



Licensure:

1982-90 Licensed Psychologist, Ohio #3356  
1984-pres Licensed Psychologist, Pennsylvania #PS-4399-L

Awards and Honors:

1971-72 National Merit Scholar  
1971-75 New York State Regents Scholar  
1980-81 Vassar College Graduate Research Scholar  
1999 Fellow, National Academy of Neuropsychology  
2001-2006 National Institutes of Health Scientific Review Section,  
Psychopathology, Developmental Disabilities, Stress and Aging  
2002 Diplomate, American Board of Professional Neuropsychology  
2004 International Liaison Committee of the International  
Neuropsychology Society, Research Editing Consulting Program  
2014 Fellow, American Psychological Association  
2015 Consultant to U.S. Dept. of Labor, Employment and Training  
Administration, National Center for O\*NET.

Membership in Professional and Scientific Societies:

American Psychological Association, Div. 40 (Society of Clinical Neuropsychology)  
International Neuropsychology Society  
International Liaison Committee of the INS, Research Editing Consulting Program  
Society for Neuroscience  
National Academy of Neuropsychology, Fellow  
Philadelphia Neuropsychology Society (1986-1989 - Board of Directors)  
American Board of Neuropsychology: Work Sample Reviewer

Editorial Positions:

Associate Editor, Journal of Pediatric Neuropsychology, 11/2016 – present  
Editorial Board, Neuropsychology Review, 12/2011 – 2015  
Editorial Board, Neuropsychology, 1986-1992  
Ad hoc editor for British Journal of Medicine and Medical Research, Child  
Neuropsychology; Cognitive and Behavioral Neurology; Journal of the International  
Neuropsychology Society; Journal of Rheumatology; Lancet-Neurology; Neuro-Oncology;  
Neuropsychiatry, Neuropsychology, and Behavioral Neurology; Neuropsychologia;  
Neuropsychology; Pediatric Psychology; Perceptual and Motor Skills; Rehabilitation Psychology.

Major University Teaching Responsibilities

1. Director/supervisor of Post-Doctoral and Pre-Doctoral Fellowships/Practicums in Neuropsychology/Cognitive Neurology at the Hospital of the University of Pennsylvania, 1989-96, and at The Children's Hospital of Philadelphia, Div. of Neurology, 1998-2005 and Division of Oncology, 2005-2016.
2. Undergraduate theses or research projects (6), M.A. theses (3), Ph.D. dissertation primary research supervisor (6), Post-doctoral Fellowship research mentor (7), 1993-pres.
3. Lecturer in Neuropsychology and Cognitive Neuroscience (Neurology, Neuro-Oncology)

4. Instructor in Neuropsychology, University of Pennsylvania, Spring semester, 1996: Fundamentals of Human Neuropsychology, a cognitive neuropsychology and neuroscience post-graduate course for the Department of Psychology and the Biological Bases of Behavior Program.
5. Instructor in Clinical Psychology, Hahnemann University, Fall 1997, Fall 1998: Intellectual Assessment for the Masters program in Clinical Psychology.

Grant Support:

