

Education

| Year | Degree | Field | Institution |
|------|-------------------------------|--------------|--|
| 1990 | M.Sc.Pharm. (Cand. Pharm.) | Pharmacy | University of Iceland, Reykjavik, Iceland. |
| 1997 | Ph.D. | Pharmacology | Loyola University Chicago Medical Center Maywood, Illinois. |

Postdoctoral Training

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| 1997-2000 | Assistant Research Scientist, Departments of Pathology and Neurology, New York University School of Medicine, New York, New York. |
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Licensure and Certification

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| 1990 | Certificate of Full Registration as a Pharmacist, Iceland, License # 273. |
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Academic Appointments

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| 2001-2001 | Research Assistant Professor of Neurology, New York University School of Medicine, New York, New York. |
| 2001-2008 | Assistant Professor of Psychiatry and Pathology, tenure-track. New York University School of Medicine, New York, New York. |
| 2008-2015 | Associate Professor of Neuroscience and Physiology, and Psychiatry, tenured 09/2011. New York University School of Medicine, New York, New York. |
| 2015-present | Professor of Neuroscience and Physiology, and Psychiatry. New York University School of Medicine New York, New York. |

Other Professional Positions and Visiting Appointments

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| 1990 | Pharmacist, The Pharmacy of Akranes, Akranes, Iceland. |
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| 1990-1991 | Pharmacist, Instructor in Medicinal Chemistry, Department of Medicine, University of Iceland, Reykjavik, Iceland. |
| 06-07/2007 | Visiting Professor, Universite de Montpellier II, Montpellier, France. |
| 07/2009 | Visiting Professor, Ecole Pratique des Hautes Etudes (EPHE) at Universite de Montpellier II, Montpellier, France. |

Awards and Honors

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| 1991 | Thor Thors Memorial Fund Fellowship / The American Scandinavian Foundation. |
| 1991-1997 | Loyola University Graduate Assistantship. |
| 1994 | Alfred Benzon Foundation Award / The Pharmacy of University of Iceland. |
| 1996 | Alpha Sigma Nu, Jesuit Honor Society. |
| 1998-1999 | New York University, Alzheimer's Disease Center, NIH Pilot Study Grant Award. |
| 2001-2004 | Alzheimer's Association, Investigator Initiated Research Grant Award. |
| 2001-2015 | National Institute on Aging, R01 AG020197 Grant Award. |
| 2004-2007 | Alzheimer's Association, Investigator Initiated Research Grant Award. |
| 2007-2010 | National Institute of Diabetes & Digestive & Kidney Diseases, R21 DK075494 Grant Award. |
| 2008-2012 | Irma T. Hirschl Career Scientist Award. |
| 2008-2009 | Alzheimer's Drug Discovery Foundation Grant Award. |
| 2008-2011 | Alzheimer's Association, Zenith Fellow Grant Award. |
| 2008-2028 | National Institute on Aging, R01 AG032611 Grant Award. |
| 2009 | Margaret M. Cahn Research Award. |
| 2009 | Recipient of <i>Certificate of Special United States Congressional Recognition</i> in recognition of outstanding and invaluable service to the community. |
| 2009 | Recipient of <i>New York State Senate Citation</i> for exemplary service to the community. |
| 2010-2011 | Alzheimer's Drug Discovery Foundation Grant Award. |
| 2010-2015 | National Institute on Aging, U01 AG033183 Consortium Grant Award. |
| 2010 | McKnight Memory and Cognitive Disorders Award Finalist (9 finalists out of 104 applicants) |
| 2011-2027 | National Institute of Neurological Disorders and Stroke, R01 NS77239 Grant Award. |
| 2016-2017 | The Michael J. Fox Foundation Grant Award. |
| 2018-2020 | National Institute of Aging, R21 AG058282 Grant Award. |
| 2018-2020 | National Institute of Aging, R21 AG059391 Grant Award. |
| 2020-2022 | National Institute of Aging, R21 AG069475, Grant Award |
| 2021-2026 | National Institute of Neurological Disorders and Stroke, RF1, R01 NS120488, Grant Award. |
| 2023-2024 | National Institute of Aging, R56 AG083436, Grant Award. |

