SSBH 2021 Curriculum Vitae	
Name	**Nathan K. LeBrasseur**
Organization	**Mayo Clinic**
Position & Title	**Professor & Co-Chair of Research, Department of Physical Medicine & Rehabilitation** **Co-Director, Paul F. Glenn Center for Biology of Aging Research at Mayo Clinic**

Educational background & Professional experience	
2020-	Scientific Director, Office of Translation to Practice
2020-	Co-Director, Paul F. Glenn Laboratories for Cellular Senescence
2019-	Professor, Department of PM&R
2018-	Associate Professor, Department of P&BME
2015-	Director, Medical Rehabilitation, Rehabilitation Medicine Research Center
2015-	Director, Healthy Aging & Independent Living Program, Kogod Center on Aging
2015-	Consultant, Department of PM&R and Department of P&BME
2013-2020	Associate Director, Paul F. Glenn Laboratories for Cellular Senescence
2013-	Co-Chair of Research, Department of PM&R
2010-	Director, Muscle Performance and Physical Function Lab, Center for Clinical and Translational Sciences
2010-	Director, Mouse Healthspan Assessment Laboratory, Kogod Center on Aging
2010-2019	Associate Professor, Department of Physical Medicine & Rehabilitation (PM&R)
2010-2018	Assistant Professor, Department of Physiology & Biomedical Engineering (P&BME)
2010-2015	Senior Associate Consultant, Department of PM&R and Department of P&BME

Research Interests

Nathan LeBrasseur, PT, PhD, is a Consultant, Professor, and the Co-Chair of Research in the Department of Physical Medicine and Rehabilitation at Mayo Clinic. Dr. LeBrasseur directs the Healthy Aging and Independent Living Program in the Robert and Arlene Kogod Center on Aging, is Co-Director of the Paul F. Glenn Center for Biology of Aging Research at Mayo Clinic, and serves as the Scientific Director of the Office of Translation to Practice. His laboratory conducts translational "bench-to-bedside" research on strategies to improve physical function, metabolism, and resilience in the face of aging and disease. His latest work has centered on cellular senescence, a biological mechanism that underlies aging, and interventions to counter this process and, in turn, optimize later life health and function. Dr. LeBrasseur has recently received the Glenn Award for Research in Biological Mechanisms of Aging, the Nathan W. Shock Award

from the National Institute on Aging, and the Vincent Cristofalo Rising Star Award in Aging Research from the American Federation for Aging Research.

Publications

1. LeBrasseur NK, de Cabo R, Fielding RA, Ferrucci L, Rodriguez-Manas L, Vina J, Vellas B. Identifying Biomarkers for Biological Age: Geroscience and the ICFSR Task Force Journal of Frailty and Aging. 2021. Epub 2021 Mar 08. DOI: 10.14283

2. Schafer MJ*, Zhang X*, Kumar A*, Atkinson EJ, Zhu Y, Jachim S*, Mazula DL, Brown AK*, Berning M, Aversa Z*, Kotajarvi B, Bruce CJ, Greason KL, Suri RM, Tracy RP, Cummings SR, White TA, LeBrasseur NK. The senescence-associated secretome as an indicator of age and medical risk. JCI Insight. 2020 Jun 18; 5 (12) Epub 2020 June 18 PMID: 32554926 PMCID: 7406245 DOI: 10.1172/jci.insight.133668

3. Schafer MJ, DL Mazula, AK Brown, TA White, E Atkinson, VM Pearsall, Z Aversa, GC Verzosa, LA Smith, A Matveyenko, JD Miller, NK LeBrasseur. Late-life time-restricted feeding and exercise differentially alter healthspan in obesity. *Aging Cell*, 21: e12966, 2019.

4. Aversa Z, X Zhang X, RA Fielding, I Lanza, NK LeBrasseur. The clinical Impact and biological mechanisms of skeletal muscle aging. *Bone*, 127:26-36, 2019.

5. Schafer MJ, White TA, Iijima K, Haak AJ, Ligresti G, Atkinson EJ, Oberg AL, Birch J, Salmonowicz H, Zhu Y, Mazula DL, Brooks RW, Fuhrmann-Stroissnigg H, Pirtskhalava T, Prakash YS, Tchkonia T, Robbins PD, Aubry MC, Passos JF, Kirkland JL, Tschumperlin DJ, Kita H, LeBrasseur NK. Cellular senescence mediates fibrotic pulmonary disease. Nat Commun. 2017 Feb 23; 8:14532 PMID: 28230051 PMCID: 5331226 DOI: 10.1038/ncomms14532

6. Schafer MJ, Atkinson EJ, Vanderboom PM, Kotajarvi B, White TA, Moore MM, Bruce CJ, Greason KL, Suri RM, Khosla S, Miller JD, Bergen HR 3rd, LeBrasseur NK. Quantification of GDF11 and Myostatin in Human Aging and Cardiovascular Disease. Cell Metab. 2016 Jun 14; 23 (6):1207-1215 PMID: 27304512 PMCID: 4913514 DOI: 10.1016/j.cmet.2016.05.023

7. Schafer MJ, White TA, Evans G, Tonne JM, Verzosa GC, Stout MB, Mazula DL, Palmer AK, Baker DJ, Jensen MD, Torbenson MS, Miller JD, Ikeda Y, Tchkonia T, van Deursen JM, Kirkland JL, LeBrasseur NK. Exercise Prevents Diet-Induced Cellular Senescence in Adipose Tissue. Diabetes. 2016 Jun; 65 (6):1606-15 Epub 2016 Mar 16 PMID: 26983960 PMCID: 4878429 DOI: 10.2337/db15-0291