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| 1980-81 | Principal Investigator, Adaptation to Prolonged Stress, Vassar College Graduate Research Grant.  |
| 1990-95 | Co-Investigator, Quantitative Assessment of the Impact of Clinical Trials in Multiple Sclerosis, Multiple Sclerosis Society, Grant #RG2109B, (No salary support).  |
| 1990-93 | Investigator; Brain electrical and hemodynamic correlates of anatomic lesions in acute head injury, #RDP/CCR 304551-03, Center for Disease Control   |
| 1992-96 | Co-Principal Investigator, Local cerebral glucose metabolism in man, Neuropsychological Core #RO1 NS14867, National Institutes of Health.  |
| 1993-94 | Principal Investigator, Effects of radiation therapy on the integrity of brain-behavior functions in adults, IRG-135N, American Cancer Society   |
| 1992-95 | Investigator, Clinical Initiative in Cognitive Dysfunction and Depression in the Elderly, Dana Foundation.   |
| 1998-03 | Principle Investigator, Effects of radiotherapy on brain functions in adults, RO1-CA65438, National Cancer Institute   |
| 1998-99 | Minority Post-Doctoral Training Supplement Grant, Effects of radiotherapy on brain functions in adults, RO1-CA65438, National Cancer Institute   |
| 2002-03 | Principal Investigator, American Brain Tumor Association, conference grant   |
| 2002-03 | Principal Investigator, Pediatric Brain Tumor Foundation of the U.S., conference grant   |
| 2002-03 | Principal Investigator, The Brain Tumor Society, conference grant  |
| 2004-06 | Investigator, Foerderer Program Grant, "Radiation Brain Injury: Structural and Functional Neurotoxic Effects of Therapeutic Radiation for Childhood Brain Tumors." The Children's Hospital of Philadelphia                             |
| 2005-08 | Investigator, U.S. Dept. of Defense, Army Medical Research, Effective innovative therapies for children and adults with neurofibromatosis type 1 (NF1).  |
| 2004-15 | Investigator. Children's Hospital of Philadelphia CHP 693 v.4. Low-dose Radiation Therapy and Combination Chemotherapy following Surgery in Treating Children with Newly Diagnosed Primitive Neuroectodermal tumor or Medulloblastoma. |
| 2009-13 | Investigator. U.S. Dept. of Defense. Medical Research Programs. Neurofibromatosis Type 1 (NF1) Clinical Trials Consortium. A   |

- randomized placebo-controlled study of Lovostatin in children with neurofibromatosis type 1.
- 2011-15 Investigator. St. Jude Children's Research Hospital. CHP 860 SJMB03 Treatment of Patients with Newly Diagnosed Medulloblastoma, Supratentorial Primitive Neuroectodermal Tumor, or Atypical Teratoid Rhabdoid Tumor.
- 2010-16 Principal Investigator of CHOP site, U.S. Dept. of Defense Medical Research Programs W81XWH-09-2-0174. Detection of Vascular and Neuronal Changes and their Correlation to Neurocognitive Changes Following Proton and Photon Radiotherapy in Patients Receiving Skull Base and Brain Radiation.
- 2013-16 Principal Investigator. Alex's Lemonade Stand Foundation and the Children's Hospital of Philadelphia Center for Childhood Cancer Research. Proton Therapy Effects on Cognitive Development in Infants with Brain Tumors
- 2015-16 Investigator. St. Jude Children's Research Hospital. A clinical and Molecular Risk-Directed Therapy for Newly Diagnosed Medulloblastoma (SJMB12).

#### Conferences/Symposia Organized

- 1992 Symposium: "Anatomic dynamism of cognitive deficits in dementia". American Psychological Association, Washington, DC
- 2001 Symposium: "Neuroimaging of the White Matter of the Brain". Toronto, Canada, International Neuropsychological Society Annual Conference.
- 2002 Conference (Organizer, Program Chair, and Presenter): "Effects of Radiotherapy on Brain and Behavior through the Life Span", The Children's Hospital of Philadelphia international conference, Puerto Rico
- 2016 Symposium: "Advances in Understanding the Organization and Cognitive/Behavioral Functions of the Cerebellum". Boston, MA, International Neuropsychology Society Annual Conference.

#### Invited Lectures:

- 1984 A theory of cognitive recovery following head injury: Application to the use of computers in cognitive retraining. Veterans Administration Medical Center: Approaches to Cognitive retraining, Coatesville, PA.
- 1984 The neuropsychology of learning and mainstreaming the head injured student. Bryn Mawr Rehabilitation Hospital: Mainstreaming the Head Injured Student conference, Malvern, PA
- 1984 The behavioral management of the head injured patient. Bryn Mawr Rehabilitation Hospital: Traumatic Brain Injury Comprehensive Nursing Care Conference, Valley Forge, PA.
- 1985 Development of a cognitive retraining program: From theory to application. Braintree Hospital: Sixth Annual Traumatic Head Injury Conference, Boston, MA.

