

**The George Washington University School of Medicine & Health Sciences
CURRICULUM VITAE**

1. PERSONAL DATA

Name	Laura Lowe Tosi
GWID	#G10266888
Office Address	Department of Pediatric Orthopaedic Surgery Children's National Hospital (CNH) 111 Michigan Avenue, NW Washington, DC 20010
Office telephone	(202) 476-4063
Fax	(202) 476-4613
E-mail address	LTOSI@childrensnational.org

2. EDUCATION

Undergraduate Education

06/1971	BA, Boston University
---------	-----------------------

Graduate/Medical Education

1973 - 1974	Kennedy School of Government (Harvard), completed course work, Masters of Public Policy
-------------	---

06/1977	MD, Harvard University
---------	------------------------

Post-Graduate Training

1977 – 1978	Internal Medicine Internship Columbia Presbyterian Medical Center, New York
-------------	---

1978 – 1979	Internal Medicine Residency Columbia Presbyterian Medical Center, New York
-------------	--

1979 – 1980	General Surgery Residency Columbia Presbyterian Medical Center, New York
-------------	--

1980 – 1983	Orthopaedic Surgery Residency New York Orthopaedic Hospital Columbia Presbyterian Medical Center, New York
-------------	---

1983 – 1984	Pediatric Orthopaedics Fellowship The Hospital for Sick Children, Toronto, Ontario, Canada
-------------	--

1992 Mini sabbatical
Rehabilitation Medicine Department
National Institutes of Health
Bethesda, Maryland
(project on osteogenesis imperfecta)

3. EMPLOYMENT

1970 - 1971 Research Assistant, Marine Biological Laboratory
Woods Hole, Massachusetts (Part-time)

1984 – Current Orthopaedic Surgeon
Children's National Hospital (CNH)

1984 - Current Orthopaedic Surgeon, Handicapped and Crippled
Children's Unit,
DC General Hospital

2003 - Current Director, Pediatric Bone Health Program, Children's
National Hospital

Faculty Appointments

07/01/1997 – Current Associate Professor of Orthopaedic Surgery and
Pediatrics at the George Washington University School of
Medicine and Health Sciences

08/01/1984 - 06/30/1997 Assistant Professor of Orthopaedic Surgery and
Pediatrics at the George Washington University School of
Medicine and Health Sciences

07/01/1984 - 07/31/1984 Clinical Instructor of Orthopaedic Surgery at the George
Washington University School of Medicine and Health
Sciences

4. SCHOLARLY PUBLICATIONS

Papers in Refereed Journals

- 1 **Tosi LL**, Detsky AS, Roye DP, Morden ML. When does mass screening for open neural tube defects in low-risk pregnancies result in cost savings? CMAJ. 1987 Feb 1;136(3):255-65. PMID: 2433011; PMCID: PMC1491584.
- 2 Shaer CM, Slater JE, Mostello LA, **Tosi LL**. Rubber-specific IgE in children with spina bifida: identification and management. Eur J Pediatr Surg. 1992 Dec;2 Suppl 1:36-7. PMID: 1489746.
- 3 **Tosi LL**, Slater JE, Shaer C, Mostello LA. Latex allergy in spina bifida patients: prevalence and surgical implications. J Pediatr Orthop. 1993 Nov-Dec;13(6):709-12. doi: 10.1097/01241398-199311000-00003. PMID: 8245192.
- 4 **Tosi LL**, Slater JE, Shaer CM, Mostello LA. The surgical implications of latex sensitivity in children with spina bifida. Eur J Pediatr Surg. 1993 Dec;3 Suppl 1:34. PMID: 8130154.

