatic brain injury [Abstract]." by Mathias, J.L., **Bigler, E.D.**, Jones, N.R., Barrett-Woodbridge, M.P., Brown, G.C., Taylor, D.J. Brain Injury, 17, p.136.

President, Intermountain Chapter of Neuroscience, 2002 – 2004.

Treasurer, International Neuropsychological Society, 2001 – 2008.

Karl G. Maeser Distinguished Faculty Lecturer, Brigham Young University, 1999.

Distinguished Clinical Neuropsychologist Award for Career Contributions, National Academy of Neuropsychology, 1999.

Teacher of the Year Award, Department of Psychology, Brigham Young University, 1991-1992.

President, National Academy of Neuropsychologists, 1989-1990.

Outstanding Texas Neuropsychologist: Texas Psychological Association, Healthcare Rehabilitation Center, 1989.

Outstanding Service Award: Texas Association for Education and Rehabilitation of the Blind and Visually Impaired, 1985.

Hogg Foundation Grant (A Neuropsychological contribution to the theory of schizophrenia), 1980-1981.

Dissertation of the Year Award, Department of Psychology, Brigham Young University, 1974-1975.

### **EDITORSHIPS, BOARD POSITIONS, ETC.:**

President of the International Neuropsychological Society, 2014

Chair, APA Division 40 Executive Committee, 2006 – 2009

Editorial Board, Neuropsychology, the APA Journal, 2006 – present

Assoc. Editor, Brain Imaging and Behavior Journal, 2006 – present

Treasurer, International Neuropsychological Society, 2001 – 2008

Editor, Texas Psychologist, 1978 – 1980

Associate Editor, Journal of the International Neuropsychological Society, 1990 – 2005

Associate Editor: Archives of Clinical Neuropsychology, 1987 – 1998

Consulting Editor, Journal of Clinical and Experimental Neuropsychology, 2000 – Present

Consulting Editor, International Journal of Clinical Neuropsychology, 1978 – 1990

Consulting Editor, Critical Issues in Neuropsychology, Plenum Press, New York, 1984 – 1999

Consulting Editor, Archives of Clinical Neuropsychology, 1986 – 1987

Consulting Editor, Journal of Learning Disabilities, 1986 – 2005

Editorial Board, Neuropsychology Review, 1988 – Present

Consulting Editor, Psychological Assessment, 1990 – 2000

Consulting Editor: Journal of Consulting and Clinical Psychology, 1990 – 1993

Consulting Editor, Neuropsychology, 1993 – Present

Editorial Board, Journal of Psychopathology and Behavioral Assessment, 1998 – Present

Subcommittee Member, (2007). American Academy of Clinical Neuropsychology (AACN) Practice Guidelines for Neuropsychological Assessment and Consultation, The Clinical Neuropsychologist, 21(2), 209-231.

Expert Reviewer (2006). Neuroplasticity and brain imaging research: Implications for rehabilitation, Archives of Physical Medicine and Rehabilitation, 87(12), Suppl. 2, S1-S93. (This issue sponsored by American Congress of Rehabilitation Medicine.)

**GRANTS (Current and Last 5 years):**

**R01 HD042974 (Tony Simon, Ph.D.)** **10/15/14 – 5/14/15**  
 NIH/NICHHD (\$16,269)  
 “Visuospatial Cognitive Deficit in Del22q11.2 Syndrome”  
 The goals of this grant are to identify dysfunctions I the interaction of spatial and temporal processing and measure the resolution of spatiotemporal attentional selection and identify neural substrates of spatiotemporal dysfunction and of hyptergranularity.

Role: Co-investigator

**1R01HD76885-01 (Keith O. Yeates, Ph.D.)**

**8/23/13 – 5/31/18**

NICHHD

(Yr. 1: \$22,180/yr; Yrs. 2-5:

\$66,276/yr)

“Predicting Outcomes in Pediatric Mild Traumatic Brain Injury”

The overall goal of the proposed project is to influence clinical care and extend scientific knowledge of mild TBI in children and adolescents by examining the utility of diagnostic methods commonly used in clinical settings in the prediction of persistent PCS and functional impairments.

Role: Co-investigator

**W81XWH-13-20095DoD (David Cifu, M.D.)**

**10/01/13 – 09/30/18**

Virginia Commonwealth University

(Yrs. 1-2: \$77,679/yr; Yrs. 3-5:

\$174,000/yr)

“Chronic Effects of Neurotrauma Consortium (CENC)”

The Consortium will be focused on basic and preclinical studies to determine the anatomic, molecular, and physiological mechanisms issues with a heavy emphasis on clinical studies to address the comorbidities issues of mild traumatic brain injury (mTBI) sustained by warriors.

Role: Co-investigator

**1R01HD068432-01A1 (Jeffrey E. Max, MBBC)**

**09/01/11 – 06/30/16**

DHHS/NIH/Eunice Kennedy Shriver NICHHD

(\$85,585/yr)

“A Psychiatric and Imaging Study of Pediatric Mild Traumatic Brain Injury”

Max, Hesselink, Thompson, Wilde, Bigler

The major goals of this study are to examine the natural history, prediction, and consequences of new-onset psychiatric disorder after mTBI.

Role: Co-investigator

**Past Research Support**

**R01NS21889 (Harvey Levin, Ph.D.)**

**02/15/10 – 01/31/14**

NINDS/NIH

(Yrs. 1-2: \$8,324; Yr 3: \$8,574; Yr 4:

\$8,831)

“Neurobehavioral Outcome of Head Injury in Children”

Levin, Wilde, Bigler

The major goals of this project are studying changes in cognitive control, motivation, and social cognition in relation to brain regional volumes.

Role: Co-investigator

**1R01MH080826 (Bigler, Erin D.)**

**08/01/07 – 07/31/12**

DHHS/NIH/NIMH

(\$23,010/yr)

“Neuroimaging Analysis of Atypical Neurodevelopment in Autism”

Lainhart, Bigler, Alexander, Lange

The major goal of this longitudinal project is to understand and to identify atypical neurodevelopmental subtypes of autism without associated mental retardation.

Role: Co-investigator

**1R01HD048946-01A2 (Bigler, Erin D.)**

**06/01/06 – 05/31/12**

DHHS/PHS

(\$80,315/yr)

“Neuroimaging Analysis of Pediatric Traumatic Brain Injury”

Yeates, Bigler, Taylor

The major goal is to do an integrative, multi-level study of the social outcomes of childhood traumatic brain injury.

Role: Co-investigator 15% (1.8 CM)