- 1985 The effects of head injury on learning: New roles for both the head injured and the family. Maryland Head Injury Foundation First Annual Conference, Bethesda, MD.
- 1986 Empirical explanations for brain recovery during cognitive rehabilitation: Bryn Mawr Rehabilitation Hospital: A Multidimensional Approach to Behavioral Management of the Brain Injured Adult, Malvern, PA.
- 1987 "The 3 D's of head injury: Denial, depression and deficits. New York State Head Injury Association fifth Annual Statewide Conference, Albany, NY.
- 1987 Personality characteristics of the brain injured in the context of chronic disability". National Head Injury Foundation Conference, San Diego, CA.
- 1988 Screening for organic deficits. Continuing Education Program, Veterans Administration Medical Center, Coatesville, PA.
- 1988 Designing behavioral programs for transitional living units: Development and evaluation. The Postgraduate Course on Rehabilitation of the Brain Injured Adult and Child, Medical College of Virginia, Williamsburg, Va.
- 1990 Neuropsychological problems of compression, decompression, and high altitudes. Institute for Environmental Medicine, University of Pennsylvania, Philadelphia, PA.
- 1990 Using neuropsychologists as expert witnesses. American Trial Lawyers Association Seminar on Expert Witnesses in Personal Injury Cases, Philadelphia, PA.
- 1991 The assessment and diagnosis of the consequences of traumatic brain injury. The Maryland Head Injury Foundation Seminar, Baltimore, MD.
- 1992 Pathological Personality Patterns after Brain Lesions. Grand Rounds, Department of Rehabilitation, Univ. of Pennsylvania, Philadelphia, PA.
- 1993 Neuropsychology of Human Emotion. Institute for Graduate Clinical Psychology, Widener University, Chester, PA.
- 1993 Frontal Lobe Dementia - Neuropsychology Grand Rounds, University of Pennsylvania Medical Center, Philadelphia, PA
- 1994 Auditory Selective Attention. Patterns in normal subjects and in neurological groups. Cognitive Neurosciences Series, Temple University.
- 1994 Memory patterns in Geriatric Neurological Disorders and Normal Aging. Good Samaritan Medical Center, Pottstown, PA.
- 1995 Cognitive Neuropsychological Mechanisms of Memory Disorders in Patient Populations, and Normal Aging, Institute for Graduate Clinical Psychology, Widener University, PA.
- 1995 Cognition and Memory in Aging. Philadelphia Neuropsychology Society, Philadelphia, PA
- 1995 Neurodiagnosis, Neuropsychological Evidence, and Functional Outcome of Head Injury. Florida Trial Lawyers Association, Orlando, FL.
- 1996 Paradoxes of Cognition in Aging: Why is Wisdom not enough? Pennsylvania Psychological Association Convention, Philadelphia, PA.
- 1996 What is Cognitive Rehabilitation and Why Are We Doing It? Graduate Clinical Psychology, Univ. of Pennsylvania
- 1997 Cognitive findings in Multiple Sclerosis, expectations, and behavioral treatment options. MS Society, Cherry Hill, NJ

- 1997 Cognitive effects of radiation therapy. Grand Rounds of the Neurological Institute, University of Pennsylvania
- 1998 Cognitive Effects of White Matter Disease. National Academy of Neuropsychology Conference, Washington, D.C.
- 1999 Effects of Radiotherapy on Brain Functions: Cognition. Children's Hospital of Philadelphia.
- 2000 Cognition and the Brain 's White Matter. Northern California Neuropsychology Forum Annual Conference (full day speaker).
- 2000 Can neuropsychology differentiate white matter from gray matter disorders? Children's Hospital of Philadelphia, Assessment Seminar.
- 2000 Early-delayed and late-delayed effects of radiotherapy on cognitive and depression. Children's Hospital of Philadelphia, Clinical Neuroscience Conference
- 2001 Memory Systems. Children's Hospital of Philadelphia, Assessment Seminar.
- 2001 White Matter Damage and Its Impact on Cognition: Process vs. Content. Philadelphia Neuropsychology Society, 2001 Francis Fields Memorial Colloquium.
- 2001 Cognitive and behavioral effects of carbon monoxide exposure pre- and post-natally. Children's Hospital of Philadelphia, Psychology Peer Review Conference.
- 2002 Theory to Practice: Using Cognitive Theory to Understand Neurological and Neurobehavioral Disorders. The Children's Hospital of Philadelphia, Clinical Neuroscience Conference.
- 2002 Significance of Effects of Delayed Phases of XRT on Cognition - Implications for the Differential Vulnerability of Cognitive Systems. The Children's Hospital of Philadelphia conference, "Effects of Radiotherapy on Brain and Behavior through the Life Span", Puerto Rico.
- 2002 Magnetization Transfer Imaging Studies of Brain Regions in Healthy Adults and Neuro-Oncology Patients. The Children's Hospital of Philadelphia conference, Effects of Radiotherapy on Brain and Behavior through the Life Span, Puerto Rico.
- 2003 Managing the Cognitive Effects of MS. MS Society, Philadelphia.
- 2004 Cognitive dysfunction caused by multiple sclerosis. MS Society, Philadelphia
- 2004 What we have learned about radiotherapy injury to the brain. Long Island Jewish Medical Center, Schneider Children's Hospital Grand Rounds, New York.
- 2004 Fundamentals of the neural plasticity of development. Continuing Education Journal Club lecture, Children's Hospital of Philadelphia, Dept. of Psychology
- 2005 Neuropsychology in Oncology: Clinical and Research Issues for Pediatric and Adult Studies. Continuing Education Workshop, International Neuropsychology Society Annual Conference, St. Louis, MO.
- 2005 Mechanisms for radiation induced damage to cognitive systems. Joseph Stokes Research Institute Annual Scientific Symposium, The Children's Hospital of Philadelphia, Bryn Mawr, PA.

