

CURRICULUM VITAE

(Updated February 21, 2018)

DOUGLAS L. ROSENE,
Professor of Anatomy and Neurobiology
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Boston University Profile: <http://profiles.bu.edu/display/151185>

Academic Training:

1968-1975 Ph.D. University of Rochester, Rochester, NY; Psychology and Neurobiology

1964-1968 A.B. Stanford University, Stanford, CA; Psychology

Additional Training:

1974-1978 Postdoc in Neuroanatomy, Drs. DN Pandya and GW VanHoesen, Harvard Medical School, Boston, MA

Academic Appointments:

2014-present Professor of Undergraduate Program in Neuroscience, Boston University College of Arts and Science

2005-present Professor of Anatomy and Neurobiology, Boston University School of Medicine

1985-2005 Associate Professor of Anatomy and Neurobiology, Boston University School of Medicine

1983-present Collaborative Scientist, Division of Neurobiology, Yerkes Regional Primate Research Center, Emory University, Atlanta, GA

1978-1985 Assistant Professor of Anatomy, Boston University School of Medicine

1974-1978 Research Associate in Neurology, Boston University School of Medicine, Boston, Massachusetts.

1974-1978 Lecturer, Department of Neurology, Harvard Medical School, Boston, MA

Honors:

2017 Elected Fellow of the American Aging Association

1987-1988 Thomas Robitscher Faculty Award for Excellence in Preclinical Science Teaching, Boston University School of Medicine, Boston, MA

1992-1993 Dr. Stanley L. Robbins Award for Excellence in Teaching, Boston University School of Medicine, Boston, MA

Departmental and University Committees:

2016-2017 Member, Dean's Committee on Medical Basic Science Organization - Boston University

2016-2017 Co-Chair, Presidents Committee on Basic Life Sciences - Boston University

2016-present Member, Institutional Animal Care & Use Committee, Boston University Medical Campus

2014-present Member, Core Advisory Committee, Boston University Medical Campus
2012 March Ad hoc Committee of Inquiry (Scientific Misconduct)
2010-2014 Co-Chair, Core Advisory Committee, Boston University Medical Campu
2009-present Chair, Appointment & Promotions Committee, Department of Anatomy & Neurobiology
2009-present Member, Graduate Education Committee, Department of Anatomy & Neurobiology
2008-2012 Chair, Faculty Senate of the Graduate Divison of Medical Sciences, Boston University
Medical Campus
2008-2012 Member, Animal Users Advisory Committee, Boston University Medical Campus
2008-2009 Member Search Committee for Director of the Laboratory Animal Sciences Center, Boston
University Medical Campus
2008-2010 Co-Chair Research Subcommittee and Member Task Force on Information Technology
Resources, Boston University Medical Campus
2008-2009 Graduate Medical Sciences MD-PhD Executive Committee - Chair, Subcommittee on
Fully Funding MD-PhD Tuition - Boston University School of Medicine
2005-2010 Core Implementation and Oversight Committee, Boston University Medical Campus,
2005-2006 Member, Ad Hoc Advisory Committee on Expansion of Animal Science Center Space,
Boston University Medical Campus
2004-2005 Member, Ad Hoc Advisory Committee on Animal Science Center Space Allocation -
Boston University Medical Campus
2004-2008 Member, Preclinical Sciences Curriculum Committee - Boston University School of
Medicine
2004-2007 Member, Committee on Appointments & Promotions, Dept of Anatomy & Neurobiology
2003-2007 Member, Committee on Promotions, First Year MD Program, Boston University School
of Medicine
2003-present Advisor-At-Large in the Academy of Advisors, Boston University School of Medicine
2003-2004 Member, Ad hoc Faculty Committee on Pathways for Graduate Studies, Dept of Anatomy
& Neurobiology
2002, Dec Ad hoc Committee of Inquiry (Scientific Misconduct)
2001-2003 Chair, Faculty Development Committee, Dept of Anatomy & Neurobiology
1999-2007 Information Technology Advisory Committee, BUSM
1994-1995 Self-Study Task Force on Basic Science Departments, Boston University School of
Medicine
1998 Faculty Search Committee, Department of Anatomy and Neurobiology, Boston University
School of Medicine
1996-present MD-PhD Executive Committee, Boston University School of Medicine
1996-1998 Stanley Robins Teaching Award Selection Committee, Boston University School of
Medicine
1996-1999 Medical School Graduation Honors Selection Committee, Boston University School of
Medicine
1995-1996 BUSM-2000 Information Technology Task Force, Boston University School of Medicine
1994 Task Force on Academic Computing Support and Resources at Boston University School
of Medicine
1993 Committee for the re-evaluation of promotion guidelines for First Year MD Promotions

- 1992 Committee on Interdisciplinary programs of the Graduate Division of Medical and Dental Sciences
- 1991-1994 Committee on Computers in Medical Education, Boston University School of Medicine
- 1989-2007 Institutional Animal Care and Use Committee, Boston University Medical Campus
- 1989-1994 First Year Medical School Promotions Committee, Boston University School of Medicine
- 1989-1999 MD-Ph.D. Admissions Committee of the Graduate Division of Medical and Dental Sciences
- 1984-1988 Admissions Committee of the Graduate Division of Medical and Dental Sciences

Teaching Experience and Responsibilities:

- 2015 - Present Course Manager, Neurobiology of Learning and Memory, Boston University School of Medicine
- 2005 - Present Course Manager, Systems Neurobiology, Boston University School of Medicine
- 2003 - 2008 Course Manager, Medical Neurosciences, Boston University School of Medicine
- 2000 - 2003 Co-Course Manager, Experimental Design & Statistics, Boston University School of Medicine
- 1992 - 2010 Co- Course Manager, Neurobiology of Aging, Boston University School of Medicine
- 1991 - 2015 Co-Course Manager, Neurobiology of Learning and Memory, Boston University School of Medicine
- 1989-1994 Course Manager, Medical Neurosciences, Boston University School of Medicine.
- 1986-1988 Course Manager, Dental Neuroanatomy, Boston University School of Medicine
- 1985 - Present Lecturer, Neuroscience Survey, Boston University School of Medicine
- 1983-1990 Co-Course Manager, Quantitative Methods in Biological Investigations, Boston University School of Medicine
- 1981-1991 Course Manager, Advanced Neuroanatomy, Boston University School of Medicine
- 1978-2004 Faculty, Medical Microscopic Anatomy, Boston University School of Medicine
- 1978 - Present Faculty, Medical Neurosciences, Boston University School of Medicine
- 1976-1978 Instructor, Introduction to the Nervous System, Harvard University Medical School
- 1973 Instructor, Physiological Psychology, University of Rochester, College of Arts and Sciences
- 1972-1974 Instructor, Neural Sciences, University of Rochester Medical School
- 1972 Instructor, Statistical Methods, University of Rochester, College of Arts and Sciences

Major Graduate Mentoring Activities:

- 2017 Roman Loonis, Co-Advisor & First Reader
- 2015 Nadine Heyworth, PhD, Major Advisor & First Reader
- 2015 Larissa I Estrada, PhD, Major Advisor & First Reader
- 2014 Ana Claudio Amaral, PhD, Major Advisor & First Reader
- 2013 Amy A. Robinson, PhD, Major Advisor & First Reader
- 2013 Jon Rueckemann, PhD, Co-Advisor & First Reader