Major Committee Assignments

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| 2000-2001 | Department of Veterans Affairs, External Grant Reviews. |
| 2000-present | Grant Reviewer for the Alzheimer's Association. |
| 2000-present | Grant reviews for the NYU Alzheimer's Clinical Center NIH pilot award program. |
| 2002-present | Scientific Advisory Board, Institute for the Study of Aging/Alzheimer's Drug Discovery Foundation. |
| 2007 | National Institutes of Health, Special Emphasis Panel, ZRG1 BDCN Y 04. |
| 2008 | Technology Transfer Sub-Committee of the Science Leadership Committee at New York University School of Medicine. |
| 2008 | Grant Reviewer for the Maryland Technology Development Corporation (TEDCO), University Programs. |
| 2008 | Alzheimer's Drug Discovery Foundation (ADDF)/ The Association for Frontotemporal Dementias (AFTD) Partnership Panel Review. |
| 2008 | ADDF/Elan Partnership Panel Review. |
| 2009-present | ADDF Panel Reviews. |
| 2009 | National Institutes of Health, ZRG1 MDCN-G (02) M Study Section. |
| 2009 | National Institutes of Health, ZRG1 CB-Q (30) Study Section. |
| 2010 | National Institutes of Health, CMND Study Section, February and May meetings. |
| 2010 | National Institutes of Health, ZRG1 MDCN-G(91) Study Section. |
| 2011 | National Institutes of Health, CDIN Study Section, January and June meetings. |
| 2011, 2013, 2014 | Grant Reviewer, Israel Science Foundation. |
| 2011, 2012 | Grant Reviewer, The French National Research Agency. |
| 2011 | National Institutes of Health, ZRG1 MDCN-F(03) Study Section. |
| 2012 | Grant reviewer, Foundation for Alzheimer Research, Belgium. |
| 2012-present | Blas Frangione Young Investigator Award Committee. |
| 2012 | National Institutes of Health, 2013/01 GDD Study Section. |
| 2012 | Grant reviewer for the Alberta Prion Research Institute, Canada. |
| 2012-present | NYU Comprehensive Center for Brain Aging and Dementia/Center for Cognitive Neurology, Steering Committee. |
| 2013-present | AFAR National Scientific Advisory Council |
| 2013 | National Institutes of Health ZRG1 MDCN-N (03) M Study Section. |
| 2013 | National Institutes of Health 2013/10 ZNS1 SRB-N (04) Study Section – EUREKA grants. |
| 2013-2017 | National Institutes of Health, CMND Study Section, Standing Member. |
| 2014 | National Institutes of Health, ZAG1 ZIJ-6 (01) Study Section. |
| 2014-present | Lifeboat Foundation, Advisory board. |
| 2015-present | Service on confidential NYU panels selecting institutional nominees for various awards. |

