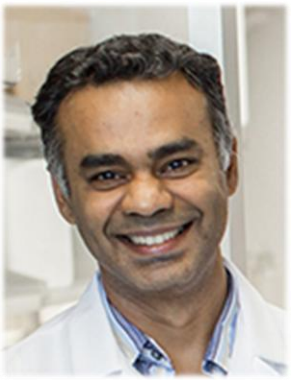
Senthil Radhakrishnan, PhD



Professor & Vice Chair for Research, Department of Pathology
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Education

2014	Postdoctoral Research, California Institute of Technology
2006	PhD, Microbiology & Immunology, University of Illinois at Chicago
2002	MS, Math & Computer Science, University of Illinois at Chicago
1998	B.Tech, Industrial Biotechnology, Anna University, Chennai, India

Selected Awards & Honors

2021	American Cancer Society (ACS) Research Scholar Award
2011	NIH/NCI Pathway to Independence Award (K99/R00)
2011	The Leukemia & Lymphoma Society (LLS) Special Fellow Award
2007	Department of Defense (DoD) Breast Cancer Research Program (BCRP) Multidisciplinary Postdoctoral Award

Recent Grants and Funding

Active

NIH/NCI
R01CA279255 (MPI: Radhakrishnan, Kleiger, Sergienko) 2023 - 2027
Identification of small molecule inhibitors of the DDI2 protease

Former Grants

NIH/NIGMS
R01GM132396 (PI: Radhakrishnan) 2019 - 2025
Nrf1-dependent Proteotoxic Stress Response

American Cancer Society (ACS)
RSG-21-036-01-TBE (PI: Radhakrishnan) 2021 - 2026
Understanding and Targeting Nrf1 Pathway in Triple-negative Breast Cancer

NIH/NIA
R03AG073884 (PI: Radhakrishnan) 2022 - 2025
Analysis of Nrf1 pathway in Alzheimer's Disease

Department of Defense (DoD) Rare Cancers Research Program
W81XWH-22-1-0938 (PI: Radhakrishnan) 2022 - 2024
Targeting the Sumoylation Pathway in Synovial Sarcoma

NIH/NCI
R01CA251405 (co-I: Radhakrishnan; PI: Atfi) 2020 - 2025
Targeting Transglutaminase 2 in cancer cachexia

Grace Science Foundation
Pilot Grant (PI: Radhakrishnan) 2018 - 2020
Investigating the autophagy pathway in NGLY1 deficient cells

NIH/NCI
R00CA154884 (PI: Radhakrishnan) 2014 - 2018
K99/R00 Pathway to Independence Award – Independent Phase Understanding and targeting Nrf1-mediated proteasome recovery pathway in cancer

VCU Massey Cancer Center
ACS-IRG award (PI: Radhakrishnan) 2017 - 2018
Targeting SWI/SNF complex to improve efficacy of proteasome inhibitor therapy

Editorial Advisory Boards

2025 – present	Associate Editor, Molecular Biology of the Cell (MBoC)
2025 – present	Editorial Board Member, Journal of Biological Chemistry (JBC)
2019 – present	Editorial Board Member, Public Library of Science (PLOS) ONE

Professional Service

2024 - present	American Cancer Society; Term member reviewer for Tumor Biochemistry & Endocrinology (TBE) study section (3-year appointment until Dec 2026)
2023 - present	Member of VCU School of Medicine Graduate Programs Committee
2023 - present	Alternate Member, Richmond Veterans Affairs Medical Center (VAMC) Subcommittee on Research Safety (SRS) & Institutional Biosafety Committee (IBC)
2023 - present	Member of Chairs' Interdepartmental Research Collaboration (CIRC) initiative
2024 - 2025	NCI Transition to Independence study section; Chartered member reviewer
2023 - 2024	Member of Search Committee to recruit Chair of Pathology at VCU
2021 - present	Vice Chair of the VCU Institutional Animal Care & Use Committee (IACUC)
2019 - 2020	Chair of Search Committee to recruit a faculty member for the Dept of Pathology
2018 - present	Scientist Member of the VCU IACUC
2018 - present	Chair for the Dept of Pathology "Grants in Progress" meetings where faculty members present their grant proposals and receive feedback
2016 - 2018	Member of Search Committee to recruit a Chair for Division of Cellular & Molecular Pathogenesis, Dept of Pathology
2015 - 2017	Member of Search Committee to recruit Pathology Informaticist for Dept of Pathology

Recent Invited Presentations

2024	Regulation of cellular proteolytic pathways by transcription factor Nrf1: Implications for Tau aggregates in Alzheimer's Disease. New Investigators in Alzheimer's Disease Conference, Bethesda, MD
2023	Transcription factor Nrf1 regulates proteotoxic stress-induced autophagy. Grace Science Foundation meeting (Virtual)
2022	Regulation of cellular proteolytic pathways by transcription factor Nrf1. Fels Institute for Cancer Research & Molecular Biology, Temple University, Philadelphia, PA
2020	Transcriptional Regulation of the Proteasome: Implications for Cancer Therapy. Cell & Experimental Biology Conference (Virtual)
2018	Targeting the Nrf1-mediated proteasome recovery pathway in cancer. Discovery on Target conference, Boston, MA
2018	Nrf1-dependent protein quality control pathways in NGLY1-deficient cells. Grace Science Foundation conference, Palo Alto, CA

Publications

Complete List of Published Work in MyBibliography
https://www.ncbi.nlm.nih.gov/myncbi/senthil%20kumar.radhakrishnan.1/bibliography/public/