- 2005 Temporal Patterns of Radiotherapy-induced Cognitive Injury. Primary Central Nervous System Lymphoma (PCNL) Association, International PCNL Collaborative Group, Lugano, Switzerland
- 2006 Neuropsychological Function following Diagnosis and Treatment of Brain Tumors. University of Pennsylvania Abramson Cancer Center and the Brain Tumor Society: Brain Tumors: Confronting the challenge together. Philadelphia, PA
- 2008 Executive Dysfunction: How we manage complexity, novelty, conflict, and drive. Main Line Rehabilitation Associates, Annual Conference, Malvern, PA.
- 2009 Attention and Concentration. Main Line Rehabilitation Associates, Exton, PA.
- 2010 Radiotherapy Damage Affects Semantic Memory Networks. International Neuropsychology Society Annual Conference, Acapulco, Mexico.
- 2010 Beyond Cognitive Impairments: Neuropsychiatric Disorders in Pediatric Neuro-Oncology. Children’s Hospital of Philadelphia, Psychology Dept. March, 2010
- 2010 Cerebellar Functions: The Silent Partner. University of Pennsylvania, Department of Psychiatry, Brain-Behavior Laboratory Grand Rounds Seminar. November, 2010
- 2011 Developmental Neurofibromatosis 1. Children’s Tumor Foundation and The Children’s Hospital of Philadelphia, Neurofibromatosis Symposium. 10/2/11.
- 2011 Engaging with Medical Philanthropy. Children’s Hospital of Philadelphia, Psychology Department Seminars. 10/21/11.
- 2011 Neuropsychological Outcome and Neurological Mechanisms of Childhood RT and Chemotherapy. Children’s Hospital of Philadelphia, Neuropsychology Seminar. 12/20/11.
- 2012 Diagnosing Neurobehavioral Dysfunction Related to Pediatric Cerebellar Injury. Children’s Hospital of Philadelphia, Psychology Series. 2/10/12.
- 2012 Neuropsychological Testing in Pediatric Brain Tumors. University of Pennsylvania Abramson Cancer Center conference, “Focus on Brain Cancer: Discovery to Recovery”, 9/21/12.
- 2013 The Nature of Attention. Children’s Hospital of Philadelphia, Neuropsychology Seminar (CE workshop), 1/23/13.
- 2013 Specificity of the Cognitive Response to Irradiation: Longitudinal Patterns. Children’s Hospital of Philadelphia, Brain Tumor Program Research Seminar, 3/1/13.
- 2014 Quality of Life and Neurocognitive Function in Brain Tumor Survivors. Penn Oncology Neurosurgery Symposium, June 6, 2014.
- 2015 Quality of Life and Neurocognitive Function in Brain Tumor Survivors: Long-term cognitive outcomes across the lifespan, depression, rehabilitation. Penn Oncology Neurosurgery Symposium – Brain Tumors 2015: Bridging Precision Science and Personalized Medicine. Philadelphia, April 10, 2015.
- 2015 Positive Outcomes: Translational Studies to Identify Phasic Injury and Recovery of Cognitive Function after Irradiation of Pediatric Brain Tumors. The Children’s Hospital of Philadelphia Research Institute Scientific Symposium, May 5, 2015.
- 2016 Effects of Time on Quality of Life, and QOL Effects on Survival. Penn Oncology Neurosurgery Symposium – Brain Tumors 2016: Innovation Meets Best Practices. Philadelphia, May 13, 2016.

