

## Talin Babikian, PhD, ABPP

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## Curriculum Vitae (As of October 2025)

### **EDUCATION**

Fellowship 2005-2009	Pediatric Neuropsychology, Clinical/Research Track Psychiatry and Biobehavioral Sciences David Geffen School of Medicine at UCLA
Internship 2004-2005	Developmental Disabilities Track Neuropsychiatric Institute (NPI)/Psychiatry and Biobehavioral Sciences David Geffen School of Medicine at UCLA
PhD 2005	Clinical Psychology; Minor: Neuropsychology Graduate School, Loma Linda University, CA
MPH 2004	Biostatistics School of Public Health, Loma Linda University, CA
MA 2001	Psychology, Experimental Emphasis Graduate School, Loma Linda University, CA
MA 1999	Near Eastern Languages and Cultures Major: Armenian; Emphasis: Literature Graduate School, University of California, at Los Angeles (UCLA)
AB 1997	Psychology Occidental College, Los Angeles, CA

### **HONORS AND RECOGNITIONS**

Friend of the American Music Therapy Association	2013
UCLA Brain Injury Research Center Young Investigator Award	2007
Ruth L. Kirschstein National Research Service Award (NRSA)	2006-2008
Student Research Award, American Public Health Association	2001
School Health Education and Services Section, Atlanta, Georgia	
Selma Andrews Scholarship, Graduate School, Loma Linda University	2000-2004
Dean's List, Loma Linda University	1999-2005
W.E.D. Scholarship Recipient	1999-2003

## **SOCIETY MEMBERSHIPS & AFFILIATIONS**

Sports Neuropsychology Society – Professional Member	2024-present
American Board of Clinical Neuropsychology – Member	2010-present
Armenian American Medical Society (AAMS)	2009-2016
National Neurotrauma Society	2008-2016
International Neuropsychological Society	2005-present
National Academy of Neuropsychology	2004-2016
APA Div 40 – Clinical Neuropsychology	2002-2017
APA Div 54 – Society of Pediatric Psychology	2001-1008
APA Div 53 – Society of Clinical Child and Adolescent Psychology	2001-2005
American Public Health Association	2000-2002
American Psychological Association	1994-2017

## **PROFESSIONAL LICENSE / BOARD CERTIFICATION**

American Board of Professional Psychology (ABPP) – Clinical Neuropsychology	2011
Psychologist (California): PSY 21738	2007-present
Psychological Assistant (California): PSB 31357	2005-2007

## **PROFESSIONAL EXPERIENCE**

<u>Training Director for Neuropsychology Fellowship</u> Department of Psychiatry and Biobehavioral Sciences David Geffen School of Medicine at UCLA	2024-present
<u>Promotion to Associate Clinical Professor</u> Department of Psychiatry and Biobehavioral Sciences David Geffen School of Medicine at UCLA	2019-present
<u>Visiting Associate Professor</u> Department of Medical Psychology Yerevan State Medical University, Republic of Armenia	2018-present
<u>Associate Director, Neuropsychological Services</u> UCLA Steve Tisch BrainSPORT Program Division of Pediatric Neurology, Mattel Children’s Hospital at UCLA	2014-present
<u>Assistant Clinical Professor</u> Department of Psychiatry and Biobehavioral Sciences David Geffen School of Medicine at UCLA	2012-2019
<u>Private Clinical Practice</u> Clinical Psychology / Neuropsychology	2005-present
<u>Assistant Research Professor and Clinical Instructor</u> Department of Psychiatry and Biobehavioral Sciences David Geffen School of Medicine at UCLA	2010-2012
<u>Research Fellow</u> Psychiatry and Biobehavioral Sciences, David Geffen School of Medicine at UCLA	2005-2009

Research Associate 1999-2004  
Department of Psychology, Loma Linda University, CA

## **PROFESSIONAL TRAINING**

### **Clinical/Research Training**

Postdoctoral Fellowship – Ruth L. Kirschstein NRSA Fellow (Research) 2006-2008  
UCLA School of Medicine, Semel Institute for Neuroscience and Human Behavior.  
Mentor: R. Asarnow, PhD

Neuropsychology Fellowship / Della Martin Fellow (Clinical) 2005-2009  
UCLA School of Medicine, Neuropsychiatric Institute and Hospital

Pre-doctoral Clinical Internship 2004-2005  
UCLA School of Medicine, Neuropsychiatric Institute and Hospital  
Developmental Disabilities Track

VA Greater Los Angeles Healthcare System, Los Angeles, CA 2003-2004  
Adult/Geriatric Neuropsychology Rotation

Loma Linda University Medical Center, Loma Linda, CA 2002-2003  
Adult Inpatient/Outpatient Neuropsychology Rotation, Department of Neurology

Harbor-UCLA Medical Center, Torrance, CA 2002-2003  
Outpatient Neuropsychology Services (Department of Psychiatry), Pediatrics  
Neurodevelopmental Assessment (Department of Pediatrics), and HIV Mental Health  
Services/Behavioral Medicine Rotation (Department of Psychiatry)

SAC Norton Mental Health Clinic, San Bernardino, CA 2001-2002  
Community Mental Health Center, Psychodiagnostics and Psychotherapy Services.

Loma Linda University and Children’s Hospital, Loma Linda, CA 1999-2004  
Rehabilitation Services/Pediatric Psychology, Pediatric Neuroassessment Program (PNAP),  
Growing Fit Program, Craniofacial Clinic, and Kids FARE Clinic.

### **Other Training Experiences**

Gestalt Associates Training, Los Angeles (GATLA) 2002-2003  
2004-2005  
Residential training in Gestalt Therapy, Prague, Czech Republic 2003

## **PUBLICATIONS AND PRESENTATIONS**

### **Peer Reviewed Journal Articles**

Ignacio, D., **Babikian T.**, Dennis, E., Bickart, K., Choe, M., Snyder, A., Brown, A., Giza, C., & Asarnow, R. (2024). The neurocognitive correlates of DTI indicators of white matter disorganization in pediatric moderate-to-severe trauma brain injury. *Frontiers in Human Neuroscience*, <https://doi.org/10.3389/fnhum.2024.1470710>.

Ignacio, D. & **Babikian, T.** (2024). Contextual considerations for the neuropsychological assessment of pediatric mTBI, *Journal of Pediatric Neuropsychology*, <https://doi.org/10.1007/s40817-024-00170-y>.

Wing, S., Caiquo, J. Butler, C., Giza, C., & **Babikian, T.** (2024). Framing racial disparities within sports related concussion (SRC): An ecological framework for understanding biases and disparities in concussion for black athletes. *International Review of Psychiatry*, <https://www.tandfonline.com/doi/full/10.1080/09540261.2024.2387186>.

Wolff, B., Glasson, E., **Babikian, T.**, & Pestell, C. (2024). Self-reported traumatic brain injury and its biopsychosocial risk factors in siblings of individuals with neurodevelopmental conditions, *Developmental Neuropsychology*, <https://doi.org/10.1080/87565641.2024.2377689>.

Kennedy, E., Liebel, S., Lindsey, H., Vadlamani, S., Lei, P...**Babikian, T**....Dennis, E. (2024). Verbal learning and memory deficits across neurological and neuropsychiatric disorders: Insights from an ENIGMA mega analysis, *Brain Sciences*, 14(7), 669.

Dennis, E., Vervoordt, S., Adamson, M., Houshang, A....**Babikian, T**....Hillary, F. (2024). Accelerated aging after traumatic brain injury: An ENIGMA multi-cohort mega-analysis. *Annals of Neurology*, 00:1-13. DOI: 10.1002/ana.26952.

Sawlani, S., Goldman, J., **Babikian, T.**, McArthur, D.L., Polster, D., McCrea, M., McCallister, T., Giza, C.C., & the CARE Consortium Investigators (2024). Association of premorbid anxiety and depression symptoms on concussion recovery in collegiate student-athletes. *Sports Health*, <https://doi.org/10.1177/19417381241255308>

Kennedy, E., Vadlamani, S., Lindsey, HM., Lei PW, ... **Babikian T**, ... Dennis, EL., & Wilde, EA. (2023). Bridging big data: Procedures for combining non-equivalent cognitive measures from the ENIGMA consortium. doi: 10.1101/2023.01.16.524331. PMID: 36712107; PMCID: PMC9882238.

Keleher, F., Lindsey, H., Kerestes, R., Amiri, H., Asarnow, R., **Babikian, T**....Dennis, E. (2023). Multimodal analysis of secondary cerebellar alterations after pediatric traumatic brain injury. *JAMA Network Open*, 6(11):e2343410.

**Babikian, T.** (2023). Invited Commentary: IQ after pediatric concussion: Clinical considerations. *Pediatrics*, 152(2): e2023062182.