2010	Lela Giannaris, PhD, Major Advisor & First Reader
2009	Michael Bowley, MD, PhD, Major Advisor & First Reader
2009	Debra Roberts, MD, PhD, Major Advisor & First Reader
2007	Laura Ngwenya, MD, PhD, Major Advisor & First Reader
2007	James Lister, PhD, Major Advisor & First Reader
2006	Laura Welke, PhD, Co-Advisor & Second Reader
2005	John Pugh, MD, PhD, Major Advisor & First Reader
2003	Jonathan Wisco, PhD, Major Advisor & First Reader
2003	Anthony Schwagerl, PhD, Major Advisor & First Reader
2002	Todd Fiacco, PhD, Co-Advisor & Second Reader
2002	Tara Moore, PhD, Co-Advisor & Second Reader
2000	Chuang-kuo Wu, MD, PhD, Co-Advisor & First Reader
1998	Timothy Nicholson, MD, PhD, Major Advisor & First Reader
1997	Bradford Fenton, MD, PhD, Major Advisor & First Reader
1994	Lori Beason, PhD, Co-Advisor & Second Reader
1992	Kenneth Rhodes, PhD, Major Advisor & First Reader
1991	Kinan Hreib, PhD, Major Advisor & First Reader

Current Graduate Mentoring Activities:

Eli Townsend-Shobin (PhD Student) – Major Advisor & First Reader
Sherri Eldridge (PhD Student - UMass Dartmouth) - Major Advisor
Katelyn Trecartin (MD-PhD Student) - Major Advisor & First Reader
Veronica Go (PhD Student) - Co-Advisor & First Reader

Post-Doctoral Fellows & Research Associates Mentored

Mark B. Moss, Ph.D. (1979 – 1981)
Keith Kosel, Ph.D. (1981 - 1983)
Richard C. Saunders, Ph.D. (1984 – 1986)
Gene J. Blatt, Ph.D. (1987 - 1990)
Paul Vaheer, Ph.D. (1990 - 1991)
Cheryl Chancellor-Freeland, Ph.D. (1993-1995)
Dawn Cisewski, Psy.D. (1998 -1999)
Joseph Marcus, Ph.D. (2003 – 2007)
Daniel Roe, Ph.D. (2006 – 2010)
Adrian Oblak, Ph.D. (2010 – 2012)
Farzad Mortazavi, Ph.D. (2010 – 2013)

Major Undergraduate Research Mentoring Activities

Rebecca Roberts - Boston University
Madeline Brendle - Boston University
Alexandra Willcox - University of Cardiff, Cardiff, Wales, United Kingdom

Simrat Dahliwal - Boston Univeristy
Danny McKenzie - Boston Univeristy
Samantha Calderazzo - Boston Univeristy
Alana Carmichael - Boston Univeristy
Tara Kenworthy - Boston Univeristy
Dalia De Ita - National Autonomous University of Mexico, Querétaro, Mexico
Kathryn Post - Boston Univeristy
Caitlin Devitt - Boston Univeristy
Macayla Donegan - Boston Univeristy

Other Ph.D. Dissertation Committees (Partial List)

Brent L. Vogt, Ph.D.
Jennifer Luebke, Ph.D.
Nikos Makris, M.D.-Ph.D. - Second Reader
Madhumali Sarkar, Ph.D. - Second Reader (Dept of Pharmacology)
Karen Lindem, Ph.D.
Zaeem Siddiqi, Ph.D.
Stephen Dombrowski, Ph.D. (BU Sargent College)
Edward Lee, Ph.D.
Raymond King, Ph.D.
Joseph Marcus, Ph.D. (Dept. of Anthropology, Harvard University)
Danqing Xiao, Ph.D. (BU Sargent College)
Natalie Zahr, Ph.D.
Elizabeth Whitney, Ph.D.
Elizabeth Jonak, Ph.D.
Rahul Desikans, M.D.-Ph.D.
Adrian Oblak, Ph.D.
Sarah Greene, Ph.D.
Linda Affifi, Ph.D.
Patrick Scott, Ph.D.
Veronica Akle, Ph.D. Second Reader
Kathy Kopeikina, Ph.D.
Corinna Bauer, Ph.D.
Johanna Crimmins, Ph.D.
Joe Amatrudo, Ph.D.
Amelie Lanoue, Ph.D.
Joseph Goodlife, Ph.D.
2016 Joao Richardo Santos, Ph.D.

Major Administrative Responsibilities:

2015-present	Member Department Executive Committee
2015-present	Course Manager, Neurobiology of Learning and Memory
2005-present	Course Manager, Systems Neurobiology, Boston University School of Medicine
2003-2008	Course Manager, Medical Neurosciences, Boston University School of Medicine

2000-2003	Co-Course Manager, Experimental Design & Statistics, Boston University School of Medicine
1992-present	Co-Director, Laboratory for Cognitive Neurobiology, Boston University School of Medicine
1992-2010	Co-Course Manager, Neurobiology of Aging, Boston University School of Medicine
1991-present	Co-Course Manager, Neurobiology of learning and Memory, Boston University School of Medicine
1989-1994	Course Manager, Medical Neurosciences, Boston University School of Medicine
1986-1988	Course Manager, dental Neuroanatomy, Boston University School of Medicine

OTHER PROFESSIONAL ACTIVITIES

Professional Societies: Memberships, Offices, and Committee Assignments:

Elected Offices:

2017-present	Elected Treasurer and Member of the Executive Committee of the American Aging Association
2016-2017	Elected Assistant Treasurer and Member of the Executive Committee of the American Aging Association
2016-present	Appointed Advisor to the Board of Directors of the Federation of Societies for Experimental Biology (FASEB)
2014-2020	Elected President-Elect of the Histochemical Society (successive 2yr terms as President-Elect, President & Past President)
2013-2019	Elected as a Scientific Member to the Council of American Aging Association
2013-2016	Representative of Histochemical Society on the Science Policy Committee of the Federation of American Societies for Experimental Biology (FASEB)
2010-2014	Elected to a four year term on the Council of the Histochemical Society

Society Memberships:

American Aging Association
American Association of Anatomists
American Association for the Advancement of Science
Boston Society for Neurology and Psychiatry
Cajal Club
Histochemical Society
Sigma Xi, Scientific Research Society of North America.
Society for Neuroscience
Spring Brain Conference

Editorial Board Appointments:

2011-present	Associate Editor, AGE – The Journal of the American Aging Association
1989-present	Associate Editor, Journal of Histochemistry and Cytochemistry

Editorial Service (Invited Reviewer):

Anatomical Record
Behavioral Brain Research
Brain Research
Cerebral Cortex
Cognitive Brain Research
European Journal of Pharmacology
European Journal of Neuroscience
Experimental Brain Research
Experimental Gerontology
Hippocampus
Journal of Comparative Neurology
Journal of Chemical Neuroanatomy
Journal of Histochemistry and Cytochemistry
Journal of Neurochemistry
Journal of Neuroendocrinology
Journal of Neurophysiology
Journal of Neuroscience
Neurobiology of Aging
Neuroscience Letters
Neuroscience
Nutritional Neuroscience

MAJOR OUTSIDE COMMITTEE ACTIVITIES

NIH CSR Study Section Service:

6/2006 - 5/2009 National Institute of Health, Center for Scientific Review, Aging Systems and Geriatrics (ASG) Study Section Meeting. Permanent Chartered Member, Bethesda MD, June, 2006 through May 2010.