- 5 Buckley S, Gotschall C, Robertson W, Sturm P, **Tosi L**, Thomas M, Eichelberger M. The Relationships of Skeletal Injuries with Trauma Score, Injury Severity Score, Length of Hospital Stay, Hospital Charges, and Mortality in Children Admitted to a Regional Pediatric Trauma Center. *J Pediatr Orthop* 14:449-453, 1994. PubMed PMID: 8077425.
- 6 McHale KA, Tenuta JJ, **Tosi LL**, McKay DW. Percutaneous intramedullary fixation of long bone deformity in severe osteogenesis imperfecta. *Clin Orthop Relat Res.* 1994 Aug;(305):242-8. PMID: 8050236.
- 7 Buckley SL, Sturm PF, **Tosi LL**, Thomas MD, Robertson WW Jr. Ligamentous instability of the knee in children sustaining fractures of the femur: a prospective study with knee examination under anesthesia. *J Pediatr Orthop.* 1996 Mar-Apr;16(2):206-9. doi: 10.1097/00004694-199603000-00014. PMID: 8742286.
- 8 **Tosi LL**, Buck BD, Nason SS, McKay DW. Dislocation of hip in myelomeningocele. The McKay hip stabilization. *J Bone Joint Surg Am.* 1996 May;78(5):664-73. doi: 10.2106/00004623-199605000-00005. PMID: 8642022.
- 9 **Tosi LL**. Osteogenesis imperfecta. *Curr Opin Pediatr.* 1997 Feb;9(1):94-9. doi: 10.1097/00008480-199702000-00019. PMID: 9088762.
- 10 Gross RH, Armstrong PF, Moreland MS, Robertson WW Jr, Thompson GH, **Tosi LL**. Proposed curriculum model for resident education in pediatric orthopaedic surgery. *Clin Orthop Relat Res.* 1997 May;(338):52-9. doi: 10.1097/00003086-199705000-00008. PMID: 9170362.
- 11 Sarafova A, Choi H, Forlino A, Gajko A, Cabral W, **Tosi L**, Reing C, Marini J. Three Novel Type I Collagen Mutations in Osteogenesis Imperfecta Type IV Proband Are Associated With Discrepancies Between Electrophoretic Migration of Osteoblast and Fibroblast Collagen. *Hum Mutat*, 11:395-403, 1998. PubMed PMID: 9600458.
- 12 Daltroy L, Liang M, Fossel A, Goldberg M, **Pediatric Outcomes Development Group (member)**. The POSNA Pediatric Musculoskeletal Functional Health Questionnaire: Report on Reliability, Validity, and Sensitivity to Change. *J Pediatr Orthop* 18:561-571, 1998. PubMed PMID: 9746401.
- 13 **Tosi LL**, Lane JM. Osteoporosis prevention and the orthopaedic surgeon: when fracture care is not enough. *J Bone Joint Surg Am.* 1998 Nov;80(11):1567-9. doi: 10.2106/00004623-199811000-00001. PMID: 9840623.
- 14 **Tosi LL**, Mankin HJ. Ensuring the success of women in academic orthopaedics. *Clin Orthop Relat Res.* 1998 Nov;(356):254-63. doi: 10.1097/00003086-199811000-00034. PMID: 9917692.
- 15 **Tosi LL**. Women and the orthopaedic surgeon. Changing the relationship. *Clin Orthop Relat Res.* 2000 Mar;(372):17-31. doi: 10.1097/00003086-200003000-00004. PMID: 10738411. /JBJS.E.00218. PMID: 15995134.
- 16 Babcock DS, Hernandez RJ, Kushner DC, Cohen HL, Gelfand MJ, McAlister WH, Parker BR, Royal SA, Slovis TL, Smith WL, Strain JD, Strife JL, **Tosi L**. Developmental dysplasia of the hip. American College of Radiology. ACR Appropriateness Criteria. *Radiology* Jun;215 Suppl:819-27, 2000. PubMed PMID: 11037505.

17. Bouxsein M, Kaufman J, **Tosi L**, Cummings S, Lane J, Johnell O. Recommendations for Optimal Care of the Fragility Fracture Patient to Reduce the Risk of Future Fracture. *J Am Acad Orthop Surg* 12(6):385-395, 2004. PubMed PMID: 15615504.
18. Tosi **LL**, Kyle RF. Fragility fractures: the fall and decline of bone health. Commentary on "Interventions to improve osteoporosis treatment following hip fracture" by Gardner et Al. *J Bone Joint Surg Am*. 2005 Jan;87(1):1-2. doi: 10.2106/JBJS.D.02881. PMID: 15634807.
19. Dietz FR, Cole WG, **Tosi LL**, Carroll NC, Werner RD, Comstock D, Murray JC. A search for the gene(s) predisposing to idiopathic clubfoot. *Clin Genet*. 2005 Apr;67(4):361-2. doi: 10.1111/j.1399-0004.2005.00407.x. PMID: 15733275; PMCID: PMC2082112.
20. **Tosi LL**, Boyan BD, Boskey AL. Does sex matter in musculoskeletal health? The influence of sex and gender on musculoskeletal health. *J Bone Joint Surg Am*. 2005 Jul;87(7):1631-47. doi: 10.2106.
21. Tosi **LL**, Hirsch SA, Koval KJ, Mercado SE, Bigliani LU. Leadership in Orthopaedics: Taking a stand to own the Bone: American Orthopaedic Association Position Paper. *J Bone Joint Surg Am* 87-A:1389-1391, 2005.
22. Boden SD, Einhorn TA, Morgan TS, **Tosi LL**, Weinstein JN. An AOA critical issue. The future of the orthopaedic surgeon-proceduralist or keeper of the musculoskeletal system? *J Bone Joint Surg Am*. 2005 Dec;87(12):2812-21. doi: 10.2106/JBJS.E.00791. PMID: 16322633.
23. Thomas T, Feron JM, Delmas PD, Kaufman J, **Tosi L**, Cummings S, Lane J, Johnell O, Bouxsein ML. [Optimal management of patients with stress fractures and the role of the orthopedic surgeon in reducing the risk of new fractures]. *Rev Chir Orthop Reparatrice Appar Mot*. 2006 Apr;92(2):165-74. Review. French. PubMed PMID:16800073.
24. **Tosi LL**, Boyan BD, Boskey AL. Does sex matter in musculoskeletal health? A workshop report. *Orthop Clin North Am*. 2006 Oct;37(4):523-9. doi: 10.1016/j.ocl.2006.09.011. PMID: 17141008.
25. Gordon CM, Bachrach LK, Carpenter TO, Crabtree N, El-Hajj Fuleihan G, Kutilek S, Lorenc RS, **Tosi LL**, Ward KA, Ward LM, Kalkwarf HJ. Dual energy X-ray absorptiometry interpretation and reporting in children and adolescents: the 2007 ISCD Pediatric Official Positions. *J Clin Densitom*. 2008 Jan-Mar;11(1):43-58. doi: 10.1016/j.jocd.2007.12.005. PMID: 18442752.
26. **Tosi LL**, Gliklich R, Kannan K, Koval KJ. The American Orthopaedic Association's "own the bone" initiative to prevent secondary fractures. *J Bone Joint Surg Am*. 2008 Jan;90(1):163-73. doi: 10.2106/JBJS.G.00682. PMID: 18171971.
27. **Tosi LL**. Fragility fractures in older patients: reducing the risk. *Int J Clin Pract*. 2008 Mar;62(3):357-8. doi: 10.1111/j.1742-1241.2007.01695.x. PMID: 18261069.
28. Contractor D, Amling J, Brandoli C, **Tosi LL**. Negative pressure wound therapy with reticulated open cell foam in children: an overview. *J Orthop Trauma*. 2008 Nov-Dec;22(10 Suppl):S167-76. doi: 10.1097/BOT.0b013e318188e295. PMID: 19034165.
29. Templeton KJ, Hame SL, Hannafin JA, Griffin LY, **Tosi LL**, Shields NN. Sports injuries in women: sex- and gender-based differences in etiology and prevention. *Instr Course Lect*. 2008;57:539-52. PMID: 18399608.