Giza, C., Gioia, G., Cook, L., Asarnow, R., Snyder, A., **Babikian, T**....Rivara, F. (2023). The CARE4Kids study: Endophenotypes of persistent post-concussive symptoms in adolescents - study rationale and protocol. *Journal Neurotrauma*, <http://doi.org/10.1089/neu.20-23.0073>.

Bickart, K., Olsen, A., Dennis, E., **Babikian, T.**, Hoffman, A., Snyder, A., Sheridan, C., Fischer, J., Giza, C., Choe, M., & Asarnow, R. (2023). Frontoamygdala hyperconnectivity predicts affective dysregulation in adolescent moderate-severe TBI. *Front. Rehabil. Sci.* 3:1064215.

**Babikian, T.** (2022). Invited Commentary | Neurology: Contextual Considerations for the increased risk of mental health problems following concussion in youth. *JAMA Network Open*, 5(3):e221242.

Fischer, J.T., Bickart, K.C., Giza, C., & **Babikian, T.** (2022). A review of family environment and neurobehavioral outcomes following pediatric traumatic brain injury: Implications of early

adverse experiences, family stress, and limbic development. *Biological Psychiatry*, 91(5), 488-497.

Snyder, A.R., Greif, S.M., Clugston, J.R., FitzGerald, D.B., Yarrow, J.F., **Babikian, T.**, Giza, C.C., Thompson, F.J., & Bauer, R.M. (2021). The effect of aerobic exercise on concussion recovery: A pilot clinical trial. *J Int Neuropsychol Soc*, 27(8), 790-804.

Snyder, A., Sheridan, C., Tanner, A., Bickart, K., Sullan, M., Craske, M., Choe, M., **Babikian, T.**, Giza, C., & Asarnow, R. (2021). Cardiorespiratory functioning in youth with persistent post-concussion symptoms: A pilot study. *J Clin Med*, 10(4), 561.

Dennis, E.L., Caeyenberghs, K., Hoskinson, K.R., Merkley, T.L., Suskauer, S.J., Asarnow, R.F., **Babikian, T.**...Wilde, E.A. (2021). White matter disruption in pediatric traumatic brain injury: Results from ENIGMA pediatric moderate to severe traumatic brain injury. *Neurology*, 97(3), e298-309.

Gioia, G. A., **Babikian, T.**, Barney, B. J., Chrisman, S. P. D., Cook, L. J., Didehbani, N., Richards, R., Sady, M. D., Stolz, E., Vaughan, C., Rivara, F., & Giza, C. (2020). Identifying school challenges following concussion: psychometric evidence for the Concussion Learning Assessment & School Survey, 3<sup>rd</sup> Ed. (CLASS-3). *Journal of Pediatric Neuropsychology*, 6, 203-217.

Dennis, E. L., Caeyenberghs, K., Asarnow, R. F., **Babikian, T.**, Bartnik-Olson, B., Bigler, E. D., ... Wilde, E. A. (2020). Challenges and opportunities for neuroimaging in young patients with traumatic brain injury: A coordinated effort towards advancing discovery from the ENIGMA pediatric moderate/severe TBI group. *Brain Imaging and Behavior*.

Bartnik-Olson, B.L., Alger, J.R., **Babikian, T.**, Harris, A.D., Holshouser, B., Kirov, I.I., Maudsley, A.A., Thompson, P.M., Dennis, E.L., Tate, D.F., Wilde, E.A., & Lin, A. (2020). The clinical utility of Magnetic Resonance Spectroscopy in traumatic brain injury: Recommendations from the ENIGMA MRS working group. *Brain Imaging and Behavior*.

Bickart, K., Olsen, A., Dennis, E., **Babikian, T.**, Asarnow, R., & Giza, C.C. (2020). Amygdala hypoconnectivity and emotional blunting in pediatric moderate/severe TBI. *Neurology*, 94 (15 Supplement).

Olsen, A., **Babikian, T.**, Bigler, E., Caeyenberghs, K., Conde, V., Dams-O'Connor, K.,...Hillary, F. (2020). Toward a global and reproducible science for brain imaging in neurotrauma: The ENIGMA adult moderate/severe traumatic brain injury working group. *Brain Imaging and Behavior*.

Lerner, S., Anderzhanova E., Verbitsky, S., Eilam, R., Kuperman, Y., Tsoory M., Kuznetsov, Y., Brandis, A., Mehlman, T., Mazkhereth, R., **UCDC Neuropsychologists**, McCarter, R., Segal M., Nagamani, SCS, Chen A., & Erez, A. (2019). ASL metabolically regulates tyrosine hydroxylase in the nucleus locus coeruleus. *Cell Rep*, 29(8), 2144-213.

Harris, M.B., Rafeedie, S., McArthur, D., **Babikian, T.**, Snyder, A., Polster, D., & Giza, C.C. (2019). Addition of occupational therapy to an interdisciplinary concussion clinic improves identification of functional impairments. *J Head Trauma Rehabil*, 34(6), 425-432.

Olsen, A., **Babikian, T.**, Dennis E., Ellis-Blied, M., Giza, C.C., Marion, S.D., Mink, R., Johnson, J., Babbitt, C., Thompson, P., & Asarnow, R. (2020). Functional brain hyper-activations are

linked to an electrophysiological measure of slow inter-hemispheric transfer time after pediatric moderate/severe traumatic brain injury. *Journal of Neurotrauma*, 27(2), 397-409.

Dennis, E., **Babikian, T.**, Alger, J., Rashid, F., Villalon-Reina, J., Jin, Y., Olsen, A., Mink, R., Babbitt, C., Johnson, J., Giza, C., Thompson, P., & Asarnow, R. (2018). Magnetic Resonance Spectroscopy of fiber tracts in children with traumatic brain injury: A combined MRS – diffusionMRI study, *Human Brain Mapping*, 39(9), 3759-3768.

**Babikian, T.**, Alger, J.R., Ellis, M. U., Dennis, E., Giza, C.C., Mink, R., Babbitt, C., Johnson, R., & Asarnow, R. (2018). Whole Brain Magnetic Resonance Spectroscopic determinants of functional outcomes in pediatric moderate/severe traumatic brain injury, *Journal of Neurotrauma*, 35(14), 1637-1645.

Dennis, E., **Babikian, T.**, Giza, C., Thompson, P., & Asarnow, R. (2018). Neuroimaging of the injured pediatric brain: Methods and new lessons. *The Neuroscientist*, 24(6), 652-670.

Dennis, E. L., **Babikian, T.**, Giza, C. C., Thompson, P. M., & Asarnow, R. F. (2017). Diffusion MRI in pediatric brain injury, *Child's Nervous System*, 33(10), 1683-1692.

Dennis, E. L., Faskowitz, J., Rashid, F., **Babikian, T.**, Mink, R., Babbitt, C., Johnson, J., Giza, C., Jahanshad, N., Thompson, P., & Asarnow, R. (2017). Diverging Volumetric Trajectories Following Pediatric Traumatic Brain Injury, *Clinical Neuroimage*, 15, 125-135.

Dennis, E. L., Rashid, F., Ellis, M., **Babikian, T.**, Vlasova, R., Villalon-Reina, J., Jin, Y., Olsen, A., Mink, R., Babbitt, C., Johnson, J., Giza, C., Thompson, P., & Asarnow, R. (2017). Diverging white matter trajectories in children after traumatic brain injury: The RAPBI study, *Neurology*, 88(15), 1392-1399.

Dennis, E. L., Rashid, F., Villalon-Reina, J., Prasad, g., Faskowitz, J., **Babikian, T.**, Mink, R., Babbitt, C., Johnson, J., Giza, C. C., Asarnow, R., F., & Thompson, P. (2016). Multi-modal registration improves group discrimination in pediatric traumatic brain injury, *Brainlesion*, 10154, 32-42.

Polster, D., Giza, C., & **Babikian, T.** (2016). Health-related quality of life after concussion: How can we improve management of care? *JAMA Pediatrics*, 170(12).

Moran, L. M., **Babikian, T.**, Del Piero, L., Kernan, C. L., Newman, N., Giza, c., Mink, R., Johnson, J., Babbitt, C., & Asarnow, R. (2016). Predictors of cognitive functioning following moderate/severe pediatric traumatic brain injury, *Journal of the International Neuropsychological Society*, 22(5), 512-9.

Dennis, E. L., Hua, X., Villalon-Reina, J., Moran, L. M., Kernan, C. L., **Babikian, T.**, Mink, R., Babbitt, C., Johnson, J., Giza, C. C., Thompson, P. M., & Asarnow, R., R. (2016). Tensor-based morphometry reveals volumetric deficits in moderate/severe pediatric traumatic brain injury, *Journal of Neurotrauma*, 33, 840-852.

**Babikian, T.**, Merkle, T, Savage, R., Giza, C., & Levin, H. (2015). Chronic aspects of pediatric traumatic brain injury, review of the literature, *Journal of Neurotrauma*, 32(23), 1849-60.