Other Scientific Panels:

2018 National Institute on Aging, Chair, Special Emphasis Panel ZAG1 ZIJ-3 (O1) for review of Program Project “Estrogen, the Aging Brain, and Alzheimer's Disease” Teleconference, May 14, 2018.

2018 National Institute on Aging, Member, Special Emphasis Panel ZAG1 ZIJ-5(M1), for Re-Review of U19 “Womb to Tomb: Developmental Programming and Aging Interactions in Primates,” Teleconference, January 17, 2018.

2017 The Center for Functional Neuroimaging Technologies at the Athinoula A. Martinos Center for Biomedical Imaging, Massachusetts General Hospital, Harvard Medical School, Boston MA, P41 Advisory Board Committee Meeting 18, 2017

2017 National Institute on Aging, Member, Special Emphasis Panel, for Review of U19 “Womb to Tomb: Developmental Programming and Aging Interactions in Primates,” Teleconference, May 02, 2017.

- 2017 National Institute on Aging, Member, Special Emphasis Panel, for Second Stage P01 Review, Teleconference, Mar 15, 2017.
- 2016 National Institute on Aging, Member, Special Emphasis Panel, 2017/01 ZAG1 ZIJ-7 (J1) for Second Stage P01 Review, Bethesda, MD, Nov 21, 2016.
- 2016 National Institutes of Health, Office of the Director, Panel Member, “Workshop on Ensuring the Continued Responsible Oversight of Research with Non-Human Primates” NIH Campus, September 7, 2016.
- 2016 National Institutes of Health, Center for Scientific Review, ZRG1 MDCN-M (59) NS16-021: “Mechanistic Basis of Diffuse White Matter Disease in VCID”, VideoConference Reviewer, July 19, 2016.
- 2016 National Institute on Aging, Chair, Special Emphasis Panel (SEP) ZAG 1ZIJ-3 (O2) Review for Program Project Grant, “Estrogen, the Aging Brain, and Alzheimer's Disease” May 23 and Aug 04, 2016.
- 2015 National Institutes of Health, Center for Scientific Review, Special Emphasis Panel (SEP) ZRG1 BBBP-T (02) M for the BRLE Study Section, December 14, 2015.
- 2015 National Institutes of Health, Center for Scientific Review, Special Emphasis Panel (SEP) ZRG1 BBBP-J 48 P, Site Visit and Review of Southwest National Primate REsearch Center, San Antonio Texas, Sept 16 - 18, 2015.
- 2015 National Institutes of Health, Center for Scientific Review, Special Emphasis Panel (SEP) ZRG1 BBBP-T (02) M for the BRLE Study Section, July 27, 2015.
- 2015 National Science Foundation, Physics of Living Systems, Major Research Instrumentation Review Panel (mail reviewer), May 15, 2015.
- 2013 Canada Foundation for Innovation, Expert Committee Review: “The Translation Stroke Research Program at Queens University”, August 8, 2013.
- 2013 The National Science Foundation & The Kavli Foundation Workshop: “Physical and Mathematical Principles of Brain Structure and Function” An advisory meeting for the White Brain Initiative, Arlington Virginia, May 5 – 7, 2013.
- 2013 National Institute on Aging, Special Emphasis Contract Review Committee, Review: “Development and Maintenance of an Aged Non-Human Primate Tissue Bank”, April 8, 2013.
- 2012 National Institutes of Health, Office of the Director, Special Emphasis Panel Review: “Wisconsin National Primate Research Center, Base Grant Renewal”, Bethesda, MD, July 11, 2011
- 2011 Harvard Medical School and MGH “The Human Connectome Project” Scientific Advisory Board Meeting, December 30-31, 2011.
- 2011 National Institute on Aging, Special Emphasis Program Project Review Committee, Re-Review: “Dietary Restriction and Aging in Rhesus Monkeys”, June 2011.
- 2010 National Institute on Aging, Special Emphasis Program Project Review Committee, Review: “Dietary Restriction and Aging in Rhesus Monkeys”, July 2010.
- 2010 National Institute on Aging, Chair, Special Emphasis Review Committee, Program Project Re-review, “Estrogen and the Aging Brain” April 2010.
- 2009 National Institute on Aging, Chair, Special Emphasis Review Committee, Program Project Review, “Estrogen and the Aging Brain” December 2009.

- 2009 National Institute on Aging, Special Emphasis Panel for RC2 Grand Opportunity Applications. August 19, 2009.
- 2009 National Institute of Health, Center for Scientific Review, Brain Disorders and Clinical Neuroscience Review Group (BDCN-L96S) Special Emphasis Panel for Competitive Supplements. June 22, 2009.
- 2009 Alzheimer's Disease Association – Grant Reviewer, May 2009.
- 2010 National Institute of Health, Center for Scientific Review, Aging Systems and Geriatrics (ASG) Study Section Meeting. Permanent Chartered Member , Bethesda MD, June, 2006 - May 2010.
- 2006 National Institute of Health, Center for Scientific Review, Clinical Neuroscience and Disease (CND) Study Section Meeting. Ad hoc member , Bethesda MD October 05 & 06, 2006.
- 2006 National Institute of Health, Center for Scientific Review, Aging Systems and Geriatrics (ASG) Study Section Meeting. Ad hoc member , Bethesda MD February 23 & 24, 2006.
- 2005 National Institute on Aging, Special Emphasis Program Project Review Committee, Review of: “CNS and Cerebrovascular Aging” December 12, 2005.
- 2005 National Institute on Aging, Special Emphasis Review Committee, Review: “Dietary Restriction and Aging in Rhesus Monkeys” Wisconsin National Primate Research Center, University of Wisconsin, Madison Wisconsin, May 2005.
- 2004 National Institute on Aging, Special Emphasis Review Committee, Review: “Estrogen and the Aging Brain” June, 2004.
- 2004 National Institute on Aging, Special Emphasis Review Committee, Review: “Dietary Restriction and Aging in Rhesus Monkeys” Phone Review: May 2004.
- 2004 National Institute of Mental Health, Special Emphasis Review Committee, Review of “Conte Centers for Anxiety and Mood Disorders” Bethesda, MD, March 2004.
- 2003 Nathan Shock Center for Excellence in the Basic Biology of Aging at the University of Washington. Pilot Grant Reviewer, June 2003.
- 2003 National Institute on Aging, Special Emphasis Review Committee, Program Project Site Visit and Review: “Dietary Restriction and Aging in Rhesus Monkeys” Wisconsin National Primate Research Center, University of Wisconsin, Madison Wisconsin November 2003.
- 2003 National Institute on Aging, Chair, Special Emphasis Review Committee, Program Project Reverse Site Visit, “Estrogen and the Aging Brain” December 2003, Bethesda, MD.
- 2003 National Institute of Aging, Special Emphasis Review Committee, “Review of Proposals for Establishing a Non-human Primate Tissue Bank”, May 2003.
- 2000 National Institute of Aging and National Center for Research Resources Workshop: “Aged Non-human Primate Resources: Planning for the Future” January 18-19, 2000, Bethesda, Maryland.
- 1999 Center for Scientific Review, Special Emphasis Panel, “Cingulate Cortex in the Human Brain” (ad hoc reviewer) August, 1999.
- 1998-2005 Alzheimer's Association Research Grants, (ad hoc reviewer,) 1998, 1999, 2001, 2005
- 1998 National Institute on Aging, Special Emphasis Review Committees, (Dec 1998)