- 30 Gehrig LM, Collinge C, Kaufman J, Lane JM, O'Connor MI, **Tosi LL**. Osteoporosis: management and densitometry for orthopaedic surgeons. *Instr Course Lect*. 2009;58:805-15. PMID: 19385588.
- 31 **Tosi LL**, Maher N, Moore DW, Goldstein M, Aisen ML. Adults with cerebral palsy: a workshop to define the challenges of treating and preventing secondary musculoskeletal and neuromuscular complications in this rapidly growing population. *Dev Med Child Neurol*. 2009 Oct;51 Suppl 4:2-11. doi: 10.1111/j.1469-8749.2009.03462.x. PMID: 19740204.
- 32 Devaney JM, **Tosi LL**, Fritz DT, Gordish-Dressman HA, Jiang S, Orkunoglu-Suer FE, Gordon AH, Harmon BT, Thompson PD, Clarkson PM, Angelopoulos TJ, Gordon PM, Moyna NM, Pescatello LS, Visich PS, Zoeller RF, Brandoli C, Hoffman EP, Rogers MB. Differences in fat and muscle mass associated with a functional human polymorphism in a post-transcriptional BMP2 gene regulatory element. *J Cell Biochem*. 2009 Aug 15;107(6):1073-82. doi: 10.1002/jcb.22209. PMID: 19492344; PMCID: PMC4147943.
- 33 Ryan LM, Brandoli C, Freishtat RJ, Wright JL, **Tosi L**, Chamberlain JM. Prevalence of vitamin D insufficiency in African American children with forearm fractures: a preliminary study. *J Pediatr Orthop*. 2010 Mar;30(2):106-9. PubMed PMID: 20179554; PubMed Central PMCID: PMC2847369.
- 34 Harmon BT, Orkunoglu-Suer EF, Adham K, Larkin JS, Gordish-Dressman H, Clarkson PM, Thompson PD, Angelopoulos TJ, Gordon PM, Moyna NM, Pescatello LS, Visich PS, Zoeller RF, Hubal MJ, **Tosi LL**, Hoffman EP, Devaney JM. CCL2 and CCR2 variants are associated with skeletal muscle strength and change in strength with resistance training. *J Appl Physiol* (1985). 2010 Dec;109(6):1779-85. doi: 10.1152/jappphysiol.00633.2010. Epub 2010 Oct 14. PMID: 20947712; PMCID: PMC3006412.
- 35 Devaney JM, Gordish-Dressman H, Harmon BT, Bradbury MK, Devaney SA, Harris TB, Thompson PD, Clarkson PM, Price TB, Angelopoulos TJ, Gordon PM, Moyna NM, Pesca LS, Visich PS, Zoeller RF, Seip RL, Seo J, Kim BH, **Tosi LL**, Garcia M, Li R, Zmuda J, Delmonico MJ, Lindsay RS, Howard BV, Kraus WE, Hoffman EP. AKT1 polymorphisms are associated with risk for metabolic syndrome. *Hum Genet*. 2011 Feb;129(2):129-39. doi: 10.1007/s00439-010-0910-8. PMID: 21061022; PMCID: PMC3020305.
- 36 Neuman MD, Kennelly AM, **Tosi LL**. Breakout session: Sex/Gender and racial/ethnic disparities in the care of osteoporosis and fragility fractures. *Clin Orthop Relat Res*. 2011 Jul;469(7):1936-40. doi: 10.1007/s11999-011-1859-1. PMID: 21424834; PMCID: PMC3111803.
- 37 Lindhurst MJ, Sapp JC, Teer JK, Johnston JJ, Finn EM, Peters K, Turner J, Cannons JL, Bick D, Blakemore L, Blumhorst C, Brockmann K, Calder P, Cherman N, Deardorff MA, Everman DB, Golas G, Greenstein RM, Kato BM, Keppler-Noreuil KM, Kuznetsov SA, Miyamoto RT, Newman K, Ng D, O'Brien K, Rothenberg S, Schwartzenuber DJ, Singhal V, Tirabosco R, Upton J, Wientroub S, Zackai EH, Hoag K, Whitewood-Neal T, Robey PG, Schwartzberg PL, Darling TN, **Tosi LL**, Mullikin JC, Biesecker LG. A mosaic activating mutation in AKT1 associated with the Proteus syndrome. *N Engl J Med*. 2011 Aug 18;365(7):611-9. doi: 10.1056/NEJMoa1104017. Epub 2011 Jul 27. PMID: 21793738; PMCID: PMC3170413.
- 38 Shams J, Spitzer AB, Kennelly AM, **Tosi LL**. Bone quality: educational tools for patients, physicians, and educators. *Clin Orthop Relat Res*. 2011 Aug;469(8):2248-59. doi: 10.1007/s11999-011-1809-y. PMID: 21400004; PMCID: PMC3126939.