Ellis, M. U., Marion, S. D., McArthur, D. L., **Babikian, T.**, Kernan, C. L., Newman, N., Giza, C. C., Moran, L., Akarajian, R., Houshianejad, A., Mink, R., Johnson, J., Babbitt, C. J., Olsen, A., & Asarnow, R. F. (2015). The UCLA study of children with moderate and severe traumatic brain

injury: Event-related potential measure of interhemispheric transfer time, *Journal of Neurotrauma*, 33(11), 990-6.

Dennis, E., Ellis, M., Marion, S.D., Jin, Y., Moran, L., Olsen, A., Kernan, C., **Babikian, T.**, Mink R., Babbitt, C., Johnson, J., Giza, C., Thompson, P., & Asarnow, R. (2015). Callosal function in pediatric traumatic brain injury linked to disrupted white matter integrity, *Journal of Neuroscience*, 35(28), 10202-10211.

Dennis, E. L., Jin, Y., Villalon-Reina, J. E., Zhan, L., Kernan, C. L., **Babikian, T.**, Mink, R. B., Babbitt, C. J., Johnson, J. L., Giza, C. C., Thompson, P. M., & Asarnow, R. F. (2015). White matter disruption in moderate/severe pediatric traumatic brain injury: Advanced tract-based analyses, *NeuroImage: Clinical*, 7, 493-505.

**Babikian, T.**, Zeltzer, L., Tachdjian, V., Henry, L., Javanfard, E., Tucci, L., Goodarzi, M., & Tachdjian, R. (2013). Music as medicine: A review and historical perspective, *Alternative and Complementary Therapies*, 19(5), p251.

Bhatara, A., **Babikian T.**, Laugeson, E., Tachdjian, R., & Sininger, Y. (2013). Impaired timing and frequency discrimination in high-functioning autism spectrum disorders. *Journal of Autism and Developmental Disorders*, 43, 2312-2328.

Choe, M.C., **Babikian, T.**, DiFiori, J., Hovda, D.A., & Giza, C.C. (2012). A pediatric perspective on concussion pathophysiology, *Current Opinions in Pediatrics*, 24(6), 689-95.

**Babikian, T.**, McArthur, D., & Asarnow, R. F. (2013). Predictors of 1-month and 1-year neurocognitive functioning from the UCLA longitudinal mild pediatric TBI study, *Journal of the International Neuropsychological Society*, 19, 1-10.

**Babikian, T.**, Satz, P., Zaucha, K., Light, R., Lewis, R.S., & Asarnow, R. F. (2011). The UCLA longitudinal study of neurocognitive outcomes following mild pediatric TBI, *Journal of the International Neuropsychological Society*, 17, 1-10.

Vu, J., **Babikian, T.**, & Asarnow, R. F. (2011). Academic and language outcomes in children after Traumatic Brain Injury: A meta-analysis, *Exceptional Children*, 77(3), 263-281.

Cazalis, F., **Babikian, T.**, Giza, C., Copeland, S., Hovda, D., & Asarnow, R.F. (2011). Pivotal role of anterior cingulate cortex in working memory after traumatic brain injury in youth, *Frontiers in Neurotrauma*, 1, 158.

**Babikian, T.**, Prins, M. L., Cai, Y., Barkhoudarian, G., Hartonian, I., Hovda, D. A., and Giza, C. C. (2010). Molecular and physiological responses to juvenile TBI: Focus on growth and metabolism, *Developmental Neuroscience*, 32(5-6), 431-41.

**Babikian, T.**, Marion, S., Copeland, S., Alger, J., O'Neill, J. O., Cazalis, F., Mink, R., Giza, C., Vu, J., Hilleary, S., Kernan, C., Newman, N., & Asarnow, R. F. (2010). Multimodal correlates of callosal dysfunction in moderate to severe pediatric TBI: A study of MRS, DTI, evoked potentials, and neurobehavior, *Journal of Neurotrauma*, 27(3), 473-81.

**Babikian T**, Tong KA, Galloway NR, Freier-Randall MC, Obenaus A, Ashwal S. Diffusion-weighted imaging predicts cognition in pediatric brain injury. *Pediatr Neurol*. 2009; 41(6), 406-412.

Krivitzky, L., **Babikian, T.**, Hattiangadi-Thomas, N., Burk-Paull, K.L., and Batshaw, M.L. (2009). Intellectual, adaptive, and behavioral functioning in children with urea cycle disorders, *Pediatric Research*, 66(1), 96-101.

**Babikian, T.** & Asarnow, R. F. (2009), Neurocognitive outcome and recovery following pediatric TBI: Meta-analytic review of the literature, *Neuropsychology*, 23(3), 283-96.

Paz-Filho, G.J., **Babikian, T.**, Asarnow, R. F., Delibasi, T., Esposito, K., Kutlu, H. E., Wong, M., & Licinio, J. (2008). Leptin replacement improves cognitive development. *PLoS ONE*, 3(8), e3098.

Ashwal, S., **Babikian, T.**, Nichols, J., Freier, M.C., Tong, K.A., & Holshouser, B.A. (2006). Susceptibility-weighted imaging and proton magnetic resonance spectroscopy in assessment of outcome after pediatric traumatic brain injury. *Archives of Physical Medicine and Rehabilitation*, 87(12 Suppl), 50-8.

**Babikian, T.**, Freier, M.C., Ashwal, S., Holshouser, B.A., Burley, T., & Riggs, M. (2006). MR Spectroscopy: Predicting neuropsychological outcome following pediatric TBI. *Journal of Magnetic Resonance Imaging*, 24(4), 801-11.

**Babikian, T.** & Markosyan, K.M. (2006). HIV/AIDS in Armenia: A review of risk and protective factors of high-risk populations in Armenia. *Journal of the Society for Armenian Studies*, 15, 189-201.

Markosyan, K.M., **Babikian, T.**, DiClemente, R.J., Hirsch, J.S., & del Rio, C. (2006). Risk of Armenian female sex workers: Determinants of risk and preventive behaviors. *AIDS and Behavior*, 11(2), 325-34.

**Babikian, T.**, Boone, K., Lu, P., & Arnold, G. (2006). Sensitivity and specificity of various Digit Span scores in the detection of suspect effort. *The Clinical Neuropsychologist*, 20(1), 145-159.

Freier, M. C., McBride, D., Hopkins, G., **Babikian, T.**, Richardson, L., Helm, H. (2005). Moving research from risk assessment to program development and intervention in international settings. *Journal of Urban Health*, 82(3\_suppl\_4), iv9-iv15.

**Babikian, T.**, Freier, M.C., Ashwal, S., Holshouser, B.A., Burley, T., & Riggs, M. (2005). Susceptibility Weighted Imaging in the prediction of long-term neuropsychological outcome following pediatric TBI. *Pediatric Neurology*, 33(3), 184-194.

McBride, D.C., Freier, M.C., Hopkins, G.L., **Babikian, T.**, Richardson, L., Helm, H., Hopp Marshak, H., Boward, M.D., & Sector Health Care Affairs, St. Maarten, NA. (2005). Quality of parent-child relationship and adolescent HIV risk behavior in St. Maarten. *AIDS Care*, 17(Supplement 1), S45-S54.

Hopkins, G.L., Freier, M.C., **Babikian, T.**, Helm Jr., H.M., McBride, D.C., Boward, M., Gillespie, S., & DiClemente, R. (2004). Substance use among students attending a Christian university that strictly prohibits the use of substances. *Journal of Research on Christian Education (Spring)* 13(1), 23-29.

Freier, M.C., **Babikian, T.**, Pivonka, J., Burley Aaen, T., Gardner, J.M., Baum, M., Bailey, L.L., & Chinnock, R.E. (2004). A longitudinal perspective on neurodevelopmental outcome following infant cardiac transplantation. *Journal of Heart and Lung Transplantation*, 23(7), 857-864.

Baum, M., Freier, M.C., Freeman, K., **Babikian, T.**, Ashwal, S., Chinnock, R., & Bailey, L.L. (2004). Neuropsychological outcome of infant heart transplant recipients. *Journal of Pediatrics*, 145(3), 365-372.

**Babikian, T.**, Freier, M.C., Hopkins, G.L., DiClemente, R., McBride, D., & Riggs, M. (2004). An assessment of HIV/AIDS risk in higher education students in Yerevan, Armenia. *AIDS and Behavior*, 8(1), 47-61.

### **Scholarly Publications**

**Babikian, T.** (2004). MR Spectroscopy and Susceptibility Weighted Imaging: Neuropsychological Outcome after Pediatric Brain Injury. Doctoral Dissertation, Loma Linda University Graduate School. Chair: Kiti Freier, PhD.

**Babikian, T.** (2003). A review of the history, neurodevelopment, and neuropathology of memory and attention processes and subsequent sequelae following infant cardiac transplantation: Clinical and research implications. Comprehensive Examination (Passed with Commendation), Loma Linda University Graduate School.