## **Bibliography:**

### **Research Publications, peer-reviewed:**

- Armstrong, C. Psychological and Cognitive Long-Term Dynamics of Mild Head Injuries: A Case Study. *Neuropsychology*, 1987, 1, 15-19.
- Armstrong, C. Luria's Theory Of Brain Function Recovery with Applications to the Use of Computers in Cognitive Retraining. *Cognitive Rehabilitation*, 1989, 7, (1), 10-15.
- Armstrong, C. Emotional Changes Following Brain Injury: Psychological and Neurological Components of Depression and Denial. *Journal of Rehabilitation*, 1991, 57 (2), 15-22.
- Armstrong, C., Mollman, J., Corn, B., Alavi, J., Grossman, M. The Effects of Radiation Therapy on Adult Brain Functioning: Evidence for a Rebound Phenomenon in a Phase I Trial. *Neurology*, 1993,43,1961-65.
- Grossman, M, Armstrong, C, Onishi, K, Thompson, H, Schaefer, B, Cohen, J, et al. Patterns of cognitive impairment in relapsing-remitting and chronic progressive multiple sclerosis . *Neuropsychiatry, Neuropsychology, and Behavioral Neurology*, 1994, 7 (3), 194-210.
- Armstrong, C. Longitudinal Neuropsychological Effects of N- Hexane Exposure: Neurotoxic Effects Versus Depression. *Archives of Clinical Neuropsychology*, 1995,10, 1-19.
- Armstrong, C., Ruffer, J., Corn, B., DeVries, K., Mollman, J. Biphasic Patterns of Memory Deficits Following Moderate Dose/Partial Brain Irradiation: Neuropsychological Outcome and Proposed Mechanisms. *Journal of Clinical Oncology*, 1995,13 (9), 2263-71.
- D'Esposito, M., Onishi, K., Thompson, H., Robinson, K., Armstrong, C., Grossman, M. Working Memory Impairments In Multiple Sclerosis: Evidence From A Dual-Task Paradigm. *Neuropsychology*,1996,10, 51-6.
- Armstrong, C., Onishi, K., Robinson, K., D'Esposito, M., Thompson, H., Rostami, A., Grossman, M. Serial Position and Temporal Cue Effects in Multiple Sclerosis: Two Subtypes of Defective Memory Mechanisms. *Neuropsychologia*,1996, 34(9), 853-62.
- Robinson KM, Thompson H, Onishi K, D'Esposito M, Armstrong C, Grossman M. Text comprehension difficulty and slowed information processing in multiple sclerosis. *Brain and Cognition* 1996, 30(3),291-294.
- Armstrong, C. Selective Versus Sustained Attention: A Continuous Performance Test Revisited. *The Clinical Neuropsychologist*, 1997, 11(1), 18-33.