- 39 Singer SA, Chamberlain JM, **Tosi LL**, Teach SJ, Ryan LM. Association between upper extremity fractures and weight status in children. *Pediatr Emerg Care*. 2011 Aug;27(8):717-22. PubMed PMID: 21811198; PubMed Central PMCID: PMC3152692.
- 40 **Tosi LL**, Sapp JC, Allen ES, O'Keefe RJ, Biesecker LG. Assessment and management of the orthopedic and other complications of Proteus syndrome. *J Child Orthop*. 2011 Oct;5(5):319-27. doi: 10.1007/s11832-011-0350-6. Epub 2011 May 28. PMID: 23024722; PMCID: PMC3179535.
- 41 Lindhurst MJ, Parker VE, Payne F, Sapp JC, Rudge S, Harris J, Witkowski AM, Zhang Q, Groeneveld MP, Scott CE, Daly A, Huson SM, **Tosi LL**, Cunningham ML, Darling TN, Geer J, Gucev Z, Sutton VR, Tziotzios C, Dixon AK, Helliwell T, O'Rahilly S, Savage DB, Wakelam MJ, Barroso I, Biesecker LG, Semple RK. Mosaic overgrowth with fibroadipose hyperplasia is caused by somatic activating mutations in PIK3CA. *Nat Genet*. 2012 Jun 24;44(8):928-33. doi: 10.1038/ng.2332. PMID: 22729222; PMCID: PMC3461408.
- 42 Ryan LM, Chamberlain JM, Singer SA, Wood R, **Tosi LL**, Freishtat RJ, Gordish-Dressman H, Teach SJ, Devaney JM. Genetic influences on vitamin D status and forearm fracture risk in African American children. *J Investig Med*. 2012 Aug;60(6):902-6. doi: 10.2310/JIM.0b013e3182567e2a. PMID: 22613962; PMCID: PMC3404230.
- 43 Ryan LM, Teach SJ, Singer SA, Wood R, Freishtat R, Wright JL, McCarter R, **Tosi LL**, Chamberlain JM. Bone mineral density and vitamin D status among African American children with forearm fractures. *Pediatrics*. 2012 Sep;130(3):e553-60. doi: 10.1542/peds.2012-0134. Epub 2012 Aug 27. PubMed PMID: 22926174; PubMed Central PMCID: PMC3428759.
- 44 Boyan BD, **Tosi L**, Coutts R, Enoka R, Hart DA, Nicolella DP, Berkley K, Sluka K, Kwoh K, O'Connor MI, Kohrt W. Sex differences in osteoarthritis of the knee. *J Am Acad Orthop Surg*. 2012 Oct;20(10):668-9. doi: 10.5435/JAAOS-20-10-668. Review. PubMed PMID: 23027696.
- 45 Sluka KA, Berkley KJ, O'Connor MI, Nicolella DP, Enoka RM, Boyan BD, Hart DA, Resnick E, Kwoh CK, **Tosi LL**, Coutts RD, Kohrt WM. Neural and psychosocial contributions to sex differences in knee osteoarthritic pain. *Biol Sex Differ*. 2012 Dec 17;3(1):26. doi: 10.1186/2042-6410-3-26. PMID: 23244577; PMCID: PMC3583673.
- 46 Nicolella DP, O'Connor MI, Enoka RM, Boyan BD, Hart DA, Resnick E, Berkley KJ, Sluka KA, Kwoh CK, **Tosi LL**, Coutts RD, Havill LM, Kohrt WM. Mechanical contributors to sex differences in idiopathic knee osteoarthritis. *Biol Sex Differ*. 2012 Dec 23;3(1):28. doi: 10.1186/2042-6410-3-28. PMID: 23259740; PMCID: PMC3560206.
- 47 Boyan BD, **Tosi LL**, Coutts RD, Enoka RM, Hart DA, Nicolella DP, Berkley KJ, Sluka KA, Kwoh CK, O'Connor MI, Kohrt WM, Resnick E. Addressing the gaps: sex differences in osteoarthritis of the knee. *Biol Sex Differ*. 2013 Feb 4;4(1):4. doi: 10.1186/2042-6410-4-4. PMID: 23374401; PMCID: PMC3571922.
- 48 Boyan BD, Hart DA, Enoka RM, Nicolella DP, Resnick E, Berkley KJ, Sluka KA, Kwoh CK, **Tosi LL**, O'Connor MI, Coutts RD, Kohrt WM. Hormonal modulation of connective tissue homeostasis and sex differences in risk for osteoarthritis of the knee. *Biol Sex Differ*. 2013 Feb 4;4(1):3. doi: 10.1186/2042-6410-4-3. PMID: 23374322; PMCID: PMC3583799.
- 49 Sprouse C, **Tosi L**, Stapleton E, Gropman AL, Mitchell FL, Peret R, Sadeghin T, Haskell K, Samango-Sprouse CA. Musculoskeletal anomalies in a large cohort of boys with 49, XXXXY.