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| 2015-present | NYU-Pfizer Center for Therapeutic Innovation Joint Steering Committee |
| 2015-present | Alzheimer's Society, United Kingdom, grant reviewer. |
| 2015-present | Parkinson's UK, grant reviewer. |
| 2015-present | Wellcome Trust, United Kingdom, grant reviewer. |
| 2015-present | Research Councils UK, grant reviewer. |
| 2016 | National Institutes of Health, ZAG1 ZIJ-6 (J1) Study Section; U01 AD Drug Development Review Panel. |
| 2017 | Canadian Institutes of Health Research, grant reviewer. |
| 2017, 2019 | NYU School of Medicine, ad hoc tenure committee. |
| 2017 | The Research Foundation – Flanders, FWO, Belgium, grant reviewer. |
| 2017 | National Institutes of Health, U01 AD Drug Development Review Panel, ZAG1 ZIJ-6 (J3). |
| 2017 | National Institutes of Health, ZDK1 GRB-S (J2) Study Section. |
| 2017 | National Institutes of Health, ZRG1 BDCN-Q (02) Study Section. |
| 2017 | National Institutes of Health, U01 AD Drug Development Review Panel, ZAG1 ZIJ-6 (M3). |
| 2018 | National Institutes of Health, ZRG1 MDCN-N (03) Study Section. |
| 2018 | National Institutes of Health, ZDK1 GRB-S (O2) S Study Section. |
| 2018 | National Institutes of Health, ZRG1 BDCN-Q (02) M Study Section. |
| 2018 | National Institutes of Health, ZRG1 BDCN-W (02) M Study Section. |
| 2018 | National Institutes of Health, ZRG1 MDCN-E (56) Study Section. |
| 2019 | National Institutes of Health, ZRG1 MDCN-A (56) Study Section. |
| 2019 | National Institutes of Health, ZNS1 SRB-A (24) Study Section. |
| 2019 | National Institutes of Health, CSR/SSI Anonymization Study, 2017/05 ZCA1 SRA-G (01) 1. |
| 2019 | National Institutes of Health, ZRG1 MDCN-P (56) July Study section. |
| 2019 | NYU School of Medicine, ad hoc tenure committee. |
| 2019 | National Institutes of Health, ZRG1 MDCN-P (56) November Study section. |
| 2020 | National Institutes of Health, ZRG1 MDCN-P (56) March Study section. |
| 2020 | National Institutes of Health, NSD-B June Study section. |
| 2020-2022 | NYU Leon Lewy Fellows Review Committee |
| 2020 | National Institutes of Health, ZRG1 MDCN-P (56) November Study section. |
| 2021 | National Institutes of Health, U01 AD Drug Development Review Panel. |
| 2021-present | NYU Langone Health Investment Advisory Committee. |
| 2021 | National Institutes of Health, ZRG1 MDCN-P (56) July Study section. |
| 2022 | Texas Alzheimer's Research and Care Consortium (TARCC) Grants review panel. |
| 2022 | National Institutes of Health, ZRG1 BDCN-K (02) M June Study Section. |
| 2022 | Science Foundation Ireland, Research Team Progress Review Panel. |
| 2023 | National Institutes of Health, Special Emphasis Panel June Study Section. |
| 2023 | National Institutes of Health, Special Emphasis Panel November Study Section, Chair. |
| 2024 | NIH, NIDDK Catalyst Award, ZDK1 GRB-S (M3) January Study Section. |
| 2024 | National Institutes of Health, CDIN Feb Study Section. |

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| 2024 | NIH, Blueprint Neurotherapeutics (BPN) review panel, June Study Section |
| 2024 | National Institutes of Health, AD/ADRD R61 July Study Section. |
| 2024 | Biogen, Steering Committee. |

Memberships, Offices, And Committee Assignments In Professional Societies

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| 1993-present | The Society for Neuroscience. |
| 1999-2001 | The Harvey Society. |
| 2008-2010 | ISTAART, Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment |
| 2013-2014 | American Society for Biochemistry and Molecular Biology. |

Editorial Positions

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| Editorship | |
| 2003-2005 | Editor, Methods in Molecular Biology, Amyloid Proteins: Methods and Protocols, 1 st Edition, Volume 299, Humana Press, Totowa, NJ, January 2005. |
| 2009-2012 | Editor, Methods in Molecular Biology, Amyloid Proteins: Methods and Protocols, 2 nd Edition, Volume 849, Humana Press, Springer, March 2012. |
| 2016-2018 | Editor, Methods in Molecular Biology, Amyloid Proteins: Methods and Protocols, 3 rd Edition, Volume 1779, Humana Press, Springer, June 2018. |
| 2010-present | Editor-in-Chief, Frontiers in Alzheimer's Disease, name changed to Frontiers in Neurodegeneration (March 2011), Frontiers Media. |
| | Editorial Board |
| 2007-2013 | The Open Longevity Journal (formerly The Open Aging Journal, The Open Aging Letters, The Open Aging Reviews), Bentham Science Publishers. |
| 2008-2011, 2014-2016, 2018- 2020, 2024-present | Associate Editor, The Journal of Alzheimer's Disease, IOS Press |
| 2010-present | Specialty Chief Editor, Frontiers in Neurodegeneration, Associate Editor, Frontiers in Neuroscience, Frontiers in Psychiatry, Frontiers in Neurology, Frontiers Media. |
| 2017-present | Review Editor, Frontiers in Molecular Neuroscience, Frontiers Media. |
| 2018-present | Review Editor, Frontiers in Aging Neuroscience, Frontiers Media. |
| 2022-present | Neurobiology of Disease, Editorial Board. |
| 2022-present | Drugs, Editorial Board. |

