

Curriculum Vitae

Mehrdad Shamloo, Ph.D.

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Executive Summary

I am an accomplished neuroscientist with over 20 years of executive leadership in neuropharmacology, neuroinflammation, basic and translational science, target identification and validation, and therapeutic development. My career includes groundbreaking contributions to drug discovery and clinical advancements, guiding experimental discoveries into clinical trials, achieving FDA approvals, and securing and managing several hundred million dollars in research and development funding. I founded the Stanford Program for Integrated Neuroscience Technology and the Behavioral and Functional Neuroscience Laboratory, establishing two pioneering organizations dedicated to advancing neuroscience research and therapeutics. As Director of these centers, I oversee and manage a multidisciplinary team of 100 scientists conducting diverse research projects to develop foundational and therapeutic solutions for neurological disorders. My leadership fosters innovation and collaboration across a broad spectrum of neuroscience disciplines. I have pioneered therapies for brain disorders, including neuropsychiatric disorders, Alzheimer's disease (AD), Parkinson's disease (PD), pain, and addiction. My expertise spans the development of innovative platforms for drug discovery, with a particular emphasis on GPCR-targeted therapies for neurological and neuropsychiatric disorders. With over 120 publications and patent applications, my work underscores a steadfast commitment to advancing the field and improving the quality of life for patients affected by neurodegenerative and psychiatric conditions.

Employment History

Director, Stanford Program for Integrated Neuroscience Technology Center (SPrint)

2022 – Present

- Established and directed the multidisciplinary SPrint center at Stanford and secured Brain Initiative funding to establish its success.
- Leading a team of 100 scientists working on diverse projects to advance neurotechnology and therapeutic solutions.
- Driving interdisciplinary collaborations to integrate basic science with translational research.

Professor of Neurosurgery, Comparative Medicine, Neurology, and Neurological Sciences, Stanford University School of Medicine

2012 – Present

- Oversaw translational neuroscience programs focused on AD and PD.
- Directed target validation and preclinical models to optimize drug candidates for clinical trials.
- Authored over 120 publications and patent applications.

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Director, Behavioral and Functional Neuroscience Laboratory (BFNL), Stanford

2007 – Present

- Established and directed the BFNL to create a comprehensive translational research platform.
- Integrated behavioral neuropharmacology with molecular and cellular assessments.
- Directed NIH-funded projects leading to impactful clinical trials for AD and PD therapies.

Associate Director of Preclinical Development, Affymax, Palo Alto, CA

2005 – 2007

- Managed preclinical research for pharmacological agents targeting brain disorders.
 - Led target validation and proof-of-concept studies for multiple therapeutic compounds.
- Team member of Peginesatide development team, supporting the Phase III trial.

Senior Scientist, Program Leader, AGY Therapeutics, Inc., South San Francisco, CA

1999 – 2005 (Associate scientist, Scientist and Senior Scientist)

- Directed pharmacology programs for neurological therapies, including preclinical modeling.
- Collaborated with cross-functional teams to advance drug discovery programs to the development stage.
- Conducted translational research focused on brain disorder treatments.
- Supported the development of early-phase therapeutic candidates.
- Contributed to preclinical pharmacology research on neurodegenerative diseases.
- Supported studies advancing novel therapeutics into preclinical development.

Doctoral Studies, Experimental Brain Research, University of Lund, Sweden

1994 – 1999

- Conducted experimental brain research focused on neuropharmacology.
- Investigated cellular mechanisms underlying ischemic brain disorders.

Awards and Recognitions

- Standing Member – Chronic Dysfunction and Integrative Neurodegeneration Study Section (CDIN), National Institutes of Health (2024 – Present)
- Fellowship – American Neurological Association (2014 – Present)
- AGY Award for contributions to high-quality preclinical studies (2004)
- Membership – Society for Neuroscience (1997 – Present)
- Member – American Society for Pharmacology and Experimental Therapeutics (2019 – Present)

Education

- Ph.D. in Medical Science, School of Medicine, University of Lund, Sweden (Wallenberg Neuroscience Research Center) – 1999
- M.S. in Medical Science, Medical School, University of Lund, Sweden – 1995

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Complete List of Published Work

Available at: [Shamloo Bibliography](#)