Am J Med Genet C Semin Med Genet. 2013 Feb 15;163(1):44-9. doi: 10.1002/ajmg.c.31354. PubMed PMID: 23359596.

- 50 Ottolini K, Harris AB, Amling JK, Kennelly AM, Phillips LA, **Tosi LL**. Wound care challenges in children and adults with spina bifida: an open-cohort study. *J Pediatr Rehabil Med*. 2013;6(1):1-10. doi: 10.3233/PRM-130231. PMID: 23481886.
- 51 Sprouse C, Gordish-Dressman H, Orkunoglu-Suer EF, Lipof JS, Moeckel-Cole S, Patel RR, Adham K, Larkin JS, Hubal MJ, Kearns AK, Clarkson PM, Thompson PD, Angelopoulos TJ, Gordon PM, Moyna NM, Pescatello LS, Visich PS, Zoeller RF, Hoffman EP, **Tosi LL**, Devaney JM. SLC30A8 nonsynonymous variant is associated with recovery following exercise and skeletal muscle size and strength. *Diabetes*. 2014 Jan;63(1):363-8. doi: 10.2337/db13-1150. Epub 2013 Oct 7. PMID: 24101675.
- 52 Balasubramanian A, **Tosi LL**, Lane JM, Dirschl DR, Ho PR, O'Malley CD. Declining rates of osteoporosis management following fragility fractures in the U.S., 2000 through 2009. *J Bone Joint Surg Am*. 2014 Apr 2;96(7):e52. doi: 10.2106/JBJS.L.01781. PMID: 24695929.
- 53 Sprouse C, Gordish-Dressman H, Orkunoglu-Suer EF, Lipof JS, Moeckel-Cole S, Patel RR, Adham K, Larkin JS, Hubal MJ, Kearns AK, Clarkson PM, Thompson PD, Angelopoulos TJ, Gordon PM, Moyna NM, Pescatello LS, Visich PS, Zoeller RF, Hoffman EP, **Tosi LL**, Devaney JM. Response to Comment on Sprouse et al. SLC30A8 nonsynonymous variant is associated with recovery following exercise and skeletal muscle size and strength. *Diabetes* 2014;63:363-368. *Diabetes*. 2014 May;63(5):e9-e10. doi: 10.2337/db14-0222. PMID: 24757210.
- 54 Boyce AM, **Tosi LL**, Paul SM. Bisphosphonate treatment for children with disabling conditions. *PM R*. 2014 May;6(5):427-36. doi: 10.1016/j.pmrj.2013.10.009. Epub 2013 Dec 22. PMID: 24368091; PMCID: PMC4037384.
- 55 Keppler-Noreuil KM, Sapp JC, Lindhurst MJ, Parker VE, Blumhorst C, Darling T, **Tosi LL**, Huson SM, Whitehouse RW, Jakkula E, Grant I, Balasubramanian M, Chandler KE, Fraser JL, Gucev Z, Crow YJ, Brennan LM, Clark R, Sellars EA, Pena LD, Krishnamurthy V, Shuen A, Braverman N, Cunningham ML, Sutton VR, Tasic V, Graham JM Jr, Geer J Jr, Henderson A, Semple RK, Biesecker LG. Clinical delineation and natural history of the PIK3CA-related overgrowth spectrum. *Am J Med Genet A*. 2014 Jul;164A(7):1713-33. doi: 10.1002/ajmg.a.36552. Epub 2014 Apr 29. PMID: 24782230; PMCID: PMC4320693.
- 56 Albert JS, Bhattacharyya N, Wolfe LA, Bone WP, Maduro V, Accardi J, Adams DR, Schwartz CE, Norris J, Wood T, Gafni RI, Collins MT, **Tosi LL**, Markello TC, Gahl WA, Boerkoel CF. Impaired osteoblast and osteoclast function characterize the osteoporosis of Snyder - Robinson syndrome. *Orphanet J Rare Dis*. 2015 Mar 7;10:27. doi: 10.1186/s13023-015-0235-8. PMID: 25888122; PMCID: PMC4428506.
- 57 **Tosi LL**, Warman ML. Mechanistic and therapeutic insights gained from studying rare skeletal diseases. *Bone*. 2015 Jul;76:67-75. doi: 10.1016/j.bone.2015.03.016. Epub 2015 Mar 27. PMID: 25819040.
- 58 Jepsen KJ, Lane NE, Healey JH, **Tosi LL**. Editorial Comment: Symposium: Sex Differences in Musculoskeletal Disease and Science. *Clin Orthop Relat Res*. 2015 Aug;473(8):2474-8. doi: 10.1007/s11999-015-4368-9. PMID: 26077610; PMCID: PMC4488225.
- 59 Sprouse C, **Tosi LL**, Gordish-Dressman H, Abdel-Ghani MS, Panchapakesan K, Niederberger B, Devaney JM, Kelly KR. CK-MM Polymorphism is Associated With Physical Fitness Test

