Curriculum Vitae Tara L. Moore, Ph.D. Associate Professor Department of Anatomy and Neurobiology Department of Neurology Boston University School of Medicine 700 Albany Street, W-701 Boston, Massachusetts, 02118 Updated Nov 9th, 2018

Academic Training

- 4/2000 Ph.D. Anatomy and Neurobiology, Boston University School of Medicine, Boston, MA.
- 5/1995 B.A. Psychology, University of Calgary, Calgary, AB, Canada.

Additional Training

5/2000-10/2003 Research Associate, Cognitive Neurobiology, Boston University School of Medicine, Boston, MA.

Current Academic Appointments

 2011-present Associate Professor, Department of Anatomy and Neurobiology, Boston University School of Medicine, Boston, MA.
2011-present Associate Professor, Department of Neurology, Boston University School of Medicine, Boston, MA.
2009-present Co-Director, Boston University Forensic Anthropology Research Facility, Boston, MA.
2008-present Director, MS Program in Forensic Anthropology, Boston University School of Medicine, Boston, MA.

Previous Academic Appointments

- 2013-2015 Adjunct Associate Professor, Centre for Forensic Science, The University of Western Australia, Crawley, West Australia.
- 2005-2008 Associate Director, MS Program in Biomedical Forensic Sciences, Boston University School of Medicine, Boston, MA.
- 2004-2011 Assistant Professor, Department of Neurology, Boston University School of Medicine, Boston, MA.
- 2003-2011 Assistant Professor, Department of Anatomy and Neurobiology, Boston University School of Medicine, Boston, MA.

Honors

2016 Educator of the Year, Graduate Medical Sciences, Doctoral Degree Programs, Boston University School of Medicine.

- 1999 American Psychological Association Division 40 Cognitive Neuroscience Award
- 1999 Henry I. Russek's Student Achievement Award, Boston University School of Medicine.

Departmental and University Committees

- 07/2017-present Institutional Animal Care and Use Committee, *Chair*, Boston University, Boston, MA.
- 11/2015-06/2017 Institutional Animal Care and Use Committee, *Chair*, Boston University School of Medicine, Boston, MA.
- 4/2015-present Animal Research Advisory Committee, *member*, Boston University School of Medicine, Boston, MA.
- 1/2015-11/2015 Institutional Animal Care and Use Committee, *Vice-Chair*, Boston University School of Medicine, Boston, MA.
- 9/2013-1/2016 Academic Policy Committee, *Member*, Division of Graduate Medical Sciences, Boston University School of Medicine, Boston, MA.
- 5/2016 Faculty Search Committee (Anatomical Sciences), *Chair*, Department of Anatomy and Neurobiology, Boston University School of Medicine, Boston, MA.
- 7/2010-1/2015 Institutional Animal Care and Use Committee, *Scientific Member*, Boston University School of Medicine, Boston, MA.
- 2009-2010 LCME Faculty Standards Subcommittee, *Member,* Boston University School of Medicine, Boston, MA.
- 5/2008 -present Graduate Student Committee, *Chair,* Program in Forensic Anthropology, Division of Graduate Medical Sciences, Boston University School of Medicine, Boston, MA.
- 5/2008 -present Admissions Committee, *Chair,* Program in Forensic Anthropology, Division of Graduate Medical Sciences, Boston University School of Medicine, Boston, MA.
- 9/2008-present Masters Programs Steering Committee, *Member,* Division of Graduate Medical Sciences, Boston University School of Medicine, Boston, MA.
- 2008-2011 MD/Ph.D Admissions Committee. *Interviewer*, Boston University School of Medicine, Boston, MA.
- 2004-2006 Committee of Biomedical Sciences Course Directors. *Member*, Boston University Goldman School of Dentistry, Boston, MA.
- 2005-2006 Academic Promotions Committee (1st Year Students). *Member*, Boston University Goldman School of Dentistry, Boston, MA.

2002-2005 Faculty Development Committee, *Member,* Department of Anatomy and Neurobiology, Boston University School of Medicine, Boston, MA.