- 1998 National Institute on Aging Workshop: “Age-related Neurobehavioral Research: An Integrative Cognitive Neuroscience Agenda for the 21st Century”, June 3 - 5, 1998, Bethesda, Maryland.
- 1998 National Institute of Health, Scientific Review Branch, Special Emphasis Review Committee, (ad hoc reviewer) Sept 1998.
- 1998 National Institute for Aging, Special Emphasis Panel for Pilot Studies, (ad hoc reviewer) May 1998.
- 1998 National Institute on Aging, Special Emphasis Review Committee, (July 1998)
- 1998 National Institute on Aging Program Project Site Visit, Mt. Sinai Hospital Medical Center, (Chair) March, 1998.
- 1997 Veteran’s Administration Merit Review Grants, ad hoc reviewer, (1997 - present)
- 1996-1998 Program Committee - Spring Brain Conference (1996 - 1998)
- 1994 National Institute for Child Health and Human Development, Special Review Committee for RFA “Developmental Disabilities Prevention Research Center” August, 1994.
- 1994 University of Health Sciences Antigua School of Medicine, Computerized Learning Resource Center Advisory Committee, 1994.
- 1994 Boston University Alzheimer’s Disease Center Core – Internal Review Committee (1994 – 1997)
- 1991 National Institute on Aging, Alzheimer’s Disease Center Core Grant Pilot Project Reviews (ad hoc reviewer) 1991.
- 1991 National Institute of Mental Health Schizophrenia Site Visit Review Committee, Yale University, New Haven, Connecticut. 1991.
- 1990 National Institute on Aging, Alzheimer's Disease Research Center Review Committee (ad hoc reviewer) February 1990.
- 1989 National Institute on Aging Program Project Site Visit, Burke Rehabilitation Center, White Plains, NY (ad hoc reviewer, 1989)

Private Foundations, Civic and Cultural Organizataions:

- 2014-present Permanent Funds Committee, Universalist Unitarian Church of Haverhill (2004 - 2012)
- 2013-present Chair, Building and Grounds Committee, Universalist Unitarian Church of Haverhill (2002 -Present)
- 2010 Bylaws Revision Committee, Chair, Universalist Unitarian Church of Haverhill (2010)
- 2008-2012 Personnel Committee, Universalist Unitarian Church of Haverhill (2008 - 2012)
- 2004-2012 Permanent Funds Committee, Universalist Unitarian Church of Haverhill (2004 - 2012)
- 2002-2013 Member, Building and Grounds Committee, Universalist Unitarian Church of Haverhill (2002 -Present)
- 2001-2004 Clerk, Universalist Unitarian Church of Haverhill (2001-2004)
- 2001-2002 U16 Boys Group Director, Georgetown Athletic Association (2001-2002)
- 1999-2004 Capital Campaign Committee, Universalist Unitarian Church of Haverhill (1999 - 2004) (Co-chair).

- 1999-2001 Head Soccer Coach, Boys U14, Georgetown Athletic Association (1999 - 2001)
- 1997-1999 Board of Trustees of the Universalist-Unitarian Church of Haverhill (1997 - 1999) (Chairman)
- 1996 Parent Representative, Curriculum Evaluation Committee for 10 Year Reaccreditation, Georgetown Middle-Senior High School, Georgetown, MA (1996)
- 1996-1997 Ministerial Search Committee of the Universalist-Unitarian Church of Haverhill (1996 - 1997)
- 1994-1999 Assistant Soccer Coach, Georgetown Athletic Association (1994 - 1999)
- 1994-2004 Finance Committee of the Universalist-Unitarian Church of Haverhill (1992 - 2004) (Chairman, 1994 - 2004)
- 1993-1994 Board of Trustees of the Universalist-Unitarian Church of Haverhill (1990 - 1994) (Vice-chairman, 1993 - 1994)

OTHER SUPPORT

Current:

- 8/1/15-7/31/20 PHY1505000 National Science Foundation Physics of Living Systems; “Collaborative Research: Unraveling cerebral connectivity with diffusion MRI, microscopy and statistical physics.” MPIs: DL Rosene, HE Stanley, VJ Wedeen; Total Direct Costs (BU, All Years): \$747,890
- 9/2013-8/2018 R01 AG042512 National Institute of Aging; Neural Substrates of Diffusion Imaging in Cognitively Aging Rhesus Monkeys” MPIs: M. Kubicki, N. Markis, DL Rosene; Total Direct Costs (All Years) \$300,449.
- 8/2013-7/2018 R01 AG043478 National Institute of Aging “The effect of curcumin on age-related cognitive decline in the rhesus monkey” PI: Mark B. Moss, Co-I: Douglas L. Rosene, Total Direct Costs (All Years) \$1,757,320
- 8/2013-4/2018 R01 AG043640 National Institute of Aging; “Histopathology, Neuroimaging, and Mechanism of Myelin Damage in Aging Monkey Brain”; PI: Douglas L. Rosene; Total Direct Costs (All Years): \$1,863,564
- 9/2014-9/2018 U01 NS076474 National Institute of Neurological Disease & Stroke; “Translational Development of Glial Growth Factor-2 (GGF2) for the Treatment of Stroke”; MPI: AO Cagianno (Acorda Inc), DL Rosene; Total Direct Costs (All Years) \$1,399,057
- 5/2016-4/2018 R21-AT008865-01 National Center for Complementary and Integrative Health: “Effects of Curcumin on Frontal Circuitry in Aging Monkeys Using MRI Connectome”PI: Nikos Makris (MGH), Co-I and Subcontract PI: Douglas L Rosene; Total Direct Costs (All Years) \$275,000.

Past:

- 9/2013-8/2015 U01 MH093765; National Institute of Mental Health; “The Human Connectome Project”; MPIs: B Rosene & VJ Wedeen; PI BU Subcontract: DL Rosene
- 9/2012-8/2014 R21 NS081261; National Institute for Neurological Disease and Stroke “Facilitating The Recovery Of Function Following Stroke: The Efficacy Of Inosine”; PI: TL Moore, Co-I: DL Rosene,