- Armstrong, C., Lewis, T., D'Esposito, M., Freundlich, B. *Eosinophilia Myalgia Syndrome (EMS): Selective Cognitive Impairment, Longitudinal Effects and Neuroimaging Findings. Journal of Neurology, Neurosurgery, and Psychiatry*.1997, 63, 633-41.
- Armstrong, C. and Cloud, B. The Emergence of Spatial Rotation Deficits in Dementia and Normal Aging. *Neuropsychology*, 1998, 12(2),208-17.
- van Buchem, M.A., Grossman, R.I., Armstrong, C., Polansky, M., Miki, Y., Heyning, F.H., et al. Correlation of Volumetric Magnetization Transfer Imaging with Clinical Data in Multiple Sclerosis. *Neurology*, 1998,50,1609-17.
- Armstrong, C., Corn, B., Ruffer, J., Pruitt, A., Mollman, J., Phillips, P. Radiotherapeutic Effects on Brain Function: Double Dissociation of Memory Systems. *Neuropsychiatry, Neuropsychology, Behavioral Neurology*, 2000,13(2), 101-11.
- Armstrong, C., Stern, C.H., Ruffer, J., Corn, B. Memory Performance Used to Detect Radiation Effects on Cognitive Functioning. *Applied Neuropsychology*, 2001, 8(3), 129-39.
- Armstrong, C.L., Goldstein, B., Cohen, B., Jo, M-Y., Tallent, E. Clinical Predictors of Depression in Patients with Low-Grade Brain Tumors: Consideration of a Neurologic versus a Psychogenic Model. *Journal of Clinical Psychology in Medical Settings*, 2002;9(2):97-107.
- Armstrong, C., Hunter, J., Ledakis, G., Goldstein, B., Cohen, B., Tallent, E., Tochner, Z., Lustig, R., Judy,K., Pruitt, A., Mollman, J., Stanczak, E., Jo, M-Y, le Than, T., Phillips, P. Late Cognitive and Radiographic Changes Related to Radiotherapy: Initial Prospective Findings. *Neurology*, 2002;59: 40-8.
- Armstrong, C.L., Goldstein, B., Shera, D., Ledakis, G.E., Tallent, E.M. The Predictive Value of Longitudinal Neuropsychological Assessment in the Early Detection of Brain Tumor Recurrence. *Cancer*, 2003;97(3):649-56.
- Goldstein, B., Armstrong, C.L., John, C. Neuropsychological Effects of Intracranial Tumors on Attention. *Journal of Clinical and Experimental Neuropsychology*, 2003;25(1), 66-78.
- Seiler, C. B., Armstrong, C.L. The Effects of Radiotherapy on Brain and Behavior through the Life Span. *Medical and Pediatric Oncology*, 2003;41:460-466.
- Goldstein, B, Armstrong, CL, Modestino, E, Ledakis, GE, John, C, Hunter, JV. Picture and word recognition memory in adult intracranial tumor patients. *Brain and Cognition*, 2004;54:1-6.
- Goldstein, B., Obrzut, J. E., John, C., Ledakis, G., and Armstrong, C. L. The impact of frontal and non-frontal brain tumor lesions on Wisconsin Card Sorting Test performance. *Brain and Cognition*, 2004;54:110-116.

- Armstrong, C.L., Gyato, K., Awadalla, A., Lustig, R., Tochner, Z. A Critical Review of the Effects of Therapeutic Irradiation on Brain: The Roots of Controversy. *Neuropsychology Review*, 2004;14(1):65-86.
- Armstrong, C.L., Traipe, E., Hunter, J.V., Haselgrove, J., Ledakis, G.E., Tallent, E.M., Shera, D., van Buchem, M.A. Age-Related, Hemispheric, and Medial/Lateral Differences in Myelin Integrity in Vivo in the Normal Adult Brain. *American Journal of Neuroradiology*, 2004;25:977-984.
- Goldstein B, Obrzut JE, John C, Hunter, JV, Armstrong CL. The impact of low-grade brain tumors on verbal fluency performance. *Journal of Clinical and Experimental Neuropsychology*, 2004;26:750-758.
- Armstrong CL, Hunter JV, Hackney D, Shabbout M, Lustig R, Goldstein B, Werner-Wasik M, Curran W. MRI changes due to early-delayed conformal radiotherapy and postsurgical effects in patients with brain tumors. *International Journal of Radiation Oncology Biology and Physics*, 2005;63(1):56-63.
- Correa DD, Maron L, Harder H, Klein M, Armstrong CL, Calabrese P, Abrey LE, Batchelor TT, Schiff D. Cognitive Functions in Primary CNS Lymphoma: Literature Review and Assessment Guidelines. *Annals of Oncology*, 2007; 18(7), 1145-1151.
- Moitra E, Armstrong CL. Tumor locus moderates anxiety symptoms in a pediatric neuro-oncologic sample. *Child Neuropsychology*, 2009; 15, 460-470.
- Palmer SL, Lesh S, Wallace D, Bonner BJ, Swain M, Chapieski L, Janzen L, Mabbott D, Knight S, Boyle R, Armstrong CL, Gajjar A. How parents cope with their child's diagnosis and treatment of an embryonal tumor: Results of a prospective and longitudinal study. *Journal of Neuro Oncology* 2011, 105(2), 253-259.
- Seiler C, Shera, D, Jones K, Armstrong CL Brain Region White Matter Associations with Visual Selective Attention. *Brain Imaging and Behavior*, 2011, 5(4), 262-273.
- Armstrong CL, Shera DM, Lustig RA, Phillips PC. Phase measurement of cognitive impairment specific to radiotherapy. *International Journal of Radiation Oncology Biology Physics*, 1 July 2012, 83(3), e319-e324. PMID: 22420968.
- Brinkman TM, Palmer SL, Chen S, Zhang H, Evankovich K, Swain MA, Bonner MJ, Janzen L, Knight S, Armstrong CL, Boyle R, Gajjar A. Parent-reported social outcomes after treatment for pediatric embryonal tumors: A prospective longitudinal study. *Journal of Clinical Oncology* 2012, 30(33), 4134-4140.
- Moitra E, Armstrong CL. Neural substrates for heightened anxiety in children with brain tumors. *Developmental Neuropsychology*, 2013, 38(5), 337-351.