**Babikian, T.** (2001). An assessment of HIV/AIDS risk and protective factors of students in Armenia. Master's Thesis, Loma Linda University Graduate School. Chair: Kiti Freier, PhD.

### **Book Chapters**

Sobel, N., **Babikian, T.**, & Boone, K.B. (2021). Intelligence tests as measures of effort. In Boone, K.B. (Ed). *Assessment of feigned cognitive impairment: A neuropsychological perspective, Second Edition*. New York: Guilford Publications, Inc.

**Babikian, T.**, Shrey, D. W., Mayo, M. C., & Giza, C. C. (under review). Pediatric Versus Adult Mild Traumatic Brain Injury: Age Matters. In Echemendia, R. & Iverson, G. L. (Eds.). *Oxford Handbook of Sport-Related Concussion*.

Dennis, E., Prasad, G., Daianu, M., Zhan, L., **Babikian, T.**, Kernan, C., Mink, R., Babbitt, C., Johnson, J., Giza, C., Asarnow, R., & Thompson, P. (2016). Fiber Tracking in Traumatic Brain Injury: Comparison of 9 Tractography Algorithms. Chapter in book: *Brainlesion: Glioma, Multiple Sclerosis, Stroke and Traumatic Brain Injuries*, pp. 33-44. First International Workshop, Brainles 2015, Held in Conjunction with MICCAI 2015, Munich, Germany, Revised Selected Papers.

**Babikian, T.**, DiFiori, J., & Giza, C. C. (2012). Pathophysiological Outcomes. In Kirkwood, M. W. & Yeates K. O. (Eds). *Mild Traumatic Brain Injury in Children and Adolescents: From Basic Science to Clinical Management*, Guilford Press.

**Babikian, T.** & Boone, K.B. (2007). Intelligence tests as measures of effort. In Boone, K.B. (Ed). *Assessment of feigned cognitive impairment: A neuropsychological perspective*. New York: Guilford Publications, Inc.

**Babikian, T.** & Freier, M.C. (2007). Sexuality and Society. In Helm, H.W., Jr., and McBride, D.C. (Eds). *Many voices: An introduction to social issues*. Andrews University Press.

### **Magazine Publications**

Hopkins, G.L., **Babikian, T.**, McBride, D., & Oliver, A. (2001). Media Messages: How do they affect our youth? *The Journal of Adventist Education*, February/March, 10-15.

### **Professional Presentations and Conference Papers**

**Babikian, T.** (2025). Invited Keynote: Neuropsychological detours: What are they and how do they shape our perspectives of brain/behavior relationships? Annual Australian Clinical Neuropsychology Association (ACNpA) Conference, Melbourne, Australia.

**Babikian, T.** (2025). Invited Workshop: All things TBI from a Lifespan Perspective. Annual Australian Clinical Neuropsychology Association (ACNpA) Conference, Melbourne, Australia.

**Babikian, T.** (2024). Neuropsychology of TBI from a Lifespan Perspective. Invited seminar for the Annual National Academy of Neuropsychology Conference, Austin, TX.

**Babikian, T.** (2024). The Neuropsychology of Brain Injury as a Framework for Critically Evaluating Diagnostic Dogma. Honorary International Presentation at the Annual Conference for the South African Clinical Neuropsychological Association, Pretoria, South Africa.

**Babikian, T.** (2024). The Role of Neuropsychological Assessment in Concussion: Clinical Considerations. Invited oral at the annual American Academy of Neurology Conference, Denver, CO.

Wing, S., Rosenbaum, P., Bhatela, N., Caiquo, J., France-Nkansah, F., Barney, B., Gavi, N., Giza, C., and **Babikian, T.** (2024). Social Determinants of Health (SDOH) in Pediatric Concussion. Poster presentation at the annual American Academy of Neurology Conference, Denver, CO.

**Babikian, T.** & Ogaryan, V. (2024). Trauma Informed Community Programming: Principles and Practice. Training of community wellness workers with displaced migrants of Artsakh in Armenia, in collaboration with the UCLA School of Public Health and the American University of Armenia (AUA).

**Babikian T.** (2023). Updated Guidelines for Return to Play and Return to Learn Following Concussion. Presented to medical staff of Los Angeles Unified School District, Los Angeles, CA.

**Babikian, T.** & Ogaryan, V. (2023). Parenting Through War and Trauma. Webinar for the Glendale Unified and Burbank Unified School Districts, Los Angeles, CA.

**Babikian, T.** (2022). CTE: Fact vs. Fiction. Presented at the Athletic Trainer's Conference for the Orthopaedic Institute for Children, Los Angeles, CA.

**Babikian, T.** & Ogaryan, V. (2021). Parenting Through Stress. Webinar-based lecture series for Armenian mental health and primary care providers in partnership with Children's Hospital Los Angeles.

**Babikian, T.** (2021). Traumatic Brain Injuries, Pathobiology, Assessment, and Outcomes. Webinar-based lecture series for Armenian mental health and primary care providers in partnership with Children's Hospital Los Angeles.

**Babikian, T.** (2021). Traumatic Brain Injuries in Military Populations. Invited lecture for mental health and primary health clinicians in Armenia.

**Babikian, T.** (2020). Traumatic Brain Injuries in Sports and Military Population. Invited Grand Rounds, Armenian Mental Health Initiative.

**Babikian, T.** (2020). Traumatic Brain Injuries in Youth: Pediatric Grand Rounds, Harbor-UCLA Medical Center, Los Angeles, CA.

**Babikian, T.** (2020). Invited moderator and faculty discussant for the documentary, *The Weight of Gold*, on athlete mental health, The Friends of the Semel Institute Open Mind Series.

**Babikian, T.** (2020). Stress, Post-Traumatic Stress, and Intergenerational Trauma, Presented in Armenian to families of the Glendale Unified School District.

**Babikian, T.** (2020). Traumatic Brain Injuries: Neurology Grand Rounds, Harbor-UCLA Medical Center, Los Angeles, CA.

**Babikian, T.** (2019). Traumatic Brain Injuries: FOCUS on military populations. Two-part training webinar for the FOCUS Project clinicians, Los Angeles, CA.

**Babikian, T.** (2019). Autism Spectrum Disorders: comorbidities, community resources, and alternative treatments. An invited lecture to the Armenian-American community, Tekeyan Cultural Center, Glendale, CA.

**Babikian, T.** (2019). MR Spectroscopic correlates of long-term functional outcomes following pediatric TBI. National Neurotrauma Society, invited CME course, Pittsburgh, PA.

**Babikian, T.** & Snyder, A. (2019). Phenomenology of adult ADHD: Neurodevelopmental aspects and implications for differential diagnosis. UCLA Counseling Services (CAPS) CE Course, 4 hours, Los Angeles, CA.

**Babikian, T.** (2019). Neurocognitive Challenges for Young Learners: A roadmap for identifying and treating academic, emotional, and social difficulties. Los Angeles County Psychological Association's Special Interest Group in Cognitive-Behavioral Therapy, Los Angeles, CA.

**Babikian, T.** (2019). Standard intelligence tests as measures of effort and malingering in the US. International Neuropsychological Society (INS) Annual Conference, New York, NY.

**Babikian, T.** (2018). The role of neuro-inflammation in pediatric traumatic brain injury. Society for Brain Mapping & Therapeutics (SBMT) Annual Conference, Los Angeles, CA.

**Babikian, T.** (2018). Neuropsychological Assessments in Concussion Management, Concussion Champions Presentation at local private schools, Los Angeles, CA.

**Babikian, T.** (2018). The use of computerized and non-computerized neurocognitive screening tools in sport concussion. Big Sky Athletic Training Sports Medicine Conference, Big Sky, MN.

**Babikian, T.** (2017). Pathobiology of functional impairments following moderate-severe pediatric traumatic brain injury. UC Neurotrauma Annual Conference, Santa Barbara, CA.

**Babikian, T.** (2017). Long term impact of pediatric traumatic brain injury. National Neurotrauma Society Annual Conference, Snowbird, UT.

Dennis, E., Rashid, F., Jahanshad, N., **Babikian, T.**, Mink, R., Babbitt, C., Johnson, J., Giza, C., Asarnow, R., & Thompson, P. (2017). A network approach to examining injury severity in pediatric TBI. IEEE International Symposium on Biomedical Imaging, Melbourne, Australia.

Zavaliangos-Petropulu, A., Dennis, E., Ver Steeg, G., **Babikian, T.**, Mink, R., Babbitt, C., Johnson, J., Giza, C., Asarnow, R., & Thompson, P. (2017). Variable clustering reveals associations between subcortical brain volume and cognitive changes in pediatric traumatic brain injury. 12<sup>th</sup> International Symposium on Medical Information Processing and Analysis. Conference Paper.

