Publications

2012-

Eastell R, Vittinghoff E, Lui LY, Ewing SK, Schwartz AV, Bauer DC, Black DM, Bouxsein ML. Diabetes Mellitus and the Benefit of Antiresorptive Therapy on Fracture Risk. J Bone Miner Res. 2022 Nov;37(11):2121-2131.

1992 Research Interests

understanding how skeletal loading contributes to fracture risk.

2005 Fuller Albright Award, American Society of Bone and Mineral Research 2000-2013 Assistant Professor, Dept of Orthopedic Surgery, Harvard Medical School, Boston PhD, Mechanical Engineering, Stanford University, Stanford, CA As a biomechanical engineer, my research focuses on understanding the biomechanical underpinnings of skeletal fragility, as well as the musculoskeletal response to altered loading conditions, including spaceflight. My work ranges from animal models to large cohort studies in humans. I have keen interest in applying

novel imaging techniques to estimate bone strength in humans and improve the prediction of fracture risk in osteoporosis. We are also interested in the risk factors and biomechanical factors that contribute to increased risk of stress fracture in athletes, particularly military personnel. Finally, we have a longstanding interest in

Faculty Member, Harvard-MIT Health Sciences and Technology Program

| Educational Background & Professional Experience | |
|--|---|
| 2022-2023 | President, American Society for Bone and Mineral Research |
| 2022- | Director, Office for Research Careers, Center for Faculty |
| | Development, MGH |
| 2021 | Adele Boskey Award, American Society for Bone and Mineral Research |
| 2019 | Thomas A. McMahon Mentorship Award, Harvard-MIT Health Sciences & |
| | Technology Program |
| 2018- | Professor, Dept of Orthopedic Surgery, Harvard Medical School, Boston |
| 2016-2019 | Board Member, International Osteoporosis Foundation |
| 2016 | A. Clifford Barger Excellence in Mentorship Award, Harvard Medical School |
| 2015-2018 | Council Member, American Society of Bone and Mineral Research |
| 2015 | Fellow, American Institute for Medical and Biological Engineering (AIMBE) |
| 2014-2018 | Associate Professor, Dept of Orthopedic Surgery, Harvard Medical School, Boston |
| 2013-2018 | Associate Editor, Journal of Bone and Mineral Research |



Curriculum Vitae

Mary L. Bouxsein

SRH 2023