

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

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

Licensure and Certification

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

Academic Appointments

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

1990 Pharmacist, The Pharmacy of Akranes, Akranes, Iceland.

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

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 *Certificate of Special United States Congressional Recognition* in recognition of outstanding and invaluable service to the community.
2009 Recipient of *New York State Senate Citation* 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

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 (O1) Study Section.
2014-present	Lifeboat Foundation, Advisory board.
2015-present	Service on confidential NYU panels selecting institutional nominees for various awards.

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.

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

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

Editorship
2003-2005 Editor, Methods in Molecular Biology, Amyloid Proteins: Methods and Protocols, 1st Edition, Volume 299, Humana Press, Totowa, NJ, January 2005.
2009-2012 Editor, Methods in Molecular Biology, Amyloid Proteins: Methods and Protocols, 2nd Edition, Volume 849, Humana Press, Springer, March 2012.
2016-2018 Editor, Methods in Molecular Biology, Amyloid Proteins: Methods and Protocols, 3rd 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 (formely 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

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

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

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

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).

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:

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

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

Past:		Present Position
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:

Farrah Sajan	Medical Student	04/10
Sara Ghobraiel	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."

- 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.