Scores in Military Recruits. *Mil Med.* 2015 Sep;180(9):1001-5. doi: 10.7205/MILMED-D-14-00331. PMID: 26327553.

- 60 **Tosi LL**, Oetgen ME, Floor MK, Huber MB, Kennelly AM, McCarter RJ, Rak MF, Simmonds BJ, Simpson MD, Tucker CA, McKiernan FE. Initial report of the osteogenesis imperfecta adult natural history initiative. *Orphanet J Rare Dis.* 2015 Nov 14;10:146. doi: 10.1186/s13023-015-0362-2. PMID: 26578084; PMCID: PMC4650321.
- 61 Bunta AD, Edwards BJ, Macaulay WB Jr, Jeray KJ, **Tosi LL**, Jones CB, Sietsema DL, Kaufman JD, Murphy SA, Song J, Goulet JA, Friedlaender GE, Swiontkowski MF, Dirschl DR. Own the Bone, a System-Based Intervention, Improves Osteoporosis Care After Fragility Fractures. *J Bone Joint Surg Am.* 2016 Dec 21;98(24):e109. doi: 10.2106/JBJS.15.01494. PMID: 28002377; PMCID: PMC5395079.
- 62 Ovejero D, Lim YH, Boyce AM, Gafni RI, McCarthy E, Nguyen TA, Eichenfield LF, DeKlotz CM, Guthrie LC, **Tosi LL**, Thornton PS, Choate KA, Collins MT. Cutaneous skeletal hypophosphatemia syndrome: clinical spectrum, natural history, and treatment. *Osteoporos Int.* 2016 Dec;27(12):3615-3626. doi: 10.1007/s00198-016-3702-8. Epub 2016 Aug 6. PMID: 27497815; PMCID: PMC6908308.
- 63 Boyce AM, Collins MT, **Tosi LL**, Gafni RI. A Subtrochanteric Femoral Stress Fracture following Bisphosphonate Treatment in an Adolescent Girl. *Horm Res Paediatr.* 2017;87(1):69-72. doi: 10.1159/000447425. Epub 2016 Jul 6. PMID: 27379824; PMCID: PMC5218986.
- 64 Many GM, Kendrick Z, Deschamps CL, Sprouse C, **Tosi LL**, Devaney JM, Gordish-Dressman H, Barfield W, Hoffman EP, Houmard JA, Pescatello LS, Vogel HJ, Shearer J, Hittel DS. Genetic characterization of physical activity behaviors in university students enrolled in kinesiology degree programs. *Appl Physiol Nutr Metab.* 2017 Mar;42(3):278-284. doi: 10.1139/apnm-2016-0441. Epub 2016 Nov 11. PMID: 28177749.
- 65 Crenshaw MM, Goerlich CG, Ivey LE, Sapp JC, Keppler-Noreuil KM, Scott AC, Biesecker LG, **Tosi LL**. Orthopaedic Management of Leg-length Discrepancy in Proteus Syndrome: A Case Series. *J Pediatr Orthop.* 2018 Mar;38(3):e138-e144. doi: 10.1097/BPO.0000000000001121. PMID: 29329145.
- 66 Carlson BC, Robinson WA, Wanderman NR, Nassr AN, Huddleston PM 3rd, Yaszemski MJ, Currier BL, Jeray KJ, Kirk KL, Bunta AD, Murphy S, Patel B, Watkins CM, Sietsema DL, Edwards BJ, **Tosi LL**, Anderson PA, Freedman BA. The American Orthopaedic Association's Own the Bone® database: a national quality improvement project for the treatment of bone health in fragility fracture patients. *Osteoporos Int.* 2018 Sep;29(9):2101-2109. doi: 10.1007/s00198-018-4585-7. Epub 2018 Jun 1. PMID: 29858634.
- 67 Najirad M, Ma MS, Rauch F, Sutton VR, Lee B, Retrouvey JM; **Members of the BBD**, Esfandiari S. Oral health-related quality of life in children and adolescents with osteogenesis imperfecta: cross-sectional study. *Orphanet J Rare Dis.* 2018 Oct 25;13(1):187. doi: 10.1186/s13023-018-0935-y. PMID: 30359278; PMCID: PMC6202869.
- 68 **Tosi LL**, Floor MK, Dollar CM, Gillies AP; Members of the Brittle Bone Disease Consortium, Hart TS, Cuthbertson DD, Sutton VR, Krischer JP. Assessing disease experience across the life span for individuals with osteogenesis imperfecta: challenges and opportunities for patient-reported outcomes (PROs) measurement: a pilot study. *Orphanet J Rare Dis.* 2019 Jan 29;14(1):23. doi: 10.1186/s13023-019-1004-x. PMID: 30696467; PMCID: PMC6350324.