- 6/2010-5/2014 R01 MH064044; National Institute of Mental Health; “MRI of Complex White Matter and Connectivity” MPIs: JD Schmahmann & VJ Wedeen; PI BU Subcontract DL Rosene
- 5/2008-4/2014 R01 AG021133; National Institute of Aging; “Spatial Analysis of Cerebral Cortex in Aging Monkeys”; MPIs: HE Stanley, LC Cruz, DL Rosene,
- 12/2010-11/2012 Efficacy of CNTO-0007 in a Non-Human Primate MPIs: Douglas L. Rosene & T. L. Moore, Advanced Therapeutics and Regenerative Medicine Division of Johnson & Johnson
- 8/2009-9/2013 PHY-0855453; National Science Foundation - Physics of Living Systems; “Unraveling the Structure of Cerebral Cortex Gray Matter with Diffusion MRI”; MPIs: DL Rosene, HE Stanley, VJ Wedeen,
- 7/2008-6/2010 R21-AG017609; National Institute of Aging; “Primate Model of Stroke and Recovery in Aging”; PI TL Moore, Co-I: DL Rosene,
- 7/2007-6/2013 R01-MH074811-01-05; National Institute of Mental Health; “Malnutrition and Mental Health: A Rat Model”; PI, JR Galler, Consultant: DL Rosene
- 4/2007-3/2013 P01-AG000001-30-34 National Institute of Aging; “Neural Substrates of Cognitive Decline in Aging Monkeys”; PI/PD DL Rosene
- 3/2005-2/2010 R37-AG017609-06-10; National Institute on Aging; “Neurobiological Consequences of Hypertension and Age”; PI: Mark B. Moss, Co-I: DL Rosene
- 9/2002-8/2007 AG017636 National Institute of Aging “Melatonin and Aging in Non-Human Primates”; PI: IH Zhdanova, Co-I: DL Rosene
- 7/2002-4/2004 Non-human Primate Model for Testing Drug Facilitation of Motor Recovery after Stroke PI: Douglas L. Rosene, ViaCell Inc., Worcester, MA
- 8/2000-6/2005 Neural Substrates of Cognitive Decline in Aging Monkeys PD/PI: Douglas L. Rosene, National Institute of Aging
- 4/2000-3/2001 Interaction of Hippocampal Formation and Prefrontal Cortex in Learning and Memory PI: Mark B. Moss, National Science Formation
- 3/2000-2/2005 R37-AG017609-01-05 National Institute of Aging ; ‘Neurobiological Consequences of Hypertension and Age’ PI: Mark B. Moss,
- 4/1999-3/2004 National Institute of Child Health and Development “Prenatal Malnutrition and Mental Retardation” PD: JR Galler; PL: DL Rosene, “Neuroanatomy Division”
- 2/1997-1/2000 P01 AG000001; National Institute of Aging “Neural Substrates of Cognitive Decline in Aging Monkeys” PD/PI: DL Rosene,
- 12/1993-11/1998 National Institute of Neurological Diseases & Stroke “Cognition and Cerebrovascular Disease” PD: MB Moss; CoPL: DL Rosene and TL Kember
- 1/1996-1/1997 National Institute of Aging “Neural Substrates of Cognitive Decline in Aging Monkeys” PD: Alan Peters, PI Project 3 DL Rosene “Age-related Changes in Limbic System of Primate Brain
- 9/1991-8/1994 National Institute of Neurological and Communicative Diseases & Stroke “Anatomy of the Hippocampal Commissures” PI: Steven Demeter, BU Subcontract PI: DL Rosene.
- 4/1987-3/1992 National Institute of Heart, Lung and Blood “Role of the Arterial Wall in Atherosclerosis” PI; Cerebrovascular Disease in the Cynomolgus Monkey: A Behavioral and Neuropathological Study” PD W Hollander, PL: Mark B. Moss, Co-I DL Rosene

- 7/1983-6/1991 National Institute of Aging; “Basal Forebrain and Age-related Disease” Co-PIs: MB Moss, DL Rosene,
- 3/1983-2/1989 National Institute of Neurological and Communicative Diseases & Stroke “Anatomy of the Limbic System in Primates” PI: Douglas L. Rosene,
- 7/1981-11/1988 P01-AG000001 “Aging and the Primate Nervous System Project 3: The Basal Forebrain and Limbic System in the Aged Monkey” PD: A Peters; PL: DL Rosene,
- 2/1981-2/1994 National Institute of Neurological Diseases & Stroke; “Organization of the Cerebral Cortex in Primates”; Co-PIs: DN Pandya, DL Rosene,
- 2/1980-1/1983 National Science Foundation: “Anatomy of the Limbic System in Primates” PI: DL Rosene, National Science Foundation
- 11/1979-12/1982 Office of Naval Research; “Physologic and Stereotactic Coordinates for the Forebrain of the Rhesus Monkey”; PI: Douglas L. Rosene,

INVITED LECTURES AND CONFERENCE PRESENTATIONS (From 1992)

- March 21, 2018 “Anatomical and Functional Interactions of the Hippocampus and Amygdala with the Prefrontal Cortex in the Rhesus Monkey” *Neuropsychiatry 101 Symposium* at the Annual Meeting of the American Neuropsychiatric Association, Boston, MA
- October 27, 2017 “Neuroanatomical Assessment of Diffusion MRI Tractography - Using Tract Tracing and Immunohistochemistry to Ask: What are we Really Seeing?” *Connectivity Course: Structural and Functional Connectivity via MRI*, Athinoula A. Martinos Center for Biomedical Imaging, Harvard Medical School, Massachusetts General Hospital. Charlestown, MA
- July 14, 2017 “White Matter Pathology and Cognitive Impact in the Aging Non-human Primate” *Vascular Cognitive Disorders Professional Interest Area Symposium*, Alzheimers Association International Conference, London, England, UK.
- October 28, 2016 “Neuroanatomical Assessment of Diffusion MRI Tractography - Using Tract Tracing and Immunohistochemistry to Ask: What are we Really Seeing?” *Connectivity Course: Structural and Functional Connectivity via MRI*, Athinoula A. Martinos Center for Biomedical Imaging, Harvard Medical School, Massachusetts General Hospital. Charlestown, MA
- October 30, 2015 “Neuroanatomical Assessment of Diffusion MRI Tractography - Using Tract Tracing and Immunohistochemistry to Ask: What are we Really Seeing?” *Connectivity Course: Structural and Functional Connectivity via MRI*, Athinoula A. Martinos Center for Biomedical Imaging, Harvard Medical School, Massachusetts General Hospital. Charlestown, MA
- June 6, 2016 “A Rhesus Monkey Model for Quantifying Effects of Cortical Ischemic Damage on Fine Motor Function: Some Interventions that Facilitate Recovery” Department of Anesthesiology & Perioperative Medicine, Oregon Health Science University, Portland Oregon.
- June 6, 2016 “Neuroanatomical Assessment of Diffusion MRI Tractography - Using Tract Tracing and Immunohistochemistry to Ask: What are we Really Seeing?” Advanced Imaging Research Center, Oregon Health Science University, Portland Oregon.
- April 28, 2016 “Neuroanatomical Assessment of Diffusion MRI Tractography - Using Tract Tracing and Immunohistochemistry to Ask: What are we Really Seeing?” Seminar Series at The

Brigham and Women's Hospital Psychiatry Neuroimaging Laboratory, Harvard Medical School, Boston MA.