Ad Hoc Journal Reviewer

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| 2001- | Neuroscience Letters. |
| 2001- | Journal of Neuropathology and Experimental Neurology. |
| 2001- | Neurobiology of Aging. |
| 2001- | Expert Opinion on Pharmacotherapy. |
| 2002- | Expert Opinion on Therapeutic Patents. |

2002- Lancet Neurology.
 2004- Nature Medicine.
 2004- Expert Review of Vaccines.
 2004- Investigational Drugs Database.
 2005- Experimental Neurology.
 2005- Lancet.
 2006- Drugs & Aging.
 2006- Expert Review of Neurotherapeutics.
 2006- Journal of Biological Chemistry.
 2006- Journal of Neuroscience.
 2006- Nature Protocols.
 2006- Expert Opinion on Investigational Drugs.
 2007- Prion.
 2007- Expert Opinion on Therapeutic Targets.
 2008- Neuroscience.
 2008- Expert Opinion on Emerging Drugs.
 2008- Expert Review of Anti-infective Therapy.
 2008- mAbs.
 2009- Journal of Alzheimer's Disease.
 2009- Expert Opinion on Biological Therapy.
 2009- Nature Reviews Neurology.
 2009- Immunotherapy.
 2009- PNAS
 2010- Recent Patents on CNS Drug Discovery
 2010- Acta Neuropathologica
 2011- Nature Communications
 2011- Brain Research
 2011- Neurodegenerative Diseases
 2012- Current Alzheimer Research
 2012- Alzheimer's & Dementia
 2012- PLoS One
 2012- Science Translational Medicine
 2013- Human Molecular Genetics
 2013- Alzheimer's Research and Therapy
 2013- Cell Reports
 2014- Brain
 2014- ACS Chemical Neuroscience
 2014- Annals of Clinical and Translational Neurology
 2015- Frontiers in Neuroscience
 2015- Neurotherapeutics
 2015- Drugs
 2015- Cellular and Molecular Neurobiology
 2016- Theranostics
 2016- Molecular Psychiatry
 2017- Molecular Neurodegeneration
 2018- Progress in Neurobiology

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| 2018- | Acta Neuropathologica Communications |
| 2018- | Neurobiology of Disease |
| 2018- | Scientific Reports |
| 2019- | Nature Cell Biology |
| 2019- | Pharmacology and Therapeutics |
| 2020- | Frontiers in Aging Neuroscience |
| 2020- | Nature Aging |
| 2021- | Seminars in Cell and Developmental Biology |
| 2022- | Translational Neurodegeneration |
| 2022- | Journal of Controlled Release |
| 2024- | CNS Drugs |
| 2024- | Annals of Neurology |
| 2024- | Nature Nanotechnology |

Major Administrative Responsibilities

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| 2009-present | Interviewing Ph.D. and M.D/Ph.D. candidates for the Vilcek Institute at NYU School of Medicine. |
| 2011-2012 | Interviewing Chairman candidates for Neurology. |
| 2012-2020 | Comprehensive Center for Brain Aging (name changed in 2014 to Center for Cognitive Neurology) Steering Committee, NYU School of Medicine. |
| 2014-present | Course Director, Mechanisms of Neurodegeneration, NYU Vilcek Institute, 4 credits. |
| 2015-present | Service on confidential NYU panels selecting institutional nominees for various awards. |
| 2015- | NYU-Pfizer Center for Therapeutic Innovation Joint Steering Committee. |
| 2017, 2019 | NYU School of Medicine, ad hoc tenure committee. |
| 2021-present | NYU Langone Health Investment Advisory Committee. |

Teaching Experience

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| 1991 | Medicinal Chemistry IV, University of Iceland, Guest Lecturer (6 hours). |
| 1991 | Laboratory Techniques in Medicinal Chemistry, University of Iceland, Instructor (5 hours per week for one semester). |
| 1994-1996 | Introduction to Pharmacology; Biology 389, Loyola University Chicago, Lecturer (1 hour per year). |