Major Outside Committee Activities:

- March 2018 National Institutes of Health, Center for Scientific Review, *Invited Reviewer* for P51 Site Visit and National Primate Research Center review at Tulane National Primate Research Center.
- November 2017 National Institutes of Health, Center for Scientific Review, *Invited Reviewer* for P51 Site Visit and National Primate Research Center review at California National Primate Research Center

Study Sections:

National Institute of Health

- November 2018 National Institutes of Health, *Ad hoc Reviewer*, Special Emphasis Panel, Member Conflict: Integrative Neuroscience
- March 2018 National Institutes of Health, *Ad hoc Reviewer*, Special Emphasis Panel, Extracellular Vesicles and Substance Use Disorders

American Heart Association

- September 2018 Science Review Committee, Reviewer Bioengineering Clinical Committee (Fellowship Clinical 3) American Heart Association, Teleconference Review
- February 2018 Science Review Committee, Reviewer Bioengineering Clinical Committee American Heart Association, Teleconference Review
- April 2017 Science Review Committee, Reviewer Bioengineering Clinical Committee American Heart Association, Teleconference Review
- October 2016 Science Review Committee, Reviewer Bioengineering Clinical Committee American Heart Association, Teleconference Review
- April 2016 Science Review Committee, Reviewer Bioengineering Clinical Committee American Heart Association Headquarters, Dallas, TX
- April 2015 Science Review Committee, Reviewer Bioengineering Clinical Committee American Heart Association, Teleconference Review

International Grant Review Committees:

French National Research Agency (ANR)

April 2016 Integrated Neuroscience Program, *Ad hoc Reviewer*

Research Council of Canada

January 2016 Natural Sciences and Engineering Discovery Grants Program, Ad hoc Reviewer

Research Experience

My primary research focus is the assessment of the recovery of motor function and cortical reorganization in our non-human primate (NHP) model of cortical injury. This model involves training of NHPs on our tasks of fine motor function of the hand, neurosurgical lesion production, administration of post-operative therapeutic interventions, assessment of recovery of fine motor function and post-perfusion analysis of brain and spinal cord tissue. This model is used to establish the rate and degree of recovery of function following cortical injury and to investigate the neurobiological basis for the cortical reorganization underlying recovery. Further, we are assessing the efficacy of experimental therapeutic interventions for enhancing recovery of function and cortical re-organization observed after cortical injury.

Other research endeavors involve investigating age-related changes in cognitive processes and the effects of the nutraceuticals, such as Curcumin, on slowing or reversing these changes in cognition. A longitudinal study of long-term administration of curcumin to non-human primates is in progress and to date has demonstrated that monkeys that have received daily doses of curcumin have improved performance on tasks of spatial working memory and motor function. Assessment of repeated MRI scans and brain tissue for changes in white matter integrity, markers of inflammation, oxidative stress and immune function are in progress.

Finally, in conjunction with Pfizer, Inc, we have assessed the efficacy of various pharmaceutical compounds to slow or reverse age-related cognitive decline in NHPs.

Clinical Experience

2000-2011 Neuropsychological Test Administration (Certified Psychological Assistant), Department of Neurology, Boston University School of Medicine, Boston, MA

Major Administrative Responsibilities:

2015-present	Course Manager, Osteology and Anatomy for Forensic Anthropologists, Boston University School of Medicine
2008-2016	Course Manager, Neurobiology of Aging, Boston University School of Medicine
2010-present	Course Manager, Professional Skills and Thesis Research Development, Boston University School of Medicine
2009-present	Co-Director, Boston University Forensic Anthropology Research Facility, Boston, MA
2008-present	Director, MS Program in Forensic Anthropology, Division of Graduate Medical Sciences, Boston University School of Medicine, Boston MS
2006-2008	Associate Director, MS Program in Biomedical Forensic Sciences, Division of Graduate Medical Sciences, Boston University School of Medicine, Boston MS

Teaching Experience and Responsibilities

2017-present Foundations of Psychology, Course Director and Lecturer, Northeastern University, Boston, MA.