- October 30, 2015 "Testing the Reality of MR Tractography Using Tract Tracer and Immunohistochemistry to Explore Fiber Connectivity in the Monkey Brain" *Connectivity Course: Structural and Functional Connectivity via MRI*, Athinoula A. Martinos Center for Biomedical Imaging, Charlestown, MA
- October, 1, 2014 "Light Microscopic Exploration of Fiber Pathways in the Monkey Connectome: Tract Tracer and Immunohistochemistry of Axon Trajectories" Seminar, Center for Systems Neuroscience: Initiative for Physics and Mathematics of Neural Systems, Boston University, Boston, MA
- September 3, 2014 "Testing the Reality of MR Tractography Using Tract Tracers and Immunohistochemistry to Explore Fiber Connectivity in the Monkey Brain" *Connectivity Course: Structural and Functional Brain Connectivity via MRI*, Athinoula A. Martinos Center for Biomedical Imaging, Charlestown, MA
- June 14, 2014 "Testing the Reality of MR Tractography Using Tract Tracers and Immunohistochemistry to Explore Fiber Connectivity in the Monkey Brain" *Connectivity Course: Structural and Functional Brain Connectivity via MRI and fMRI*, Athinoula A. Martinos Center for Biomedical Imaging Charlestown, MA
- April 17, 2013 "Neuroanatomical and Cellular Correlates of Diffusion MR Tractography: What are we Really Seeing?" Athinoula A. Martinos Center for Biomedical Imaging Brian Maps Seminar Series, Massachusetts General Hospital, Charlestown, MA
- February 13, 2013 "Tracing Pathways in the Primate Brain" Athinoula A. Martinos Center for Biomedical Imaging Retreat on structural and Functional Connectivity: What should we be doing to weave connectomics across scales and modalities? Massachusetts General Hospital, Charlestown, MA
- December 14, 2012 "Testing the Reality of MR Tractography Using Tract Tracers and Immunohistochemistry to Explore Fiber Connectivity in the Monkey Brain" *Connectivity Course: Structural and Functional Brain Connectivity via MRI and fMRI*, Athinoula A. Martinos Center for Biomedical Imaging Charlestown, MA
- March 17, 2011 "White Matter Changes as a Common Denominator for Neuronal Dysfunction and Cognitive Aging in Rhesus Monkey" Spring Brain Conference, Tucson, AZ
- January 27, 2011 "Cognitive Aging: Neurobiological Insights from the Normal Aging Rhesus Monkey" Department of Anatomy and Neurobiology, Boston University School of Medicine, Boston, MA
- June 3, 2010 "The Rhesus Monkey as a Model for Ischemic Stroke & Cognitive Aging" Acorda Therapeutics, Hawthorne, NY
- April 30, 2010 "Medical Temporal Lobe Limbic System and Dorsolateral Prefrontal Cortex Interactions in Higher Cognitive Functions." Limbic Symposium, Center for Excellence in the Neurosciences, University of New England, Biddeford, ME
- April 20, 2010 "Cognitive Aging: Neurobiological Insights from the Normal Aging Rhesus Monkey" Oregon National Primate Research Center, Oregon Health Services University, Beaverton, OR
- April 16, 2010 "Cognitive Aging in the Rhesus Monkey: Phenotype in need of its genetic underpinnings" Fourth International Conference on Primate genomics, Washington National Primate Research Center, University of Washington, Seattle, WA

- January 27, 2010 “Cognitive Aging: Neurobiological Insights from the Normal Aging Rhesus Monkey” Reynolds Center for Aging, Department of Geriatrics, University of Oklahoma, Oklahoma City, OK
- October 15, 2009 “Leon Cintra: Studies of Malnutrition and the Brain” Cintra Memorial Symposium, Neurobiology Institute of the National Autonomous University of Mexico (UNAM), Juriquilla, Queretaro, Mexico
- October 14, 2009 “Cognitive Aging and Adult Neurogenesis: Neurobiological Insights from the Normal Aging Rhesus Monkey” Neurobiology Institute of the National Autonomous University of Mexico (UNAM), Juriquilla, Queretaro, Mexico
- September 24, 2009 “The Primate Model of Cognitive Aging: Insights and Unsolved Problems” 14th Annual Canine Cognition, Aging and Neuropathology Conference, Niagra-on-the-Lake, Ontario, Canada
- May 5, 2009 “Cognitive Aging: Neurobiological Insights from the Normal Aging Rhesus Monkey” New England National Primate Research Center, Harvard Medical School, Southborough Campus, MA
- May 31, 2008 “Neurogenesis in the Aging Non-Human Primate: What Happens to all these new cells?” Session I: Neurogenesis in Aging”, 37th Annual Meeting of the American Aging Association, Boulder, CO
- May 30, 2008 “Neurobiologia Substrates of Age-Related Cognitive Impairment” Pre-conference Workshop: “Aging Non-human Primates: Models, Progress & Future Directions” 37th Annual Meeting of the American Aging Association, Boulder, CO
- September 13, 2007 “Cognitive Aging: Neurobiological Insights from the Normal Aging Rhesus Monkey” Center for Brain Aging and Dementia, University of California at Irvine, Irvine, CA
- April 13, 2007 “Career Development Pathways for Post-doctoral Fellows” Boston University Medical Center Post-doctoral Association Presentation, Boston University Medical Center, Boston, MA
- December 9, 2006 “A Non-Human Primate Model of Cortical Stroke (Ischemic Damage) for Assessing Recovery of Motor Function” Wyeth Research, Collegeville, PA
- May 24, 2006 “Cognitive Aging: Neurobiological Insights from the Normal Aging Rhesus” Center for Aging & Developmental Biology, University of Rochester School of Medicine and Dentistry, Rochester, NY
- June 10, 2005 “A New View of the Aging Brain: Rethinking Conventional Wisdom” Department of Pharmacology Scientific Social, Boston University School of Medicine, Boston, MA
- March 8, 2005 “The Human Brain: A Map Through the Maze” Mini-Med School, Boston University School of Medicine, Boston, MA
- March 12, 2004 “Neurophysiological correlates of changes in forebrain white matter in the aged rhesus monkey” Presented in a Plenary Session on” Neuroimaging in Normal Aging, MCI and Alzheimer’s Disease, Spring Brain Conference, Sedona, AZ
- February 4, 2004 “Aging and Cognition in the Rhesus Monkey: Functional Correlates of White Matter Pathology” Translational Neuroscience Seminar Series, Mount Sinai School of Medicine, New York City, NY
- January 19, 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.

- April, 2003 “A Map of the Brain: Structure and Function” “Mini-Med School” of Boston University School of Medicine, Boston, MA
- September 22, 2002 “The Laboratory for Cognitive Neurobiology: In Search of the Engram” Laboratory Update Series, Department of Anatomy and Neurobiology, Boston University School of Medicine, Boston, MA.
- July 26, 2002 “Age-related Changes in Cognition and the Brain of the Monkey : Role of Inflammatory Processes in White Matter Degeneration” Vitamin Metabolism and Neurocognitive Laboratories of the USDA Human Nutrition Research Center on Aging, Tufts University, Boston MA
- June 10, 2002 “Age-related Changes in Cognition and the Brain of the Rhesus Monkey: Evidence for Inflammatory Processes in White Matter” in a Symposium on “The Use of Antioxidants to Maximize Brain Function” Annual Meeting of the American Aging Association , Madison, WI
- March 15, 2002 “White Matter Changes in Aging Monkeys: MRI and Evoked Potential Findings“ March 15, 2002, Spring Brain Conference, Sedona, AZ
- January 16, 2002 “The Human Brain: A Map through the Maze” Senior Anatomy and Physiology Course, Georgetown Middle High School, Georgetown, MA
- October 31, 2001 “A Map of the Brain: Structure and Function” “Mini-Med School” of Boston University School of Medicine, Boston MA
- May 31, 2001 “The Aging Rhesus Monkey: Patterns of Neurobiological Change in Successful and Unsuccessful Aging” NIH sponsored workshop “Nonhuman Primate Models of Aging: Evaluating Their Current Status and Future Potential” Annual Meeting of the American Aging Association, Madison, WI
- April 26, 2001 “Aging in Non-human Primates: Neurobiological Correlates of Cognitive Decline” Annual Meeting of the International Behavioral Neuroscience Society, Cancun, Mexico.
- April, 2001 “A Map of the Brain: Structure and Function” “Mini-Med School” of Boston University School of Medicine, Boston, MA
- February 21, 2001 “Stereological Studies of the Age-related Changes in the Rhesus Monkey Brain” Stereology Resource Center Workshop, “Applications of Unbiased Stereology to Neural Systems” Boston, MA.
- February 11, 2001 “New Perspectives on Age-related Cognitive Impairments” Neuroscience Day, College of Arts and Sciences, Boston University, Boston, MA.
- January 29, 2001 “Age-related cognitive Impairments & Changes in the Brain of the Rhesus Monkey” USDA Human Nutrition Research Center on Aging, Tufts University, Boston, MA.
- November 28, 2000 “Non-human Primates as a Model for Assessing Sleep Disruption and Cognitive Functions” Continuous Performance (24/7) Workshop at Systems Planning Corp., Defense Advanced Research Projects Agency, Arlington, VA
- April 5, 2000 “A Map of the Brain: Structure and Function” “Mini-Med School” of Boston University School of Medicine, Boston MA
- March 28, 2000 “The Neurobiological Bases of Age-Related Cognitive Impairments: New Perspective from a Non-human Primate Model of Normal Aging Bio2000 TechTransferForm, Boston, MA