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| 1995-1997 | Participated in the annual Interactive Drug Educational Project at Edmund F. Lindop School, Broadview, IL (5 hours per year). |
| 2005 | Special Topics in Molecular, Cellular, and Genetic Neurobiology G23.2222, New York University, Guest Lecturer (2 hours). |
| 2005 | Protein Misfolding Disorders, University of Texas Medical Branch, Guest Lecturer (4 hours). |
| 2008 | Chalk Talk, Sackler Institute of Graduate Biomedical Sciences, NYU Langone Medical Center. |
| 2011-2020 | Neuroanatomy class for 2 nd year medical students, NYU School of Medicine, Case studies – (4 hours per year). |
| 2012-2014 | Molecular Signaling and Drug Development, class for Sackler graduate students, Dept. of Biochemistry and Molecular Pharmacology, NYU School of Medicine, Lecturer (2 hours). |
| 2014 | Developed a graduate student course entitled Mechanisms of Neurodegeneration (3 credit hours) which is being offered for spring semesters. From 2020, it is 4 credit hours. |
| 2015-present | Mechanisms of Neurodegeneration, NYU Vilcek Graduate School, Course Director and Lecturer (50 hours when sufficient number of students). |
| 2017-present | Disorders of the Nervous System, NYU Vilcek Graduate School, Lecturer (3 hours). |

Mentoring of Graduate Students, Residents, Post-Doctoral Fellows in Research

Under my direct supervision:

Present:

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| Yan Lin | Res. Asst. Professor | 05/11 – present |
| Erin Congdon | Postdoctoral Fellow- Res Asst. Professor | 11/11 – present |
| Changyi Ji | Postdoctoral Fellow | 05/19 – present |
| Yixiang Jiang | Postdoctoral Fellow- Research Scientist | 11/19 - present |
| Alejandro Avila | Postdoctoral Fellow- Research Scientist | 10/20 – present |
| Sudershana Nair | Postdoctoral Fellow | 05/21 – present |
| Amber Tetlow | Postdoctoral Fellow | 05/22 – present |
| Pragati Sharma | Postdoctoral Fellow | 05/23 - present |

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| Xiaofeng Yang | Postdoctoral Fellow | 05/23 - present |
| Geetika Nehru | Postdoctoral Fellow | 03/24 - present |

| Past: | | Present Position |
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| Ayodeji Asuni | Postdoc | 10/03 – 10/06 Principal Scientist |
| Thorir Sigmundsson | Medical Student | 01/04 – 05/04 Anesthesiologist |
| Julie Eng | Medical Student | 06/04 – 09/04 Med. Doctor |
| Johanna Ingadottir | M.Sc. Pharm Student | 01/07 – 05/07 Pharmacist |
| Ricardo Osario | Postdoc | 05/09 – 01/10 Associate Professor |
| Anne Bertrand | Postdoc | 10/08 – 10/10 Radiologist (deseased) |
| Krysti Todd | NYU Grad. Student | 10/09 – 12/09 (rotation) |
| Allal Boutajangout | Postdoc. – Res. Ass. Professor | 07/05 – 09/12 Associate Professor |
| Sarah Cantor | NYU Grad. Student | 09/12 – 12/12 (rotation) |
| Nicolette Cocco | NYU Grad. Student | 09/12 – 12/12 (rotation) |
| Pavan Krisnamurthy | Postdoc – Instructor | 10/07 – 09/13 CSO |
| Jiaping Gu | Postdoctoral Fellow | 07/10 – 02/14 Vice President |
| Devyani Ulja | NYU Grad. Student | 10/12 – 01/14 (rotation) |
| Marien Solesio | Postdoctoral Fellow | 07/13 – 02/14 Assistant Professor |
| Suhail Rasool | Postdoctoral Fellow | 02/12 – 08/14 Principal Scientist |
| Cassidy Reich | NYU Grad. Student | 10/14 – 12/14 (rotation) |
| Megan Gautier | NYU Grad. Student | 01/15 – 04/15 (rotation) |
| Dov Shamir | NYU Grad. Student - Postdoc | 11/11 – 08/17 Assistant Professor |
| S. Krishnaswamy | Postdoctoral Fellow | 01/11 – 02/18 Principal Scientist |
| Yu Ma | MS Graduate Student | 01/17 - 01/18 Graduate Student |
| Qian Wu | Postdoctoral Fellow | 08/15 – 10/19 Principal Scientist |
| Swananda Modak | Postdoctoral Fellow | 09/14 – 11/19 Scientist |
| Leslie S-Beltran | Postdoc– Instructor | 04/18 – 05/20 Science Officer |
| Andie Dodge | Postdoctoral Fellow | 09/20 - 09/21 Scientist |