2015-present	Osteology and Anatomy for Forensic Anthropologists. Course Director and Lecturer. Program in Forensic Anthropology, Division of Graduate Medical Sciences, Boston University School of Medicine, Boston, MA.
2010-present	Professional Skills and Thesis Research Development. Course Director and Lecturer. Program in Forensic Anthropology, Division of Graduate Medical Sciences, Boston University School of Medicine, Boston, MA.
2009-2010	Neuroscience for Mental Health Providers. Director and Lecturer. Program in Mental Health and Behavioral Medicine, Division of Graduate Medical Sciences, Boston University School of Medicine, Boston, MA.
2008-2016	Neurobiology of Aging. Course Director and Lecturer. Department of Anatomy and Neurobiology, Boston University School of Medicine, Boston, MA.
2007-2015	Federal Bureau of Investigation Human Remains Recovery School, Guest Lecturer, University of Tennessee, Knoxville, TN.
2007-2013	Blood Stain Pattern Recognition, Guest Lecturer, Anatomy of Cardiovascular System. Biomedical Forensic Sciences Program, Boston University School of Medicine, Boston, MA.
2006-present	Methods in Neuroscience, Lecturer, Department of Anatomy and Neurobiology, Boston University School of Medicine, Boston, MA.
2007-2009	Neuroanatomy for Occupational Therapists, Guest Lecturer, Tufts University, Medford, MA.
2006-2009	Forensic Anthropology, Course Director. Biomedical Forensic Sciences Program, Boston University School of Medicine, Boston, MA.
2005-2006	Introduction to Biomedical Forensics, Co-Director, Division of Graduate Medical Sciences, Boston University School of Medicine, Boston, MA.
2003-2012	Neuroanatomy: Neurology Resident Board Review, Boston University School of Medicine, Boston, MA.
2005-2007	Sensation and Perception, Senior Lecturer, Northeastern University, Boston, MA.
2004-2006	Anatomical Review: Rehabilitation Medicine Board Review . Boston University School of Medicine, Boston, MA.
2003-2006	Psychology of Women, Lecturer, Northeastern University, Boston, MA.
2003-2006	Dental Anatomical Sciences, Course Director, Boston University Goldman School of Dentistry, Boston, MA.
2002	Dental Anatomical Sciences, Co-Director, Boston University Goldman School of Dentistry, Boston, MA.

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2000-2001	Introductory Psychology, Lecturer, Northeastern University, Boston, MA.
2000-2005	Neuropsychology Laboratory, Lecturer, Northeastern University, Boston, MA.
1999-2000	Dental Anatomical Sciences, Graduate Teaching Assistant Boston University Goldman School of Dentistry. Boston, MA.
1996-2000	Medical Gross Anatomy, Graduate Teaching Assistant, Boston University School

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Academic Program Development

of Medicine, Boston, MA.

2009	Forensic Anthropology Masters level graduate program in Forensic Anthropology Developed in conjunction with Murray K. Marks, Ph.D, D-ABFA and Debra A. Prince, Ph.D. D-ABFA.
2009	Citizen's CSI Academy 12-week program providing an overview and hands-on laboratory sessions in several fields within the forensic sciences. Developed in conjunction with William J. Powers, JD.
2007	Professional Studies in Applied Forensic Sciences and Criminal Investigation Continuing education program for Forensic Scientists, Law Enforcement and Attorneys. Developed in conjunction with William Powers, JD.
2006	Biomedical Forensic Sciences Masters level graduate program in Biomedical Forensic Sciences. Developed in conjunction with Robin Cotton, Ph.D.

Major Mentoring Activities

Doctoral Mentoring Activities:

2017-present Veronica Go, Candidate Department of Pharmacology, Boston University School of Medicine. Major Advisor & First Reader
2016-present Karen St. George, Candidate Department of Anatomy and Neurobiology, Boston University School of Medicine. Major Advisor & First Reader
2015-Present Ajay Uprety, Ph.D Candidate Department of Anatomy and Neurobiology, Boston University School of Medicine. Major Advisor & First Reader
2013-2017 Mary Orczykowski, Ph.D Candidate Department of Anatomy and Neurobiology, Boston University School of Medicine. Major Advisor & First Reader
2013-2017 Mary Orczykowski, Ph.D Candidate Department of Anatomy and Neurobiology, Boston University School of Medicine. Major Advisor & First Reader. Graduated July 2017. Current Position: Lecturer III in Anatomical Science, University of Michigan Medical School

Other Doctoral Committees

2006 Yu-Ming Chang, MD/PhD, Boston University School of Medicine, Boston, MA.

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Masters Mentoring Activities:

2017-present	Samantha Calderazzo, MS Anatomy and Neurobiology, Department of Anatomy and Neurobiology, Boston University School of Medicine, Boston, MA.
2017-2018	Megan Atkinson, Stormy Cassidy, Elizabeth Church, Shana Springman, Makala Udoni. MS Forensic Anthropology, Division of Graduate Medical Sciences, Boston University School of Medicine, Boston, MA.
2017-2018	Kalan Brehm, Sergio Calle, Alyssa Reinman. MS Forensic Anthropology, Division of Graduate Medical Sciences, Boston University School of Medicine, Boston, MA.
2016-2017	Kimberly Lombardi, Amanda Maki, Ashley Curtis, Christopher Eck, Jacqueline Berger, Nicollette Appel, MS Forensic Anthropology, Division of Graduate Medical Sciences, Boston University School of Medicine, Boston, MA.
2015-2016	Chaitali Korgaonkar, MA Medical Sciences, Division of Graduate Medical Sciences, Boston University School of Medicine, Boston, MA.
2015-2016	Sierra Santana, Nora Wells, MS Forensic Anthropology, Division of Graduate Medical Sciences, Boston University School of Medicine, Boston, MA.
2015-2016	Lauren Palitz MS Anatomy and Neurobiology, Department of Anatomy and Neurobiology, Boston University School of Medicine, Boston, MA.
2014-2015	Rachel Sussman, MS Forensic Anthropology, Division of Graduate Medical Sciences, Boston University School of Medicine, Boston, MA.
2013-2014	Kevin Arndt MS Anatomy and Neurobiology, Division of Graduate Medical Sciences, Boston University School of Medicine, Boston, MA.
2013-2014	Akhila Iyer, MS in Graduate Medical Sciences, Division of Graduate Medical Sciences, Boston University School of Medicine, Boston, MA.
2013-2014	Jonathan Bruce, Celena Toon, Carissa Fu, Saige Kelmelis, Steve Shapero, Greta Zindel, MS Forensic Anthropology, Division of Graduate Medical Sciences, Boston University School of Medicine, Boston, MA.
2012- 2013	Ashley Brennaman, Tracie Henson, Marcelle LaCroix, Annette Rodriguez, MS Forensic Anthropology, Division of Graduate Medical Sciences, Boston University School of Medicine, Boston, MA.
2010-2012	Peter Colleran, Richard Marx, Ann Fasano, Sandra Koch, MS Forensic Anthropology, Division of Graduate Medical Sciences, Boston University School of Medicine, Boston, MA.

2007-2009 Jennifer White, Katherine Kopeikina, Laura Mitchell, Ranee Ho, Mariko Fonseca, Ashley Tondu, Kulu'ua Rapoza, William Minnett, Mallory Littman, John Grassel, MS Biomedical Forensic Sciences, Division of Graduate Medical Sciences, Boston University School of Medicine, Boston, MA.

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2005-2007 Lia Welsch, James Yeh, Zachary Sager, Sushma Agam, MA in Anatomy and Neurobiology, Division of Graduate Medical Sciences, Boston University School of Medicine, Boston, MA.

Undergraduate Mentoring Activities:

2018	Margaret Covert, Boston University. Received Student Research Award, Undergraduate Research Opportunities Program.
2016	Madeline Brendle, Boston University. Received Student Research Award, Undergraduate Research Opportunities Program.
2014	Danny Mackenzie, Boston University. Received Student Research Award, Undergraduate Research Opportunities Program.
2012	Punam Patel, Boston University. Received Student Research Award, Undergraduate Research Opportunities Program.

Professional Societies: Memberships, Offices, and Committee Assignments

Society Memberships:

2017 – Present	Member, American Aging Association
2014 – Present	Member, American Heart Association (Stroke Council)
2006 - 2014	Member, International Association of Identification
1996 – Present	Member, Society for Neuroscience
1997 – 2007	Member, Massachusetts Neuropsychological Society
1997 – 2005	Member, Women in Neuroscience

Editorial Service (Invited Reviewer)

Neurobiology of Aging Behavioral Brain Research Developmental Psychobiology

Grant Funding

Current:

09/30/2018 - 08/31/2019	National Institute of Aging
	MPIs: Tara L. Moore and Maria Medalla
	NIH/NIA R56 AG059693
	The efficacy of curcumin to facilitate recovery of function in a rhesus monkey model of cortical injury.
	Total Direct Cost (One Year) \$480, 278

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	PI: Tara L. Moore NIH/NINDS R21-NS102991 Exosomes from bone marrow derived mesenchymal stem cells as a restorative treatment in a monkey model of cortical injury. Total Direct Costs (All Years) \$275,000.
Submitted:	
10/05/2018	National Institute of Aging MPI: Tara L. Moore , Maria Medalla and Benjamin Buller NIH/NINDS R01NS112207 Neural substrates of exosome-mediated enhancement of recovery after cortical injury in non-human primates. Total Direct Costs (All Years): \$2,374,614
10/05/2018	National Institute of Aging MPI: Tara L. Moore , Maria Medalla and Benjamin Buller NIH/NINDS R21AG064352 Sex differences in the temporal dynamics of molecular and cellular inflammatory biomarkers after cortical injury Total Direct Costs (All Years): \$275,000.
06/15/2018	National Institute of Aging MPI: Douglas L. Rosene and Tara L. Moore NIH/NINDS R21NS111174 Recovery of Motor Function Impaired by Cortical Injury: An Exploratory Comparison of the Influences of Four Different Post-injury Treatments on Processes Affecting Neuroplasticity Total Direct Costs (All Years): \$275,000.
06/15/2018	National Institute of Aging MPI: Tara L. Moore and William Tyler NIH/NINDS R21 AG063020-01 Circulating miRNA as biomarkers of recovery after stroke-related cortical injury. Total Direct Costs (All Years): \$275,000.
07/05/2018	National Institute of Aging MPI: Tara L. Moore and Mark B. Moss NIH/NIA R01AG043478-06A1 Neural mechanisms underlying cognitive enhancement by curcumin in normal aging monkeys. Total Direct Costs (All Years) \$2,400,962
Past:	
05/01/2016 - 04/30/2018	National Center for Complementary and Integrative Health PI: Nikos Makris Co-Investigator: Tara L. Moore NIH/AT R21-AT008865-01 Effects of Curcumin on Frontal Circuitry in Aging Monkeys Using MRI Connectome.