- March, 1999 “Experimental hypertension results in loss of white matter but not gray matter.” An MRI study in the rhesus monkey. Spring Brain Conference, Sedona, AZ
- June 3, 1998 “Age-related Changes in the Brain of the Rhesus Monkey: Preservation of Neurons and Synapses but Changes in Receptors and Myelin“ National Institute on Aging sponsored Workshop- “Age-related Neurobehavioral Research: An integrative cognitive neuroscience agenda for the 21st Century” Bethesda, MD
- April 23, 1998 “Neurobiological Bases of Age-related Cognitive Decline in the Normal Aging Rhesus Monkey. Oregon Regional Primate Research Center, Oregon Health Sciences University, Portland, OR
- April 21, 1998 “Age-related Preservation of Hippocampal Neurons and Synapses but not Receptors” in the Symposium entitled “The Normal Aging Primate Brain” Experimental Biology 98, San Francisco, CA
- April 21, 1998 Chairman and Organizer: Symposium “The Normal Aging Primate Brain”, Experimental Biology 98, Annual meeting of the Federated Societies of Experimental Biology, San Francisco, CA
- March 10, 1998 “Hypertension Related Changes in a Non-human Primate Model of Cerebrovascular Disease: Early Stage Attentional Dysfunction” Annual Spring Brain Conference, Sedona, AZ.
- December 4, 1997 “Neurobiological Bases of Age-related Cognitive Decline in the Normal Aging Rhesus Monkey” Zeneca Pharmaceuticals, Neuroscience Division, Wilmington, DE
- November 21, 1997 “Effects of Aging on Behavior & Neuropathology of the Rhesus Monkey” Brain and Cognition Program, Department of Psychology, Boston University College of Arts and Sciences, Boston, MA
- November 20, 1997 Panel Discussant in the Symposium “Are Animals Just Another Supply Item? Issues in the Responsible Use of Animals in Research” Boston University School of Medicine, Boston, MA
- October 20, 1997 “Hippocampal Cytology and Connections in the Primate and Human Brains” Neuroscience Seminar Series, Massachusetts General Hospital, Harvard Medical School, Partners Neurology Program, Boston, MA
- April 22, 1997 “The Neurobiological Bases of Age-related Cognitive Decline in the Normal Aging Rhesus Monkey.” MacLean Hospital Neuroscience Seminar, Harvard University, Boston, MA
- March 9, 1997 “Preservation of Neurons and Synapses but Changes in Receptors in Normal Aging.” Spring Brain Conference, Sedona, AZ
- March 9, 1997 Chairman and Organizer: Plenary Session “Normal Aging and the Brain.” Spring Brain Conference, Sedona, AZ
- February 25, 1997 The Neurobiological Bases of Age-related Cognitive decline in the Normal Aging Rhesus Monkey.” Yerkes Regional primate Research Center, Emory University, Atlanta, GA
- February 22, 1997 “ The Use of Stereological Methods in the Analysis of MRI Scans and Corresponding Tissue Sections of the CNS: Point Counting and the Optical Fractionator.” Neuroscience Spring Imaging Symposium, Emory University, Atlanta, GA

- March, 1996 “Age-related changes in neurotransmitter receptor systems in the cerebral cortex of the rhesus monkey.” Department of Neurology, Massachusetts General Hospital, Boston, MA
- June 4 - 6, 1995 Demonstration and presentation of the computer aided instructional program “Brainstorm” as part of a presentation on “Technology and Medical Education” to the Early Medical School Selection Program Conference: Medicine and Medical Education in the 21st Century, Boston University School of Medicine, Boston, MA
- December 2, 1994 “Hippocampal circuitry and neurobiology of memory systems in primates.” Interdepartmental Neuroscience Seminar Series, Department of Pharmacology, Boston University School of Medicine, Boston, MA
- November 16, 1992 “Comparing Age-related Changes in the Basal Forebrain and Hippocampus of the Rhesus Monkey” National Institutes on Aging Workshop on “The Aging Monkey: Behavior and Neurobiology”, Baltimore, MD

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<https://scholar.google.com/citations?user=8knnPyMAAAAJ&hl=en>

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

1. Yazdani N, Coelho MA, Reed ER, Fultz EK, Healy AF, Ruan QT, Shahin J, Johnson WE, Rosene DL, Mortazavi F, Szumlinski KK, Bryant CD (2017) Hnrnp1 haploinsufficiency reduces methamphetamine reward, reinforcement, and mesocorticolimbic function. Submitted to *Biological Psychiatry*, February 2017. Under revision 2018

Original, Peer Reviewed Articles Published - Most Recent to Earliest: (N = 152, 1974 – 2018)

1. Koo B-B, Calderazzo S, Bowley BGE, Kolli A, Moss MB, Rosene DL, Moore TL, (2018) Long-term Effects of Curcumin in the Non-human Primate Brain: Diffusion Magnetic Resonance Imaging and Morphometry Study *Brain Research Bulletin* In Press, June 2018.
2. Orczykowski ME, Arndt KR, Palitz LE, Kramer BC, Pessina MA, Oblak AL, Finklestein SP, Mortazavi F, **Rosene DL**, Moore TL, (2018) Cell based therapy enhances activation of ventral premotor cortex to improve recovery following primary motor cortex injury *Experimental Neurology* 305:13–25 <https://doi.org/10.1016/j.expneurol.2018.03.010>
3. Kubicki M, Baxi M, Pasternak O, Tang Y, Karmacharya S, Chunga N, Lyall AE, Rathi Y, Eckbo R, Bouix S, Mortazavi F, Papadimitriou G, Shenton ME, Westin CF, Killiany R, Makris N, **Rosene D** (2018) Lifespan trajectories of white matter changes in rhesus monkeys. In Press *Cerebral Cortex* 2018.