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- Schreiber JE, Gurney JG, Palmer SL, Bass JK, Wang M, Chen S, Zhang H, Swain M, Chapieski ML, Bonner MJ, Mabbott DJ, Knight SJ, Armstrong CL, Boyle R, Gajjar A. Examination of Risk Factors for Intellectual and Academic Outcomes following Treatment for Pediatric Medulloblastoma. *Neuro-Oncology*, 2014, 16(8), 1129-1136; doi: 10.1093/neuonc/nou006.
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- Armstrong CL, Fisher, MJ, Yimei L, Lustig RA, Belasco JB, Minturn JE, Hill-Kayser CE, Batra S Phillips PC. Neuroplastic Response following Radiotherapy for Pediatric Brain Tumors: A Pilot Study. *International Journal of Radiation Oncology Biology Physics*, 2016. doi: 10.1016/j.ijrobp.2016.01.013
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## **Books**

- Armstrong CL, Morrow L. *Neuropsychologia medyczna*. Warsaw: Wydawnictwo Lekarskie PZWL, 2014. Polish translation from English language edition, *Handbook of Medical Neuropsychology*, Springer, 2014.
- Armstrong CL. Handbook of Medical Neuropsychology: Applications of Cognitive Neuroscience. C. L. Armstrong (Ed.), and L. Morrow (Assoc. Ed.). New York, NY: Springer, 2011.
- Armstrong CL. Cancer. C. L. Armstrong (Assoc. Ed.) In J. Kreutzer, B. Caplan, J. DeLuca (Eds), Encyclopedia of Clinical Neuropsychology. New York, NY: Springer, 2011.

## **Chapters**

Armstrong, C. *The Neuropsychology of Treatments for Individuals with Brain Tumors*. In E. A. Zillmer and M. V. Spiers (Eds.) Principles of Neuropsychology. Belmont, CA: Wadsworth/Thomson Learning, 2001.

Armstrong, CL, Hayes, KM, and Martin, R. *Neurocognitive Problems in Attention Deficit Disorder: Alternative Concepts and Evidence for Impairment in Inhibition of Selective Attention*. In J. Wasserstein, L. E. Wolf, and F. F. LeFevre (Eds.), Adult Attention Deficit Disorder: Brain Mechanisms and Life Outcomes: Vol. 931, pp 196-215. Annals of the New York Academy of Sciences. New York: New York Academy of Sciences. 2001.

Armstrong, CL, Cunningham, J. *Functional and Developmental Effects of Environmental CO Toxicity in Children*. In D. Penney (Ed), Carbon Monoxide Poisoning. CRC Press. 2008.

Armstrong, CL, Schmus, CJ, Belasco, JB. *Neuropsychological Problems in Neuro-Oncology*. In C. L. Armstrong (Ed.), Handbook of Medical Neuropsychology: Applications of Cognitive Neuroscience. New York: Springer, 2010.