Dennis, E., Alger, J., **Babikian, T.**, Rashid, F., Villalon-Reina, J., Mink, R., Babbitt, C., Johnson, J., Giza, C., Asarnow, R., & Thompson, P. (2017). Tract-Based Spectroscopy to Investigate Pediatric Brain Trauma. 12<sup>th</sup> International Symposium on Medical Information Processing and Analysis. Conference Paper.

Rashid, F., Dennis, E. L., Villalon-Reina, J., Prasad, G., Faskowitz, J., **Babikian, T.**, Mink, R., Babbitt, C., Johnson, J., Giza, C.C., Asarnow, R., & Thompson, P. (2016). Improved group differentiation of adolescent traumatic brain injury using multimodal registration and "autoMATE." Society for Neuroscience, San Diego, CA.

**Babikian, T.** (2016). Two day seminar on theory and practice in paediatric neuropsychology, cognitive and learning disabilities, traumatic brain injury outcomes in children, and management of sports concussions. South African Clinical Neuropsychological Association (SACNA). Cape Town, South Africa.

**Babikian, T.** (2016). Mild TBI and Sports Concussions: Our Clinical Experience at UCLA. Department of Rehabilitation, St. Olav's University Hospital, Trondheim, Norway.

**Babikian, T.** (2016). Neurobehavioral Outcomes and Their Predictors Following Pediatric TBI. Department of Psychology, Norwegian University of Science and Technology (NTNU), Trondheim, Norway.

Ellis, M. U., Houshyarnejad, A., Doshi, R., Martinez, A., **Babikian, T.**, Kernan, C., L., Giza, C. C., Newman, N., & Asarnow, R. F. (2016). Academic Outcomes Post Moderate-to-Severe Pediatric TBI: Predictions for Early Intervention. Poster presentation at the annual American Psychological Association's conference, Denver, CO.

Polster, D.R., McArthur, D.L., Russo, S.A., Giza, C.C., **Babikian, T.** (2016). Establishing Cut-Off Scores on the Post-Concussion Scale Based on Probability of Return-to-Play within Three Weeks. American Academy of Neurology Sports Concussion Conference, Chicago, IL.

Polster, D. R., Russo, S. A., **Babikian, T.**, Smith, E. (2016). Predictors of Return to Play Using Post-Concussion Symptom Symptom Factor Scores and Neurocognitive Performance. Fourth Annual Sport Concussion Symposium, Houston, TX.

**Babikian, T.** (2016). Traumatic Brain Injury in Childhood. Stress, Trauma, and Resilience Seminar, UCLA Semel Institute for Neuroscience and Human Behavior, Los Angeles, CA.

**Babikian, T.**, Alger, J.R., Ellis, M. U., Dennis, E., Giza, C.C., Mink, R., Babbitt, C., Johnson, R.,

and Asarnow, R. (2016). Whole Brain MR Spectroscopic Determinants of Functional Outcomes in Pediatric Traumatic Brain Injury. Oral presentation at the International Neurotrauma Society Conference, Cape Town, South Africa.

Dennis, E., **Babikian, T.**, Alger, J., Jin, Y., Johnson, J., Babbitt, C., Mink, R., Giza, C., Thompson, P., & Asarnow, R. (2016). Integrated DWI and MRS Reveal White Matter Dysfunction in Pediatric TBI. Oral presentation at the International Neurotrauma Society Conference, Cape Town, South Africa.

**Babikian, T.**, Dennis, E., Asarnow, R., (2016). Neuroimaging Correlates of Long-Term Neurobehavioral Outcomes in Pediatric Traumatic Brain Injury, Symposium Presentation: Social Cognition and Function After Child TBI: Relation to Imaging. International Neuropsychological Society Annual Meeting, Boston, MA.

Dennis, E., Prasad, G., **Babikian, T.**, Kernan, C., Mink, R., Babbitt, C., Johnson, J., Giza, C., Asarnow, R., & Thompson, P. (2015). Adaptive Algorithms to Map How Brain Trauma Affects Anatomical Connectivity in Children. 11<sup>th</sup> International Symposium on Medical Information Processing and Analysis (SIPAIM 2015). Conference Paper.

Dennis, E., Hua, X., Villalon-Reina, J., Kernan, C., **Babikian, T.**, Mink, R., Babbitt, C., Johnson, J., Giza, C., Thompson, P., & Asarnow, R. (2015). Longitudinal Changes in Regional Brain Volume in Pediatric TBI: Preliminary Analyses. 33<sup>rd</sup> Annual National Neurotrauma Symposium, Volume: 32. Conference Paper in Journal of Neurotrauma.

Dennis, E., Jin, Y., Kernan, C., **Babikian, T.**, Mink, R., Babbitt, C., Johnson, J., Giza, C., Asarnow, R., & Thompson, P. (2015). White matter integrity in traumatic brain injury: Effects of permissible fiber turning angle. Presentation at the IEEE International Symposium on Biomedical Imaging conference, New York, NY. Proceedings of the IEEE Int Symp Biomed Imaging, 2015, 930-933.

Dennis, E., Ellis, M., Marion, S., Kernan, C., **Babikian, T.**, Mink, R., Babbitt, C., Johnson, J., Giza, C., Thompson, P., & Asarnow, R. (2015). Slowed Callosal Function in TBI Linked to Impaired White Matter Integrity. 33<sup>rd</sup> Annual National Neurotrauma Symposium, Volume 32, Conference Paper in Journal of Neurotrauma.

Ellis, M. U., Yeatman, C., Marion, S., Giza, C., Kernan, C., **Babikian, T.**, Martinez, A., & Asarnow, R. (2015, February). Differential outcomes in neural and cognitive functioning in children with moderate-to-severe traumatic brain injuries: The UCLA RAPBI study of event-related potentials. Oral paper presented at the International Neuropsychological Society (INS) Annual Meeting, Denver, CO.

**Babikian T.** (2014). Clinical Neuropsychology: When to Refer, What to Expect, and its Application in Brain Injury and Concussions, UCLA School of Medicine, Pediatrics, Grand Rounds, Los Angeles, CA.

**Babikian, T.** (2014). Neuropsychology in Research and Clinical Practice: Its Application in Head Injury and Concussion, Loma Linda University Department of Psychology Colloquium, Loma Linda, CA.

Dennis, E.L., Jin, Y., Villalon, J.E., Kernan, C.L., Mink, R., **Babikian, T.**, Giza, C.C., Asarnow, R.F., & Thompson, P. (2014). Tract-based Analysis of White Matter Disruption in Moderate/Severe Pediatric Traumatic Brain Injury, Society for Neuroscience, Washington, D.C.

**Babikian, T.** & Giza, C.C. (2014). Use Your Head: What You Need to Know About Youth Concussions from Basic Pathophysiology to Clinical Management, California Psychological Association Annual Conference, Monterey, CA.

**Babikian, T.** (2013). Music as Medicine: A Historical Perspective and Comprehensive Review of Current Clinical Applications. Presented at the Armenian American Medical World Congress, Hollywood, CA.

**Babikian, T.** (2013). Neurocognitive outcomes following pediatric brain injury and sports concussions. Presented at the Armenian American Medical World Congress, Hollywood, CA.

**Babikian, T.** (2013). Autism and related developmental disorders in children: myths versus facts about etiology, assessment, and early intervention. Presented at the Armenian American Medical World Congress, Hollywood, CA.

Giza, C.C., Santa Maria, N.S., Buen, F., Reger, M.L., Gurkoff, G.G., Harris, N.G., **Babikian, T.**, Cazalis, F., DeBoard Marion, S., Asarnow, R.F., & Hovda, D.A. (2013). Bench to bedside: Neuroplasticity and recovery after pediatric TBI, Los Angeles, CA.

Hartonian, I., **Babikian, T.**, Yudovin, S., & Giza, C., (2013). Sport-Related Concussion in Youth: Impact on Behavioral Functioning. 65<sup>th</sup> Annual Meeting of the American Academy of Neurology (AAN), Volume 80, Conference Paper in Neurology.

Fischer, J, Choe, M., Yudovin, S., McArthur, D, Asarnow, R., Giza, C., & **Babikian, T.** (2013). Impact of traumatic brain injury on real-world measures of school performance with a pediatric traumatic brain injury clinic population. Presented at the annual National Academy of Neuropsychology conference, San Diego, CA.

Houshyarnejad, A., Ellis, M., **Babikian, T.**, Kernan, C, & Asarnow, R. (2013). Do neuropsychological measures predict academic achievement in children with moderate to severe traumatic brain injury 12-months post injury? Presented at the annual National Academy of Neuropsychology conference, San Diego, CA.

Ellis, M. U., DeBoard Marion, S., Housarnejad, A., Akarakian, R., Kernan, C. L., **Babikian, T.**, Asarnow, R. (2013). Electrophysiological and Neurocognitive Correlates of Moderate to Severe Traumatic Brain Injury in Children. National Academy of Neuropsychology (NAN) 33<sup>rd</sup> Annual Conference, San Diego, CA.