NYU's Honor's Program dissertation committee:

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| Farrah Sajan | Medical Student | 04/10 |
| Sara Ghobrael | Medical Student | 04/12 |

Ph.D. dissertation committee:

Current:

Committee Chair: Srinidhi Venkatesan Kalavai, NYU Vilcek Institute Neuroscience PhD Student, Topic: The mechanism by which tau affects protein synthesis and whether these changes to translation are causal to the pathological changes seen in tauopathies.

Committee member: Amarachi Oleru, NYU Vilcek Institute Neuroscience PhD Student, Topic: The interactions of immune-checkpoint proteins in the CNS of neurodegenerative disease models and how that mediates neuroinflammation.

Committee member: PeiPei Wu, NYU Vilcek Institute Environmental Medicine PhD Student.

Past:

External Reviewer: Michele Kadnar, NYU Sackler Institute PhD Student, The Complex Prion Domain of Rnq1 Provides Insight into Transmission Barriers and Prion Strain Formation, 2009.

Committee member: Yung Ji, NYU Sackler Institute PhD Student, μ MRI Detection of Amyloid Deposits and Therapeutic Approaches for Their Clearance by Inhibition of ApoE/Amyloid- β Interaction in Alzheimer's Disease, 2010;

Committee member: Erica Chang, NYU Sackler Institute PhD Student, Targeting the Accumulation of Abnormal Protein Conformers as a Therapeutic Approach to Prion and Alzheimer's Diseases, 2011.

Committee Director: Dov Shamir, NYU Sackler Institute PhD Student. Development of human cellular models and multiplexing approaches to clarify the mechanism of action of tau immunotherapies for Alzheimer's disease, 2017.

Committee co-Director: Jessica Chukwu, NYU Sackler Institute PhD Student, Epitope Conformation and Targeting of Phosphorylated Tau Protein, 2018.

Committee member: Paige Leary, NYU Neuroscience PhD Student, Topic: Tau pathology in Zebrafish models, until summer 2021 when the project was pivoted to focus on normal biology instead of tau pathology.

Committee member: Chenyang Li, NYU Vilcek Institute Biomedical Imaging PhD Student, Topic: Vascular dementia/AD and age-related changes in axonal tissue and vascular system using MRI techniques in both human and animal models, 2023.

Committee member: Paul Frazel, NYU Vilcek Institute Neuroscience PhD Student. Topic: Generation and characterization of an ApoJ transgenic mouse, 2024.

Dissertation qualifying exam committee member: Krysti Todd, NYU Sackler Institute PhD Student, Dov Shamir, NYU Sackler Institute Graduate Student, Jessica Chukwu, NYU Sackler Institute Graduate Student, 2011.

Faculty PhD defense opponent: Laura Torres-Garcia, Tau, bridging the gap between Alzheimer's and Parkinson's diseases, Lund University, Lund, Sweden, 2022.

Other mentoring:

1999-present Mentoring high school students (until 2019) and undergraduate college students on laboratory projects.

2000 Mentoring for the "Minority Undergraduate Summer Collaborative Research Program."

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| 2010-present | Mentoring for the Sackler/Vilcek Summer Undergraduate Research Program (SURP). |
| 2017-2018 | Mentoring an NYU M.S. student, Yue Ma, working on a thesis project in my laboratory. |
| 2018-present | Faculty mentoring committee for Adam Mar, Assistant Professor, Department of Neuroscience and Physiology, NYU Grossman School of Medicine. |

Patents

Twenty-one issued in the US from 31 filed patents. In addition, numerous patents and patent applications based on these have issued or been filed in various countries outside the US.