- 69 Jain M, Tam A, Shapiro JR, Steiner RD, Smith PA, Bober MB, Hart T, Cuthbertson D, Krischer J, Mullins M, Bellur S, Byers PH, Pepin M, Durigova M, Glorieux FH, Rauch F, Lee B, Sutton VR; , **Members of the Brittle Bone Disorders Consortium***. Nagamani SCS. Growth characteristics in individuals with osteogenesis imperfecta in North America: results from a multicenter study. *Genet Med*. 2019 Feb;21(2):275-283. doi: 10.1038/s41436-018-0045-1. Epub 2018 Jul 4. PMID: 29970925; PMCID: PMC6320321.
- 70 Swezey T, Reeve BB, Hart TS, Floor MK, Dollar CM, Gillies AP, **Tosi LL**. Incorporating the patient perspective in the study of rare bone disease: insights from the osteogenesis imperfecta community. *Osteoporos Int*. 2019 Feb;30(2):507-511. doi: 10.1007/s00198-018-4690-7. Epub 2018 Sep 6. PMID: 30191258; PMCID: PMC6449303.
- 71 Retrouvey JM, Taqi D, Tamimi F, Dagdeviren D, Glorieux FH, Lee B, Hazboun R, Krakow D, Sutton VR; **Members of the BBD Consortium**. Oro-dental and cranio-facial characteristics of osteogenesis imperfecta type V. *Eur J Med Genet*. 2019 Dec;62(12):103606. doi: 10.1016/j.ejmg.2018.12.011. Epub 2018 Dec 26. PMID: 30593885; PMCID: PMC6594916.
- 72 Conley RB, Adib G, Adler RA, Åkesson KE, Alexander IM, Amenta KC, Blank RD, Brox WT, Carmody EE, Chapman-Novakofski K, Clarke BL, Cody KM, Cooper C, Crandall CJ, Dirschl DR, Eagen TJ, Elderkin AL, Fujita M, Greenspan SL, Halbout P, Hochberg MC, Javaid M, Jeray KJ, Kearns AE, King T, Koinis TF, Koontz JS, Kužma M, Lindsey C, Lorentzon M, Lyritis GP, Michaud LB, Miciano A, Morin SN, Mujahid N, Napoli N, Olenginski TP, Puzas JE, Rizou S, Rosen CJ, Saag K, Thompson E, **Tosi LL**, Tracer H, Khosla S, Kiel DP. Secondary Fracture Prevention: Consensus Clinical Recommendations from a Multistakeholder Coalition. *J Bone Miner Res*. 2020 Jan;35(1):36-52. doi: 10.1002/jbmr.3877. Epub 2019 Dec 1. PMID: 31538675.
- 73 Murali CN, Cuthbertson D, Slater B, Nguyen D, Turner A, Harris G, Sutton VR, Lee B; **Members of the BBD Consortium**, Nagamani SCS. Pediatric Outcomes Data Collection Instrument is a Useful Patient-Reported Outcome Measure for Physical Function in Children with Osteogenesis Imperfecta. *Genet Med*. 2020 Mar;22(3):581-589. doi: 10.1038/s41436-019-0688-6. Epub 2019 Nov 27. PMID: 31772349; PMCID: PMC7060104.
- 74 Conley RB, Adib G, Adler RA, Åkesson KE, Alexander IM, Amenta KC, Blank RD, Brox WT, Carmody EE, Chapman-Novakofski K, Clarke BL, Cody KM, Cooper C, Crandall CJ, Dirschl DR, Eagen TJ, Elderkin AL, Fujita M, Greenspan SL, Halbout P, Hochberg MC, Javaid M, Jeray KJ, Kearns AE, King T, Koinis TF, Koontz JS, Kužma M, Lindsey C, Lorentzon M, Lyritis GP, Michaud LB, Miciano A, Morin SN, Mujahid N, Napoli N, Olenginski TP, Puzas JE, Rizou S, Rosen CJ, Saag K, Thompson E, **Tosi LL**, Tracer H, Khosla S, Kiel DP. Secondary Fracture Prevention: Consensus Clinical Recommendations From a Multistakeholder Coalition. *Orthop Nurs*. 2020 May/Jun;39(3):145-161. doi: 10.1097/NOR.0000000000000672. PMID: 32443087.
- 75 Najirad M, Madathil SA, Rauch F, Sutton VR, Lee B, Retrouvey JM; **Members of the Brittle Bone Diseases Consortium**, Esfandiari S. Malocclusion traits and oral health-related quality of life in children with osteogenesis imperfecta: A cross-sectional study. *J Am Dent Assoc*. 2020 Jul;151(7):480-490.e2. doi: 10.1016/j.adaj.2020.03.040. PMID: 32593350; PMCID: PMC7360479.
- 76 **Tosi LL**, Rajah EN, Stewart MH, Gillies AP, Hart TS, Lewiecki EM. The Rare Bone Disease TeleECHO Program: Leveraging Telehealth to Improve Rare Bone Disease Care. *Curr Osteoporos Rep*. 2020 Aug;18(4):344-349. doi: 10.1007/s11914-020-00595-2. PMID: 32514667; PMCID: PMC7419447.