**Babikian, T.** (2013, February). All day seminar on child development, red flags, and neuropsychological disorders for Tufenkian Preschool teachers, Hollywood, CA.

Henry, L., Tachdjian, R. & **Babikian, T.** Music Therapy as An Effective Complementary and Alternative Medicine Therapy in Children and Adolescents with Autism or Related Diagnosis. (2012). International Meeting for Autism Research, Conference Paper.

Villalon, J., Zhan, L., Prasad, G., **Babikian, T.**, Giza, C., Molina, L., Asarnow, R.F., & Thompson, P.M. (2012). Corpus callosum integrity in acute and chronic traumatic brain injury mapped with Diffusion Tensor Imaging. Presented at the annual Child Neurology Society, Huntington Beach, CA.

**Babikian, T.**, Alger, J.R., Marion, S.D., Kernan, C.L., Giza, C.C., Yudovin, S., Mink, R., & Asarnow, R.F. (2012). A longitudinal analysis of metabolic abnormalities, and their structural and neurobehavioral correlates following moderate to severe pediatric TBI. Presented at the annual Child Neurology Society, Huntington Beach, CA.

**Babikian, T.** (2012). Understanding the educational needs of students with acquired traumatic brain injuries in childhood and adolescence. Presented to Los Angeles Unified School District (LAUSD) personnel, Los Angeles, CA.

**Babikian, T.** (2011). Predicting neurocognitive outcomes post-acutely and at one year following mild pediatric traumatic brain injury. Presented at the annual California Brain Injury Association, Napa, CA.

**Babikian, T.** (2011). Injury and non-injury related predictors of cognitive and behavioral outcomes following pediatric brain injury Presented to psychology and neuropsychology pre-doctoral interns and post-doctoral fellows, Medical Psychology Assessment Center (MPAC) seminar.

Bhatara, A., Laugeson, E., **Babikian, T.**, & Sininger, Y. (2011). Auditory perception of timing in adolescents with Autism Spectrum Disorders (ASD). Presented at the International Meeting for Autism Research (IMFAR), San Sebastian, Spain.

**Babikian, T.** (2011). What's new in pediatric traumatic brain injury (TBI)? Presented to psychology and neuropsychology pre-doctoral interns and post-doctoral fellows, Medical Psychology Assessment Center (MPAC) seminar, Los Angeles, CA.

**Babikian, T.** (2011). Monogenic Disorders and their CNS Effects. Presented to UCLA psychology and neuropsychology pre-doctoral interns and post-doctoral fellows, Psychiatry Seminar, Los Angeles, CA.

Barkhoudarian, G., **Babikian, T.**, Prins, M. L., Cai, Y., Hartonian, I., Hovda, D. A., & Giza, C. (2010). Molecular and physiological responses to juvenile TBI: Focus on growth and metabolism. Presented at the National Neurotrauma Society Meeting, Las Vegas, NV.

Vu, J., **Babikian, T.**, & Asarnow, R.F. (2010). Meta-analysis of educational outcomes in pediatric TBI. Presented at the 7<sup>th</sup> Annual Young Child Expo and Conference, New York, NY.

**Babikian, T.** (2009). Neurocognitive and adaptive functioning in adults and children with urea cycle disorders. Presented at conference for Hyperion Therapeutics, San Francisco, CA.

**Babikian, T.**, Marion, S., Copeland, S., Alger, J.R., O'Neill, J., Cazalis, .F, Mink, R., Giza, C.C., Vu, J., Hilleary, S., Kernan, C., Newman, N., & Asarnow, R.F. (2009). Metabolite levels in the corpus callosum and their structural and neurobehavioral correlates following moderate to severe pediatric TBI. National and International Neurotrauma Society Conference, Santa Barbara, CA.

Copeland, S., Cazalis, F., **Babikian, T.**, Kernan, C., Giza, C.C., Hilleary, S., Vu, J., Mink, R., Marion, S., Newman, N., & Asarnow, R.F. (2009). Diffusion tensor imaging and recovery after pediatric traumatic brain injury: Fractional anisotropy in the corpus callosum and correlations with neuropsychological measures. National and International Neurotrauma Society Conference, Santa Barbara, CA.

Hilleary, S., **Babikian, T.**, Kernan, C., Giza, C.C., Asarnow, R.F., & Marion, S. (2009). Reductions in anterior corpus callosum area are related to bimanual coordination deficits in children five months after a moderate to severe TBI. National and International Neurotrauma Society Conference, Santa Barbara, CA.

**Babikian, T.** (2009). Pediatric traumatic brain injury: initial assessment and course of recovery and outcomes. UCLA School of Nursing seminar, Los Angeles, CA.

**Babikian, T.** (2009). Multimodal structural and functional correlates of callosal dysfunction in moderate to severe pediatric TBI: Post-acute MRS, DTI, and Neurobehavior. UCLA Neuroscience Research Seminar / Brain Mapping Seminar, Los Angeles, CA.

**Babikian, T.** (2008). Magnetic Resonance Spectroscopy (MRS) in mild TBI: When does a head bump become a brain injury? Presented at the University of California Neurotrauma Meeting, Carmel, CA.

Marion, S., **Babikian, T.**, Newman, N., Brown, W., Giza, C., & Asarnow, R. F. (2008). Functional disconnection as measured by interhemispheric communication following pediatric TBI. Presented at the University of California Neurotrauma Meeting, Carmel, CA.

Cazalis, F., **Babikian, T.**, Copeland, S., Kernan, C., Newman, N., Hovda, D., Giza, C., & Asarnow R. F. (2008). Executive functioning after Traumatic Brain Injury depends on difficulty. Presented at the 14<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, Melbourne, Australia.

Cazalis, F., **Babikian, T.**, Newman, N., Hovda, D.A., Giza C.C., & Asarnow R. F. (2007). Recovery after severe Traumatic Brain Injury: a pediatric fMRI study. Presented at the Annual Society for Neuroscience conference in San Diego, CA.

**Babikian, T** & Asarnow, R. F. (2007). Meta-analysis of neurocognitive outcomes in pediatric TBI. Presented at the New Frontiers in Pediatric Traumatic Brain Injury conference in San Diego, CA. Abstract published in *Developmental Neurorehabilitation* (2007), 10(4), 271-310.

Marion, S.D., **Babikian, T.**, Brown, W., & Asarnow, R. F. (2007). Bimanual coordination in adolescents with moderate-to-severe traumatic brain injury. Presented at the New Frontiers Traumatic Brain Injury conference in San Diego, CA. Abstract published in *Developmental Neurorehabilitation* (2007), 10(4), 271-310.

**Babikian, T.** (2006). UCLA Longitudinal Study of Recovery from TBI in Childhood: Preliminary Results from a Bimanual Coordination Test. Presented at the seventh annual University of California Neurotrauma Meeting, Carmel, California.

**Babikian, T.**, Holshouser, B., Freier, M.C., Tong, K., Burley, T., Riggs, M., & Ashwal, S. (2005). Proton spectroscopy predicts neuropsychological outcome after pediatric TBI. Presented at the ISMRM MR Spectroscopy in Neuropsychiatric Disorders Workshop, Banff, Alberta, Canada.

Pivonka-Jones, J., Mieras, S., Zaytsev, L., Freier, M.C., **Babikian, T.**, Hopkins, G.L., McBride, D. (2005). Social influence of tobacco use with adolescents in Eastern Europe. Presented at the annual American Public Health Association Conference, Philadelphia, PA.

Cazalis, F., Newman, N., **Babikian, T.**, Marion, S., Black, D., Reger, M.L., Hovda, D.A., Giza,

C., & Asarnow, R. F. (2005). fMRI study of adolescent traumatic brain injury. Presented at the National Neurotrauma Society Symposium, Washington, D.C.

Cazalis, F., Newman, N., **Babikian, T.**, Marion, S., Black, D., Reger, M.L., Hovda, D.A., Giza, C., & Asarnow, R. F. (2005). fMRI study of recovery after pediatric traumatic brain injury. Presented at the annual Society of Neuroscience conference, Washington, D.C.

**Babikian, T.**, Holshouser, B., Freier, M.C., Tong, K., Burley, T., Riggs, M., & Ashwal, S. (2005). Proton spectroscopy predicts neuropsychological outcome after pediatric TBI. Presented at the annual Child Neurology Society conference, Los Angeles, CA. Abstract published in *Annals of Neurology*, 58, S95.

Holshouser, B., **Babikian, T.**, Freier, M.C., Tong, K.A., Burley, T., Riggs, M., & Ashwal, S. (2005). Proton spectroscopy predicts neuropsychological outcome after pediatric traumatic brain injury. Presented at the International Society for Magnetic Resonance in Medicine conference, Miami Beach, FL.

Tong, K.A., Ashwal, A., Shutter, L., Wall, C., Nickerson, J., Aguilera, A., Zipperman, M., Galloway, N., **Babikian, T.**, Freier, M.C., Haacke, E.M., & Holshouser, B. (2005). Multimodal correlation of traumatic brain injury lesions with long-term clinical outcomes in children and adults. Presented at the International Society for Magnetic Resonance in Medicine conference, Miami Beach, FL.