4. Moore TL, Bowley BGE, Shultz PL, Calderazzo, SM Shobin EJ, Uprety AR, Rosene DL & Moss MB (2018): Oral curcumin supplementation improves fine motor function in the middle-aged rhesus monkey, *Somatosensory & Motor Research*, 15:1-10. DOI: 10.1080/08990220.2018.1432481
5. Robinson AA, Abraham CR, Rosene DL (2018) Candidate Molecular Pathways of White Matter Vulnerability in the Brain of Normal Aging Rhesus Monkeys *Geroscience* , Jan 22. doi: 10.1007/s11357-018-0006-2. [Epub ahead of print] PMID: 29357021 January 2018.
6. Paspalas CD, Carlyle BC, Leslie S, Preuss TM, Crimins JL, Huttner AJ, van Dyck CH, **Rosene DL**, Nairn AC, Arnsten, AFT (2017) The aged rhesus macaque manifests Braak stage III/IV Alzheimer's-like pathology. *Alzheimer's Disease and Dementia*, Dec 2017. <http://dx.doi.org/10.1016/j.jalz.2017.11.005> PMID: 29241829
7. Moore TL, Bowley B, Shultz P, Calderazzo, S Shobin E, Killiany RJ, **Rosene DL**, Moss MB (2017) Chronic curcumin treatment improves spatial working memory but not recognition memory in middle-aged rhesus monkeys *Geroscience Dec*;39(5-6):571-584. doi: 10.1007/s11357-017-9998-2. Epub 2017 Oct 18. PMID: 29047012
8. Seth N, Simmons H, Masood F, Graham WA, **Rosene DL**, Westmoreland S, Macri S, Gwardjan B, Sejdic E, Hoggatt A, Schalk DR, Hussein AA, Sledge JB, Nesathura S. (2017) Evidence from a Non-Human Primate Model of Traumatic Spinal Cord Injury in Cynomolgus Macaques (*Macaca fascicularis*) to Evaluate for the Efficacy of a Combination Pharmacological Treatments. *Comparative Medicine*, 68:63-73.
9. Mortazavi F, Romano SE, **Rosene, DL**, Rockland KS, (2017) A Survey of white matter neurons at the gyral crowns and sulcal depths in the rhesus monkey. *Frontiers in Neuroanatomy*, 017 Aug 15;11:69. doi: 10.3389/fnana.2017.00069. eCollection 2017. PMID: 28860975
10. Shobin, E, Bowley, MP, Estrada, LI, Heyworth, NC, Orczykowski, ME, Eldridge, SA, Calderazzo, S, Mortazavi, F, Moore, TL, **Rosene, DL**. (2017) Microglia activation and phagocytosis: relationship with aging and cognitive impairment in the rhesus monkey. *Geroscience*, 2017 Feb 25. PMID: 28238188..
11. Mortazavi F, Oblak AL, Morrison WZ, Schmahmann JD, Stanley HE, Wedeen VJ, **Rosene DL** (2017) Geometric Navigation of Axons in a Cerebral Pathway: Comparing dMRI with Tract Tracing and Immunohistochemistry *Cerebral Cortex*, 2017 Feb 16; 1-14. PMID: 2820374 <https://doi.org/10.1093/cercor/bhx034>
12. Estrada LI, Robinson AA, Amaral AC, Giannaris EL; Heyworth NC; Mortazavi F; Ngwenya LB; Roberts DE; Cabral HJ, Killiany RJ, **Rosene DL** (2017) Evaluation of Long-Term Cryostorage of Brain Tissue Sections For Quantitative Histochemistry, *Journal of Histochemistry and Cytochemistry*. 2017 2017 Mar; 65(3):153-171. PMID: 28080173.
13. Peter CJ, Fischer LK, Kundakovic M, Garg P, Jakovcevski M, Dincer A, Amaral AC, Ginns EI, Galdzicka M, Bryce CP, Ratner C, Waber D, Mokler D, Medford G, Champagne FA, **Rosene DL**, McGaughy JA, Sharp AJ, Galler JR, Akbarian S (2016) DNA methylation signatures of early childhood malnutrition associated with impairments in attention and cognition. *Biological Psychiatry* 80:765-774. doi: 10.1016/j.biopsych.2016.03.2100
14. Moore TL, Pessina, MA, Finklestein, SP, Killiany, RJ, Bowley, B, Benowitz, L and **Rosene, DL**. (2016) Inosine Enhances Recovery of Grasp Patterns Following Cortical Damage in the Non-Human Primate. *Restorative Neurology and Neuroscience*. Published online in advance of Restorative Neurology and

- Neuroscience, Volume 34, Issue 5, 2016 Sep 21; 34(5):827-48. PMID: 27497459. doi 10.3233/RNN-160661,
15. Mortazavi F, Wang X, **Rosene DL**, Rockland KS, (2016) White Matter Neurons in Young Adult and Aged Rhesus Monkey. *Frontiers in Neuroanatomy* 10: Article#15; Feb 22;10:15. doi: 10.3389/fnana.2016.00015. eCollection 2016. PMID: 26941613.
 16. Fischer LK, McGaughy JA, Bradshaw SE, Weissner WJ, Amaral AC, **Rosene DL**, Mokler DJ, Fitzmaurice GM, Galler JR, (2016) Prenatal protein level impacts homing behavior in Long-Evans rat pups *Nutritional Neuroscience* 19(5): 187-195 01/2015; doi:10.1179/1476830515Y.0000000001. PMID: 25603489
 17. 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 Systems Neuroscience* July 2015 <http://dx.doi.org/10.3389/fnsys.2015.00102> PMID: 26236203.
 18. Aggleton, J, Wright NF, **Rosene, DL**, Saunders RC (2015) Complementary patterns of direct amygdala and hippocampal projections to the macaque prefrontal cortex. *Cerebral Cortex* 4351-4373, 2015 Nov 25(11):4351-73. doi: 10.1093/cercor/bhv019. Epub 2015 Feb 24 PMID: 25715284.
 19. Seth N, Masood F, Sledge JB, Graham WA, **Rosene DL**, Westmoreland S, Macri S, Sejdic E, Hoggatt A, Simmons H, Abdullah HA, Nesathurai S, (2015) Humane Non-Human Primate Model of Traumatic Spinal Cord Injury: Quantitative Analysis of Electromyographic Data. *Open Journal of Veterinary Medicine*, 5, 161-168. <http://dx.doi.org/10.4236/ojvm.2015.57022>
 20. Amaral, AC, Jakovcevsk M, McGaughy, JA, Calderwood, SK, Mokler, DJ, Rushmore, RJ, Galler, JR, Akbarian, SA, **Rosene, DL** (2015) Prenatal Protein Malnutrition Decreases KCNJ3 and 2DG Activity in Rat Prefrontal Cortex *Neuroscience* 12; 286:79-86. doi: 10.1016/j.neuroscience.2014.11.005 PMID: 25446346
 21. McGaughy JA, Amaral AC, Rushmore RJ, Mokler DJ, Morgane PJ, **Rosene DL**, Galler JR (2014) Prenatal Malnutrition Leads to Deficits in Attentional Set Shifting and Decreases Metabolic Activity in Prefrontal Subregions that Control Executive Function *Developmental Neuroscience* 36(6):532-41 DOI: 10.1159/000366057 PMID: 25342495
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 23. Koo, B-B, Oblak AL, Zhao Y, Farris CW, Bowley B, **Rosene DL**, Killiany RJ (2013) Hippocampal network connections account for differences in memory performance in the middle-aged rhesus monkey. *Hippocampus*. 2013 Dec 23(12):1179-88. doi: 10.1002/hipo.22156. Epub 2013 Jul 13 PMID: 23780752.
 24. Moore TL, Pessina MA, Finklestein SP, Kramer BC, Killiany RJ, **Rosene, DL** (2013) Recovery of Fine Motor Performance After Ischemic Damage to Motor Cortex is Facilitated by Cell Therapy in the Rhesus Monkey *Somatosensory and Motor Research* 2013 Dec 30(4):185-96. doi: 10.3109/08990220.2013.790806. Epub 2013 Jun 12. PMID: 23758412
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- oligodendrocyte maturation and myelination of the CNS. *Journal of Neuroscience*. 2013 Jan 30; 33(5):1927-39. doi: 10.1523/JNEUROSCI.2080-12.2013 PMID: 23365232
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Dissertation:

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