- 77 Kartalias K, Gillies AP, Peña MT, Estrada A, Bulas DI, Ferreira CR, **Tosi LL**. Fourteen-year follow-up of a child with acroscyphodysplasia with emphasis on the need for multidisciplinary management: a case report. *BMC Med Genet*. 2020 Sep 29;21(1):189. doi: 10.1186/s12881-020-01127-6. PMID: 32993552; PMCID: PMC7526353.
- 78 Conley RB, Adib G, Adler RA, Åkesson KE, Alexander IM, Amenta KC, Blank RD, Brox WT, Carmody EE, Chapman-Novakofski K, Clarke BL, Cody KM, Cooper C, Crandall CJ, Dirschl DR, Eagen TJ, Elderkin AL, Fujita M, Greenspan SL, Halbout P, Hochberg MC, Javid M, Jeray KJ, Kearns AE, King T, Koinis TF, Koontz JS, Kužma M, Lindsey C, Lorentzon M, Lyritis GP, Michaud LB, Miciano A, Morin SN, Mujahid N, Napoli N, Olenginski TP, Puzas JE, Rizou S, Rosen CJ, Saag K, Thompson E, **Tosi LL**, Tracer H, Khosla S, Kiel DP. Secondary Fracture Prevention: Consensus Clinical Recommendations from a Multistakeholder Coalition. *J Orthop Trauma*. 2020 Apr;34(4):e125-e141. doi: 10.1097/BOT.0000000000001743. PMID: 32195892.
- 79 Robinson WA, Carlson BC, Poppendeck H, Wanderman NR, Bunta AD, Murphy S, Sietsema DL, Daffner SD, Edwards BJ, Watts NB, **Tosi LL**, Anderson PA, Freedman BA. Osteoporosis-related Vertebral Fragility Fractures: A Review and Analysis of the American Orthopaedic Association's Own the Bone Database. *Spine (Phila Pa 1976)*. 2020 Apr 15;45(8):E430-E438. doi: 10.1097/BRS.0000000000003324. PMID: 31770343.
- 80 de Jesus AA, Hou Y, Brooks S, Malle L, Biancotto A, Huang Y, Calvo KR, Marrero B, Moir S, Oler AJ, Deng Z, Montealegre Sanchez GA, Ahmed A, Allenspach E, Arabshahi B, Behrens E, Benseler S, Bezrodnik L, Bout-Tabaku S, Brescia AC, Brown D, Burnham JM, Caldirola MS, Carrasco R, Chan AY, Cimaz R, Dancey P, Dare J, DeGuzman M, Dimitriades V, Ferguson I, Ferguson P, Finn L, Gattorno M, Grom AA, Hanson EP, Hashkes PJ, Hedrich CM, Herzog R, Horneff G, Jerath R, Kessler E, Kim H, Kingsbury DJ, Laxer RM, Lee PY, Lee-Kirsch MA, Lewandowski L, Li S, Lilleby V, Mammadova V, Moorthy LN, Nasrullayeva G, O'Neil KM, Onel K, Ozen S, Pan N, Pillet P, Piotta DG, Punaro MG, Reiff A, Reinhardt A, Rider LG, Rivas-Chacon R, Ronis T, Rösen-Wolff A, Roth J, Ruth NM, Rygg M, Schmelting H, Schulert G, Scott C, Seminario G, Shulman A, Sivaraman V, Son MB, Stepanovskiy Y, Stringer E, Taber S, Terreri MT, Tiffit C, Torgerson T, **Tosi L**, Van Royen-Kerkhof A, Wampler Muskardin T, Canna SW, Goldbach-Mansky R. Distinct interferon signatures and cytokine patterns define additional systemic autoinflammatory diseases. *J Clin Invest*. 2020 Apr 1;130(4):1669-1682. doi: 10.1172/JCI129301. PMID: 31874111; PMCID: PMC7108905.
- 81 **Tosi L**, Mitchell F, Porter GF, Ruland L, Gropman A, Lasutschinkow PC, Tran SL, Rajah EN, Gillies AP, Hendrie P, Peret R, Sadeghin T, Samango-Sprouse CA. Musculoskeletal abnormalities in a large international cohort of boys with 49,XXXXY. *Am J Med Genet A*. 2020 Apr 3. doi: 10.1002/ajmg.a.61578. Epub ahead of print. PMID: 32243688.
- 82 Nijhuis W, Franken A, Ayers K, Damas C, Folkestad L, Forlino A, Fraschini P, Hill C, Janus G, Kruse R, Lande Wekre L, Michiels L, Montpetit K, Panzeri L, Porquet-Bordes V, Rauch F, Sackers R, Salles JP, Semler O, Sun J, To M, **Tosi L**, Yao Y, Yeung EHK, