

SSBH 2021 Curriculum Vitae

Name	Mark W. Hamrick, Ph.D.
Organization	Medical College of Georgia, Augusta University
Position & Title	Regent's Professor, George Weiss Research Professor, Senior Associate Dean for Research

Educational background & Professional experience

Professional Experience:

- 2020-present Senior Associate Dean for Research, Medical College of Georgia, Augusta University.
- 2009-present Regent's Professor (tenured), George W. Weiss Research Professor, Department of Cellular Biology & Anatomy, Medical College of Georgia, Augusta University.
- 2002-2009 Associate Professor, Medical College of Georgia.
- 1997-2002 Assistant Professor, Kent State University.

Educational Background:

- 1995-1997 Postdoctoral, Duke University Medical Center, Anatomy.
- 1995 Ph.D. Cellular & Integrative Biology, Northwestern University.
- 1991 B.A. Anthropology, University of Colorado-Boulder.

Research Interests

My primary area of interest is in the biological mechanisms underlying muscle and bone loss with aging and disuse, including mechanisms of muscle-bone crosstalk.

Publications

Hamrick MW, Stranahan AM (2020). Metabolic regulation of aging and age-related disease. *Ageing Res Rev.* 64:101175.

Jang IY, Park JH, Kim JH, Lee S, Lee E, Lee JY, Park SJ, Kim DA, Hamrick MW, Kim BJ (2020). The association of circulating kynurenine, a tryptophan metabolite, with frailty in older adults. *Ageing* 12(21):22253-22265.

Kaiser H, Yu K, Pandya C, Mendhe B, Isales CM, McGee-Lawrence M, Johnson M, Fulzele S, Hamrick MW (2019). Kynurenine, a tryptophan metabolite that increases with age, induces muscle atrophy and lipid peroxidation. *Oxidative Medicine & Cellular Longevity* doi.org/10.1155/2019/9894238.

Kim BJ, Hamrick MW, Yoo HJ, Lee SH, Kim SJ, Koh JM, Isales CM (2019). The detrimental effects of kynurenine, a tryptophan metabolite, on human bone metabolism. *J Clin Endocrinol Metab.* doi: 10.1210/jc.2018-02481.

Kaiser H, Parker E, Hamrick MW (2019). Kynurenine signaling through the aryl hydrocarbon receptor: Implications for aging and healthspan. *Exp Gerontol*. Nov 28;130:110797.

Bettis T, Kim BJ, Hamrick MW (2018). Impact of muscle atrophy on bone metabolism and bone strength: implications for muscle-bone crosstalk with aging and disuse. *Osteoporosis International* 29:1713-1720.

Murphy C, Withrow J, Hunter M, Liu Y, Tang YL, Fulzele S, Hamrick MW (2017). Emerging role of extracellular vesicles in musculoskeletal diseases. *Molecular Aspects of Medicine* 60:123-128.