- 09/15/2014 09/14/2018 National Institute of Neurological Disease and Stroke MPI:Anthony Cagianno (Acorda, Inc) and Douglas Rosene (BUSM) **Co-Investigator: Tara L. Moore NIH/NINDS U01-NS076474** Translational Development of Glial Growth Factor 2 (GGF2) for the Treatment of Stroke. 08/01/2013 - 07/31/2018 National Institute of Aging PI: MB Moss **Co-Investigator: Tara L. Moore** NIH/NIA R01 AG043478 The Effect of Curcumin on Age-related Cognitive Decline in Rhesus Monkeys. 08/01/2016 - 03/31/2017 Industry Grant, Pfizer, Inc. PI: Tara L. Moore The Effects of M4 PAM on Cognition and Brain Functionality in the Rhesus Monkey. 11/01/2015-07/31/2016 Industry Grant, Pfizer, Inc. PI: Tara L. Moore
 - The Effects of a PDE-4 Inhibitor on Cognition and Brain Functionality in the Rhesus Monkey.
 - 01/14/2014-10/31/2015 Industry Grant, Pfizer, Inc. **Co-PIs: Tara L. Moore** and Ronald J. Killiany The Effects of a D1/5 Partial Agonist on Cognition and Brain Functionality in the Rhesus Monkey.
 - 9/01/2012- 8/31/2014 National Institute of Neurological Disease and Stroke NIH/NINDS R21NS081261 **PI: Tara Moore** Facilitating the Recovery of Function Following Stroke: The Efficacy of Inosine.
 - 3/2007-2/2012 National Institute of Aging PI: Douglas L. Rosene **Co-Investigator: Tara Moore** NIH-NIA Program Project AG00001-34 Neural Substrates of Cognitive Decline in Aging
 - 4/2011-3/2012 Industry Grant, Advanced Technologies and Regenerative Medicine, Johnson and Johnson **Co-PIs:** Douglas L. Rosene and **Tara Moore** Efficacy of CNTO0007 in a Non-Human Primate Model of Ischemic Stroke.
 - 8/2008-7/2010 National Institute of Aging PI: Tara Moore NIA-NICHD R21AG028680

Invited Lectures and Conference Presentations

9/2018	Exosomes as a restorative treatment in a monkey model of cortical injury. Center for Systems Neuroscience, Boston University.
4/2018	Curcumin Supplementation Improves Cognition and Motor Function in Middle- Aged Monkeys, Spring Brain Conference, Sedona, AZ. Invited Speaker and Session Coordinator.
9/2017	Non-Human Primate Model of Cortical Injury. Department of Anatomy and Neurobiology, Boston University School of Medicine.
4/2016	A Non-Human Primate Model of Cortical Injury: Treatment with Mesenchymal Derived Exosomes. Spring Brain Conference, Sedona, AZ. Invited Speaker and Session Coordinator.
12/2016	The Effect of Curcumin on Age-Related Cognitive Decline in the Rhesus Monkey. Department of Anatomy and Neurobiology, Boston University School of Medicine.
2/2010	Forensic Anthropology: Developing a Biological Profile and Human Remains Recovery. Advanced Crime Scene Investigation. Biomedical Forensic Sciences, Boston University School of Medicine, Boston, MA.
5/2009	Forensic Anthropology and Human Remains Recovery. Death Investigation Course, Program in Applied Forensic Sciences and Criminal Investigation. Boston University School of Medicine. Boston, MA.
1/2009	Aging and Age-Related Disease in the Non-Human Primate: Cognitive and Neurobiological Changes: Department of Neurobiology, Yale Medical School, New Haven, CT.
4/2008	Forensic Anthropology and Human Remains Recovery. Death Investigation Course, Program in Applied Forensic Sciences and Criminal Investigation. Boston University School of Medicine, Boston, MA.
2007-2012	Forensic Anthropology. Westport High School, Westport, MA.
5/2007	Biomedical Forensic Sciences at Boston University School of Medicine. Human Remains Recovery Course, Federal Bureau of Investigation. University of Tennessee, Knoxville, TN.
4/2006	Biomedical Forensic Sciences: A New Graduate Program at Boston University School of Medicine. Grand Rounds Seminar, Massachusetts Office of the Chief Medical Examiner, Boston, MA.
2/2006	Neurobiological Basis of Aging. Department of Education. Boston University, Boston, MA.

9/2005	Behavioral Testing in the Non-Human Primate. Laboratory Animal Science Center, Boston University School of Medicine, Boston, MA.
1/2004	Non-Human Primate Models of Neurological Disease: Ongoing Studies. Presented to the Neurological Disorders Division of Johnson and Johnson Pharmaceutical Research and Development Corporation, Raritan, NJ.
9/2003	Cognitive Assessment in Humans and Non-Human Primates. Northeastern University Undergraduate Neuroscience Group, Northeastern University, Boston, MA.
9/2003	Introduction to Anatomy. Mini-Medical School, Boston University School of Medicine, Boston, MA.
6/2002	Cognitive and Neurobiological Consequences of Hypertension. University of Alberta School of Medicine, Edmonton, AB, Canada.
4/2000	The Non-Human Primate Prefrontal Cortex: Cognitive and Neurobiological Consequences of Hypertension. Dissertation Defense, Boston University School of Medicine, Boston, MA.
5/1999	Executive System Dysfunction in the Aged Rhesus Monkey Using an Analog of the Wisconsin Card Sorting Task. Henry I. Russek's Student Achievement Day, Boston University of School of Medicine, Boston, MA.
4/1999	An Analog of the Wisconsin Card Sorting Test Reveals Executive System Dysfunction in a Non-Human Primate Model of Cerebrovascular Disease. American Psychological Association. Annual Meeting, Boston, MA.
11/1998	Executive System Dysfunction in the Aged Rhesus Monkey Using an Analog of the Wisconsin Card Sorting Task. Society for Neuroscience Annual Meeting, Los Angeles, CA.

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Bibliography

A full list of my publications can be found in My Bibliography at:

https://www.ncbi.nlm.nih.gov/sites/myncbi/18C-dDxd5ckv/bibliography/47974554/public/?sort=date&direction=ascending

Original, Peer Reviewed Articles - In Preparation or Under Review:

- 1. Moore, TL, Buller, B., Pessina, MA, Bowley, BGE, Calderazzo, SM, Zhang, ZG, Chopp, M, Finklestein, S, and Rosene, DL. Exosomes as a restorative treatment in a monkey model of cortical injury. Under Review, Stroke.
- Pessina, MA, Bowley, BGE, Moss, MB, Rosene, DL, and Moore, TL. Assessment of recovery of fine motor function of the hand in a rhesus monkey model of cortical injury: an adaptation of the Fugl-Meyer Scale and Eshkol-Wachman Movement Notation. Under Review, Journal of Neuroscience Methods.

3. Welke, LA, Moore, TL, Rosene, DL, Killiany, RJ and Moss, MB. Prefrontal and medial temporal interactions in memory functions in the rhesus monkey." Under Review, Hippocampus

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- 4. Orczykowski, ME, Calderazzo, SM, Shobin, E, Pessina, MA, Oblak, AL, Finklestein, SP, Kramer, BC, Mortazavi, F, Rosene, DL, and **Moore, TL**. Cell Based Therapy Following Cortical Injury Mediates Immunomodulation and Reduction of Secondary Damage. In Preparation.
- Orczykowski, ME, Uprety, AR, Eldridge, S, Pessina, MA, Oblak, AL, Finklestein, SP Brian C. Kramer, Mortazavi, F, Rosene, DL, and **Moore, TL**. Cell Based Therapy Following Cortical Injury Enhances Endogenous Neurorestoration Through Neurotrophic Factor Release. In Preparation.

Original, Peer Reviewed Articles

- Koo, BB, Kolli, A, Bowley, BGE, Rosene, DL, Moss, MB, Calderazzo, S, Moore, TL. (2018). Long-term Effects of Curcumin in the Non-human Primate Brain. Behavioral Brain Research, Jul 4;142:88-95. doi: 10.1016/j.brainresbull.2018.06.015. [Epub ahead of print]. PMID:29981358
- Orczykowski, ME, Arndt, KR, Palitz, LE, Kramer, BC, Pessina, MA, Oblak, AL, Finklestein, SP, Mortazavi, F, Rosene, DL, and **Moore, TL.** (2018). Cell Based Therapy Enhances Activation of Ventral Premotor Cortex To Improve Recovery Following Primary Motor Cortex Injury. Experimental Neurology, In Press. PMID: 29540323 DOI: 10.1016/j.expneurol.2018.03.010
- Moore TL, Bowley, BGE, Shultz, PL, Calderazzo, SM, Shobin, EJ, Uprety, AR, Rosene, DL and Moss, MB. (2018) Oral Curcumin Supplementation Improves Fine Motor Function in the Middleaged Rhesus Monkey. Somatosensory & Motor Research. PMID: 29447046 DOI:10.1080/08990220.2018.1432481
- Berger, J., J. T. Pokines, and T. L. Moore. (2018). Analysis of class characteristics of reciprocating saws. Journal of Forensic Sciences. Epub ahead of print. PMID: 29464701 DOI:10.1111/1556-4029.13759
- 5. Mella, M, Schweitzer, B, Mallet, C.R., **Moore, T.,** and Botch-Jones, S. (2017). Detection of cocaine and metabolites in bone following decomposition using 2D LC-MS-MS. Journal of Analytical Toxicology.
- Moore, TL, Bowley, B, Shultz, P, Calderazzo, S, Shobin, E., Killiany, RJ, Rosene, DL, and Moss, MB. (2017) Chronic Curcumin Treatment Improves Spatial Working Memory But Not Recognition Memory in Middle-aged Rhesus Monkeys, Geroscience. 39 (5), Dec, 2017, PMID:29047012, PMCID: PMC5745216, DOI: 10.1007/s11357-017-9998-2.
- Shobin, E, Bowley, MP, Estrada, LI, Heyworth, NC, Orczykowski, ME, Eldridge, SA, Clderazzo, S, Mortazavi, F, **Moore, TL,** Rosene, DL. (2017). Microglia activation and phagocytosis: relationship with aging and cognitive impairment in the rhesus monkey. Geroscience, 39:199-220. PMCID: PMC5411373 DOI: 10.1007/s11357-017-9965-y
- 8. Santana, S, Bethard, JD and **Moore TL.** (2017). Accuracy of dental age in non-adults: a comparison of two methods for age-estimation using radiographs of developing teeth. Journal of Forensic Sciences, 62 (5):1320-1325. DOI:10.1111/1556-4029.13434

 Pokines, J. T., R. Sussman, M. Gough, C. Ralston, E. McLeod, K. Brun, A. Kearns, and T. L. Moore (2017) Taphonomic analysis of Rodentia and Lagomorpha bone gnawing based upon incisor size. Journal of Forensic Sciences. 62(1):50-66. PMID: 27859293 DOI: 10.1111/1556-4029.13254.

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- Newcomb, A, Pokines, J, and Moore, TL. (2017) Taphonomic Effects of Mechanical Plowing on Buried Juvenile Remains, Journal of Forensic Sciences. 62(1):67-73. PMID: 27864968 DOI:10.1111/1556-4029.13259
- 11. Moore TL, Pessina MA, Finklestein SP, Killiany RJ, Bowley B, Benowitz L, Rosene DL. (2016). Inosine enhances recovery of grasp following cortical injury to the primary motor cortex of the rhesus monkey. Restor Neurol Neurosci. 34(5):827-48. PMID: 27497459
- 12. Ngwenya LB, Heyworth NC, Shwe Y, **Moore TL**, and Rosene DL (2015). Age-related changes in dentate gyrus cell numbers, neurogenesis, and associations with cognitive impairments in the rhesus monkey. Frontiers in Systems Neuroscience. 9: 102. DOI: 10.3389 /fnsys.2015.00102.
- 13. Moore, TL, Pessina, MA, Finklestein, SP, Kramer, BC, Killiany, RJ, and Rosene, DL. (2013). Recovery of Fine Motor Performance After Ischemic Damage to Motor Cortex is Facilitated by Cell Therapy in the Rhesus Monkey. Somatosensory Motor Research. 2013 Jun 12. PMID: 23758412
- 14. Moore TL, Schettler SP, Killiany RJ, Rosene DL, Moss MB. (2012) Impairment in delayed nonmatching to sample following lesions of dorsal prefrontal cortex. Behavioral Neuroscience. Dec; 126(6):772-80. doi: 10.1037/a0030493. Epub 2012 Oct 22. PMID: 23088539. PMCID: PMC3518867
- Moore, TL, Killiany, RJ, Pessina, MA, Moss, MB, Finklestein, SP, and Rosene, DL. (2012). Recovery from ischemia in the middle-aged brain: a non-human primate model. Neurobiology of Aging, Mar; 33(3):619.e9-619.e24. doi: 10.1016/j.neurobiolaging.2011.02.005. Epub 2011 Apr 1. PMID: 21458887. PMCID: PMC3145025
- Moore, TL, Killiany, RJ, Pessina, MA., Moss, MB and Rosene, DL. (2010) Assessment of Motor Function of the Hand in Aged Rhesus Monkeys. Somatosensory and Motor Research, 27 (3): 121-30. PMID:20653499
- Minett, WJ, Moore, TL., Juhascik, MM, Nields, HM., and Hull, MJ. (2010). Concentrations of Opiates and Psychotropic Agents in Polydrug Overdoses: A Surprising Correlation Between Morphine and Anti-Depressants. Journal of Forensic Science. Journal of Forensic Sciences 55 (5): 1319-1325. No PMCID located.
- Moore, TL, Schettler, SP, Killiany, RJ, Moss, MB, and Rosene, DL. (2009). Effects on Executive Function Following Damage to the Prefrontal Cortex in the Rhesus Monkey. Behavioral Neuroscience, 123 (2): 231-41. No PMCID located.
- Hynynen K, McDannold N, Clement G, Jolesz FA, Zadicario E, Killiany R, Moore T, Rosene D. (2006) Pre-clinical testing of a phased array ultrasound system for MRI-guided noninvasive surgery of the brain--a primate study. Eur J Radiol. 59(2):149-56.
- 20. Makris N, Papadimitriou GM, van der Kouwe A, Kennedy DN, Hodge SM, Dale AM, Benner T, Wald LL, Wu O, Tuch DS, Caviness VS, **Moore TL**, Killiany RJ, Moss MB, Rosene DL. (2006).

Frontal connections and cognitive changes in normal aging rhesus monkeys: A DTI study. Neurobiology of Aging;28 (10):1556-67.

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- 21. Moore, T.L., Killiany, R.J., Herndon, J.G., Rosene, D.L. and Moss, MB. (2006). Executive system dysfunction occurs as early as middle-age in the rhesus monkey. Neurobiology of Aging;27(10):1484-93.
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- 7. Orczykowski, ME, Rosene, DL, **Moore, TL.** (2016). Histological Assessment of Motor Recovery Following Cortical Injury and Cell Therapy. Henry I. Russek Student Achievement Day, Boston University, Boston, MA.
- 8. Buller, B., **Moore, T.L**., Zhang, Y., Pikula, E., Martin, C., Mortazavi, F., Rosene, D.L., Chopp, M. and Zhang, Z. (2016). Exosomes from Rhesus Monkey MSCs Promote Neuronal Growth and Myelination. International Stroke Conference, Los Angeles, CA.
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- 11. Koo, BB, Orczykowski, M, Arndt, K, Zajac L, Moore TL, and Killiany, RJ. (2015). Effect of Motor Cortex Lesions on Brain Connectivity in a Rhesus Monkey Model of Ischemia. International Society for Magnetic Resonance in Medicine, Toronto, ON, Canada.
- 12. Shobin, E., **Moore, T.L.** and Rosene, D.L. (2015). Phagocytic macrophages are associated with processes involved in age and cognitive decline. Society for Neuroscience, Chicago, IL.
- 13.Kelmelis, K, Bethard, JD, Moore, TL and Boldsen, J. (2015) Buried within the abbey walls: paleopathological examination of leprosy. 41st Annual North American Meeting of the Paleopathology Association, St. Louis, Missouri.
- 14. Arndt, K, Mortazavi, F, Rosene, DL and Moore, TL. (2014). Reorganization of the Motor Cortices Following Cell Therapy in a Non-Human Primate Model of Cortical Ischemia. Society for Neuroscience, Washington, DC.
- 15. Orczykowski, ME, McBurnie, M, Mortazavi, F, Rosene, DL and **Moore, TL.** (2014). Effect of a Cell Therapy on Neuropathology Following Ischemic Damage in Rhesus Monkey Motor Cortex. Society for Neuroscience, Washington, DC.

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- 22. Minett, WJ., **Moore, TL**., Nields, HM. and Hull, MJ. (2008) Concentrations of opiates and psychotropic agents in polydrug overdoses: a surprising correlation between morphine and antidepressants. United States and Canadian Academy of Pathology.
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Community Service:

2008 - present Mentor for Senior Research Projects for students at Holliston High School, Holliston, MA.

2007 - present Guest Lecturer, AP Anatomical Sciences at Westport High School, Westport, MA.