**Babikian, T.** (2005). Magnetic Resonance Spectroscopy and Susceptibility Weighted Imaging: Predicting Long Term Neuropsychological Outcome after Pediatric TBI. Presented to Pediatric ICU fellows. UCLA, School of Medicine, Los Angeles, CA.

Freier, M.C., McBride, D., Hopkins, G., **Babikian, T.**, Richardson, L., & Helm, H. (2004). High Risk Behavior in Caribbean Youth: The role of communication and connection. Presented at the 132<sup>nd</sup> annual American Public Health Association conference, Washington, D.C.

Freier, M.C., **Babikian, T.**, Ashwal, S., and Chinnock, R. (2004). Predictors of Neuropsychological Outcome Following Infant Heart Transplantation. Presented at the 33<sup>rd</sup> Annual Meeting of the Child Neurology Society, Ottawa, Canada. Abstract published in *Annals of Neurology*, September, 2004.

Freier, M.C., Hopkins, G., McBride, D., DiClemente, R., Riggs, M., **Babikian, T.**, Lang, D., Pivonka, J., Enriquez, J., Zaytsev, M., & Richardson, L. (2004). Utility of Western theories in other cultures. Presented at the NIMH Conference on the Role of Families in Preventing and Adapting to HIV/AIDS, Atlanta, GA.

Markosyan, K., **Babikian, T.**, DiClemente, R.J., Grigoryan, S.R., & Manukyan, A. (2004). Challenges of HIV-prevention among Armenian commercial sex workers. Presented at the XV International AIDS Conference, Bangkok, Thailand.

Markosyan, K., **Babikian, T.**, DiClemente, R.J., Hirsch, J.S., & Grigoryan, S. (2004). Misconceptions of Armenian female commercial sex workers with regard to HIV/AIDS. Presented at the 10<sup>th</sup> annual conference of the World Foundation of Public Health Associations, Brighton, England.

Pivonka, J., **Babikian, T.**, Burley Aaen, T., Krishnamurthy, V., Freier, MC, & Chinnock, R. (2004). Learning deficits in infant heart transplant recipients. Presented at the Society for

Pediatric Psychology conference, Charleston, SC.

Krishnamurthy, V., Freier, MC, Burley Aaen, T., **Babikian, T.**, Pivonka, J., & Chinnock, R. (2004). Language functioning in infant heart transplant recipients. Presented at the Society for Pediatric Psychology conference, Charleston, SC.

Freier, M.C., McBride, D., Richardson, L., Sector Health Care Affairs, Hopkins, G., **Babikian, T.**, & Pivonka, J. (2004). Individual attitudes, perceived social norms and HIV risk behaviors in St. Maarten youth. Presented at the Multicultural Caribbean United against HIV/AIDS conference, Santo Domingo, Dominican Republic.

**Babikian, T.**, Boone, K., Lu, P., & Arnold, G. (2004). Sensitivity and specificity of various DigitSpan scores in the detection of suspect effort. Presented at the annual International Neuropsychological Society conference, Baltimore, MD.

McBride, D., Freier, M.C., Hopkins, G., **Babikian, T.**, Richardson, L., Sector Health Care Affairs, & Helm, H. (2004). HIV/AIDS risk and protective factors in St. Maarten: Application of a psychosocial risk behavior model. Presented at the HIV/AIDS Research in International Settings conference, St. Croix, United States Virgin Islands.

Markosyan, K., **Babikian, T.**, DiClemente, R., & Hirsch, J. (2003). HIV risk of Armenian female commercial sex workers: Barriers and facilitators of preventive behaviors. Presented at the European Public Health Association conference, Rome, Italy.

Burley Aaen, T., **Babikian, T.**, Pivonka, J., Gardner, J., Freier, M.C., & Chinnock, R. (2003). Neurodevelopmental outcome and behavioral/psychosocial concerns in infant heart transplant recipients. Presented at the Annual American Academy of Pediatrics conference, New Orleans, LA. Abstract published in *Pediatric Cardiology*, 24, 615.

**Babikian, T.**, Freier, M.C., Pivonka, J., Burley Aaen, T., Gardner, J., Baum, M., & Chinnock, R. (2003). Psychosocial functioning following infant heart transplantation: Parent and teacher assessments. Presented at the Annual American Academy of Pediatrics conference, New Orleans, LA. Abstract published in *Pediatric Cardiology*, 24, 614-615.

Freier, M.C., **Babikian, T.**, Lang, D., Macias, A., Burley Aaen, T., Hopkins, G., Ionescu, G., Mihaila, V., & McBride, D. (2003). An assessment of HIV/AIDS knowledge and prevalence of risk behaviors among Romanian youth. Presented at the Annual American Public Health conference, San Francisco, CA.

Pivonka, J., Mattar, P., **Babikian, T.**, Freier, M.C., Hardesty, R.A., & Swensen, R. (2003). Psychological sequelae of screening for breast cancer risk: Preliminary findings. Presented at the American Psychological Association's annual convention, Toronto, Canada.

Freier, M.C., **Babikian, T.**, Lang, D., Chan, J., Hopkins, G., Ionescu, G., Mihaila, V., & McBride, D. (2003). Knowledge and psychosocial factors in HIV/AIDS risk: A model for Romanian youth. Presented at the AIDS Impact 2003: Biopsychosocial Aspects of HIV Infection conference, Milan, Italy.

Kuehfluss, K.A., Ramirez, J.M., Burley Aaen, T., **Babikian, T.**, Macias, A., Reina-Patton, A., Yin, L., & Freier, M.C. Sponsored by Chinnock, R.E. (2003). Readiness for change and its relationship to psychosocial factors in pediatric obesity. Presented at the Annual Society for Pediatric Research convention, Seattle, WA.

**Babikian, T.**, Freier, M.C., Aaen, T.B., Pivonka, J., Gardner, J.M., Baum, M., Bailey, L.L., & Chinnock, R.E. (2003). Long-term neuropsychological sequelae of infant cardiac transplant recipients: Trends and predictors of outcome. Presented at the annual Society for Heart and Lung Transplantation conference, Vienna, Austria. Abstract published in *Supplement to The Journal of Heart and Lung Transplantation*, 22, 1S, S144-S145.

Freier, M.C., Pivonka, J., Gardner, J.M., **Babikian, T.**, Aaen, T.B., Baum, M., Bailey, L.L., & Chinnock, R.E. (2003). A longitudinal perspective on neurodevelopmental outcome following infant cardiac transplantation. Presented at the annual Society for Heart and Lung Transplantation conference, Vienna, Austria. Abstract published in *Supplement to The Journal of Heart and Lung Transplantation*, 22, 1S, S145.

Mattar, P.N., Pivonka, J., **Babikian, T.**, Freier, M.C., Killeen, K., Swensen, R., Salo, J., & Hardesty, R.A. (2003). Anxiety reduction in women at risk for BRCA gene mutation. Presented at the 8th Annual Multidisciplinary Symposium on Breast Disease conference, Amelia Island, FL.

Freier, K., **Babikian, T.**, Hopkins, G.L., McBride, D., Lang, D., Richardson, L., & DiClemente, R. (2002). HIV/AIDS risk factors and the role of knowledge in Caribbean youth. Presented at the annual American Public Health Association conference, Philadelphia, PA.

**Babikian, T.**, Hopkins, G.L., Freier, K., & DiClemente, R. (2002). HIV/AIDS and students in the Republic of Armenia: Application of a psychosocial risk behavior model. Presented at the annual International AIDS conference, Barcelona, Spain.

Freier, K., **Babikian, T.**, Hopkins, G., Lang, D., Richardson, L., & DiClemente, R. (2002). An assessment of HIV/AIDS risk and protective factors in Caribbean youth: Application of a psychosocial risk behavior model. Presented at the annual International AIDS conference, Barcelona, Spain.

Escoto, C., Freier, K., & **Babikian, T.** (2002). The effects of social support, coping style and explanatory style on stress in HIV-positive patients. Presented at the annual convention of the American Psychological Society, New Orleans, LA.

**Babikian, T.**, Boward, M., Hopkins, G.L., McBride, D., DiClemente, R., & Freier, K. (2001). Drug use in a conservative Midwestern college campus: Application of the Theory of Reasoned Action (TRA). Presented at the annual conference of the American Public Health Association, Atlanta, GA.

**Babikian, T.**, Hopkins, G.L., Freier, K., DiClemente, R.J., McBride, D. & Riggs, M. (2001). AIDS and youth in the Republic of Armenia: Application of a psychosocial risk behavior model. Presented at the Armenian Medical World Congress, Toronto, Canada.

