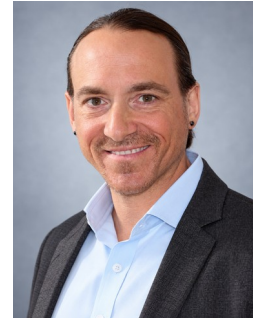


George J. Murphy, PhD

Scientist | Professor of Medicine | Host of The ReProgram

George J. Murphy, PhD, is a Professor of Medicine at Boston University Chobanian & Avedisian School of Medicine, and a co-founder and founding co-director of the Center for Regenerative Medicine (CRoM) at Boston University and Boston Medical Center.



His research brings together stem-cell biology, regenerative medicine, and the study of exceptional longevity. Using human cellular models, his laboratory investigates how some people resist age-related disease and how those protective mechanisms might inform future therapies. He also hosts The ReProgram, a podcast examining aging biology, longevity, and regenerative medicine through evidence-based conversations with scientists.

Murphy earned his doctorate in Molecular and Cellular Biology at the University of Oxford, where he was the Mary Lundt Scholar in Biology. He completed postdoctoral training in Richard C. Mulligan's laboratory at Harvard Medical School and Children's Hospital Boston, working on stem-cell and gene-based approaches to blood, immune, and musculoskeletal disorders. He joined Boston University as an independent researcher in 2010.

His honors include an American Society of Hematology Scholar Award, a National Blood Foundation fellowship, and a National Academy of Medicine Healthy Aging Catalyst Award. His research and perspectives have appeared in Nature, Newsweek, The Boston Globe, and USA Today. He has also spoken at TEDxBoston, including his talk "Centenarians in a dish: studying the secrets of exceptional longevity," and TEDxBeaconStreet and appeared in video features for CBS Boston and LabTV.

Across his research and public communication, Murphy focuses on a practical question: how can understanding resilience to disease help extend the years people remain healthy and capable?

thereprogrampodcast@gmail.com

Biographies for media use

Short biography

George J. Murphy, PhD, is a Boston University professor, stem-cell researcher, and host of The ReProgram. His work examines regenerative medicine, exceptional longevity, and resilience to age-related disease. He helps audiences understand what aging research demonstrates, where uncertainty remains, and how discoveries in human cells might translate into future therapies.

Standard biography

George J. Murphy, PhD, is a Professor of Medicine at Boston University, and a co-founder of the Center for Regenerative Medicine at Boston University and Boston Medical Center. His laboratory uses human stem-cell models to investigate exceptional longevity and resilience to age-related disease. An Oxford-trained scientist, he hosts The ReProgram, exploring aging biology and regenerative medicine through evidence-based conversations. His honors include awards from the American Society of Hematology and the National Academy of Medicine, and his work has been featured in Nature, Newsweek, The Boston Globe, and USA Today.

Selected media and appearances

[TEDxBoston | Centenarians in a dish: studying the secrets of exceptional longevity](#)

[Newsweek | Centenarian stem-cell research | 2024](#)

[Nature | Centenarian stem cells and longevity | 2024](#)

[The Brink at Boston University | The Secrets of Living to 100 | 2024](#)

[The Boston Globe | Centenarians and Alzheimer's resilience | 2023](#)

[USA Today | Research into exceptional longevity | 2023](#)

[TEDxBeaconStreet | Access to regenerative medicine | 2020](#)

[The Boston Globe | Art and research at CReM | 2019](#)

[CBS Boston | Blood disorders and stem-cell research | 2017](#)

[LabTV | Stem cells and regenerative medicine | 2015](#)

[Murphy Laboratory | CReM | BU faculty profile](#)