Armstrong CL. Early-delayed radiotherapy effects; Endothelial proliferation; Involved field radiotherapy; Late effects of radiotherapy; Late-delayed effects of radiotherapy; Metastasis; Neurofibromatosis 1; Neurofibromatosis 2; Pleomorphism; Plexiform neurofibromas; Proton beam therapy; Radiation injury; Radiation necrosis; Tuberos scleriosis; Tumor grading. In J. Kreutzer, B. Caplan, J. DeLuca (Eds), Encyclopedia of Clinical Neuropsychology. New York: Springer, 2011.

## **Research Publication, non peer-reviewed:**

Armstrong, C. Dissertation: *Adaptation to Prolonged Stress*. In fulfillment of requirements for a Doctorate in Philosophy, Clinical Psychology, at The Wright Institute, Berkeley, CA.

Armstrong, C. *Iatrogenic effects of radiation therapy for brain tumors: Longevity vs Quality of Life*. American Psychological Association, Division of Clinical Neuropsychology, Newsletter, 40, Summer/Fall, 1999.

Armstrong, C. L. *Book Review: The Neuropsychology of Cancer and Oncology*. Chad A. Noggle and Raymond S. Dean (Eds.), NY: Springer Publishing Company. Archives of Clinical Neuropsychology, 2014, 29(5), 497-499.

## **Abstracts/Conference Papers:**

Armstrong, C., Vicente, P. *Referrals for Neuropsychological assessments: Psychological characteristics of neurologic and pseudoneurologic referrals*. National Academy of

- Neuropsychology Convention, Houston. International Journal of Clinical Neuropsychology, 1984, 51(1), 81-81.
- Armstrong, C., & Seebauer, E. *A test of written expression*. National Academy of Neuropsychology Convention, Washington, D.C. Archives of Clinical Neuropsychology, 1990, 5(2), 154.
- Armstrong, C. *Neuropsychological patterns of attention in developmental learning disorders and EEG variants: Case studies*. National Academy of Neuropsychology Convention, Reno. Archives of Clinical Neuropsychology, 1991, 6.
- Armstrong, C, Mollman, J, Corn, B, Alavi, J, Fox, K, Grossman, M. *The early neuropsychological effects of radiation therapy on adult brain-behavior functioning*. American Association of Neurology Conference, San Diego. Neurology, 1992: 42(Suppl.1.3), 279.
- Armstrong, C. *Symposium: Anatomic dynamism of cognitive deficits in dementia*. American Psychological Association, Washington, DC. The Clinical Neuropsychologist, 1992, 6, (3), 328.
- Armstrong, C., Grossman, M., Schaefer, B. *The specificity and heterogeneity of cognitive deficits and interactions with functional factors in two forms of Multiple Sclerosis*. International Neuropsychology Society Conference, Galveston, TX. Journal of Clinical and Experimental Neuropsychology, 1993, 15.
- Armstrong, C., Mollman, J., Corn, B., Alavi, J., Grossman, M. *The effects of radiation therapy on adult brain functioning: Evidence for a rebound phenomenon in a phase 1 trial*. International Neuropsychology Society Conference, Galveston, TX. Journal of Clinical and Experimental Neuropsychology, 1993, 15.
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- Armstrong, C., DeVries, K., Ruffer, J., Corn, B., & Mollman, J. *The effects of radiation therapy on memory in adults*. Proceedings of The Third Practical Aspects of Memory Conference, Univ. of Maryland, 1994.
- Cloud, B., Socha-Gelgot, C., Woods, K., Lewis, T. & Armstrong, C. *The Road Map Test: Spatial rotation and laterality effects, does the view count?* International Neuropsychology Society Conference, Seattle, WA. J of the International Neuropsychology Society, 1995, 2(1), 178.
- Armstrong, C, Onishi, K, D'Esposito, M, Robinson, K, & Grossman, M. International Neuropsychology Society Conference, Seattle, WA. *Memory encoding versus retrieval*

- impairment in multiple sclerosis.* Journal of the International Neuropsychology Society, 1995,2(1),183.
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