**Derohanian, T.**, Sinaii, N., & Mehl, L. (1996). Differences in preschool aged children's self-concept among low income and middle/high income families. Presented at the Southern California Conference on Undergraduate Research (SCCUR), Occidental College, Los Angeles, CA.

## **OTHER SCHOLARLY ACTIVITY**

## **Thesis/Dissertation Reviewer**

The relation between parental and family functioning and post-concussive symptoms after pediatric mild traumatic brain injury by Leah Chadwick, Dissertation submitted to the University of Calgary, (2024).

Predicting post-concussive symptoms and behaviour outcomes in preschool mild TBI: A prospective study by Joy Noelle, Dissertation submitted to the University of Melbourne, (2023).

Music therapy in developmentally disabled children, doctoral dissertation by Mary Goodarzi, doctoral candidate, The Wright Institute, (2020).

Master's Thesis review for Tasha Kvelde, The methodological quality and clinical effectiveness of single case experiments (SCE's) in the appraisal of positive behaviour support for treatment of externalising behaviours after traumatic brain injury (TBI): a systematic review with meta-analytic intent. Charles Sturt University School of Psychology, (2018).

Dissertation committee member for John Guthrie, White matter integrity in pediatric closed head injury: The relationship between callosal area and interhemispheric transfer time. Fuller Theological Seminary, Graduate School of Psychology, (2014).

## **Committees**

Ad Hoc Review Committee, UCLA Dept. of Psychiatry and Biobehavioral Sciences	2020, 2022
Grants Committee, Special Emphasis Panel/Scientific Review Group (NIH)	2015
Grants Committee, National Academy of Neuropsychology (NAN)	2014-2016
Grant Review Committee, Special Emphasis Panel/Scientific Review Group (NIH)	2014
Grant Review Committee, Surgical Sciences, Biomedical Imaging and Bioengineering IRG (NIH)	2013
Grant Review Committee, National Center for Injury Prevention and Control (CDC)	2012

## **Manuscript and Grant Reviewing**

AIDS Care (2007)  
AIDS and Behavior (2007-2010, 2012)  
Archives of Clinical Neuropsychology (2023)  
Brain Imaging and Behavior (2023)  
Brain Injury (2025)  
Campbell Collaboration (2010)  
Cerebral Cortex (2011)  
Clinical Medicine Insights: Pediatrics (2010)  
Cognitive and Behavioral Neurology (2019) Cortex (2011-2012)  
Developmental Cognitive Neuroscience (2019)  
Developmental Neuropsychology (2016)  
Developmental Psychobiology (2018)  
Diagnostics (2024)  
European Journal of Neurology (2019)  
Experimental Brain Research (2008) Expert  
Review of Neurotherapeutics (2011)  
Frontiers in Genetics, section Behavioral and Psychiatric Genetics (2019)

Future Neurology (2012)  
 Health Psychology Report (2022)  
 Human Brain Mapping (2014, 2020)  
 Icelandic Center for Research (RANNIS) (2009)  
 International Journal of Environmental Research and Public Health (2022-2023)  
 JAMA Network Open (2024)  
 JAMA Neurology (2016)  
 Journal of Adolescent Health (2020)  
 Journal of Clinical Medicine (2021, 2023)  
 Journal of Developmental & Behavioral Pediatrics (2019)  
 Journal of the International Neuropsychological Society (2014-2015, 2018, 2020, 2022)  
 Journal of Neurology (2025)  
 Journal of Neurology, Neurosurgery & Psychiatry (2018)  
 Journal of Neurotrauma (2011, 2014-2018, 2020, 2022, 2024)  
 Journal of Pediatric Intensive Care (2020)  
 Journal of Pediatrics (2015, 2019)  
 Medical Sciences (2025)  
 Neurological Foundation (2020a, 2020b)  
 Neuroimage: Clinical (2018, 2022)  
 Neuropsychology (2016-2017, 2022, 2023)  
 Neurosurgery (2013-2015)  
 PAC-12 Student-Athlete Health and Well-Being Grant Program (2016)  
 Pediatric Neurology (2012)  
 Pediatrics (2010-2019, 2022, 2023)  
 PM&R: The Journal of Injury, Function and Rehabilitation (2020)  
 Preventive Medicine (2009)  
 Psychiatry Review: Neuroimaging (2008)  
 The Clinical Neuropsychologist (2020)  
 Thrasher Research Fund (2015)  
 Trends in Neurosciences (2016)  
 United States – Israel Binational Science Foundation (2018)

### **Grants Received**

Care4Kids – Biological Measures for Prognosing and Monitoring of Persistent Concussive Symptoms in Early and Middle Adolescents: Center Without Walls  
 NINDS – U54  
 PI: Giza, C., Gioia, G., & Rivara, F.  
 Role: Research Project Core Lead  
 2021-2026

Cognitive Rehabilitation  
 Randomized placebo-controlled study of an intervention to facilitate cognitive rehabilitation following moderate to severe brain injury in youth.  
 NICHD – R21  
 PI: RF Asarnow.  
 Role: Co-Investigator  
 2013-2015

Reconnection of Neural Networks and Cognitive Recovery after Pediatric TBI  
 RO1: 1 R01 HD061504-01A1  
 NIH/NICHD  
 Principal Investigator: RF Asarnow.  
 Role: Co-Investigator.  
 2010-2015

Rare Diseases Clinical Research Consortia (RDCRC) for the RDCR Network 2005-2021

Principal Investigator: Andrea Gropman, MD  
9U54HD061221-07  
NIH/National Center for Research Resources  
Role: Site Neuropsychologist

National Research Service Award (NRSA) 2006-2008

Individual Postdoctoral Fellowship (F32)  
National Institutes of Health: NINDS/NICHHD  
Role: PI

Department of Psychology, Loma Linda University, CA 2003

Seed Money award for faculty/student project, dissertation funding  
Role: PI, Under Supervision

Development Support for Armenia (DSA) 2000

Grant to study student HIV/AIDS risk behaviors in Armenia  
Role: PI, Under Supervision

### **Grants Submitted**

Treatment of Anxiety and Avoidance for Persistent Post Concussive Symptoms in Youth 2020  
Using Autonomic Training and CBT, One Mind 2020 Rising Star Research Awards, in  
Collaboration with Janssen Foundation, Role: PI.

Sport-Related Concussion: Big Data Approach to Predictors of Modifiers of Recovery 2019  
NIH/NINDS, R03 Grant, PI: C. Giza, Role: Co-PI

Risks and Sequelae of Concussions in Youth Soccer 2012  
Proposal submitted to Southern California Injury Prevention Center, UCLA Public Health  
Role: Co Principal Investigator with Christopher Giza, MD

Multimodal Neuroimaging in Pediatric TBI – NINDS K99/R00 Pathway to Independence Career  
Development Award. Submitted 2/2009  
Role: PI.

Modulating Neural Activation after Pediatric Traumatic Brain Injury – NINDS/NIH R01  
NS064115-01. Resubmitted 3/5/10, Principal Investigator: CC Giza.  
Role: Key Personnel.

### **LEADERSHIP ACTIVITIES AND COMMUNITY SERVICE**

Consulting neuropsychologist to local School Districts (Los Angeles, Burbank, 2023  
Glendale) providing seminars and webinars on concussions recovery/management,  
as well as the aftermath of war and conflict for District families

UCLA Neurosurgery and LAUSD Series on Neuroscience exposure to students 2023

Facilitator/Co-Facilitator of a monthly multidisciplinary support group for 2023-present  
parents and caregivers of children with a brain injury, Parents Helping Parents  
(PHP), a pilot series in partnership with PHP, TASK, and UCSF.

Consulting psychologist to various international clinicians and organizations on war related topics in Armenia, part of the UCLA Operation Armenia consulting team	2020-present
Lead psychologist, Armenian Autism Outreach Project, ParentConnect Support Group (monthly sessions)	2020
High school career day – introduction to neuropsychology (Los Angeles)	2019
High school science mentor (New York)	2018-2020
Consulting Neuropsychologist and Advisor, Comprehensive Autism Medical Assessment & Treatment Center of New Jersey, Think Tank	2013-present
Total Wellness Magazine Review Board	2012-present
Committee Member, NIH Sports Medicine mTBI Common Data Elements Working Group	2011-present
Member of the Board of Directors Vice President of Program/Research and Fundraising <i>Children's Music Fund</i> , a 501(c)(3) nonprofit organization that provides music therapy and musical instruments to chronically ill or hospitalized children ( <a href="http://www.TheCMF.org">www.TheCMF.org</a> ).	2008-2015
Consulting child neuropsychologist, volunteer Richard Tufenkian Preschool, Glendale, CA	2010-2013
Student Board Member Society of Pediatric Psychology, American Psychological Association, Division 54	2003-2005
Committee Member, Department Research Review Board Department of Psychology, Loma Linda University	2002-2003
Student Representative Department of Psychology, Loma Linda University	2001-2002
Committee Member Alcohol Prevention and Addiction Committee, Loma Linda University	2001- 2002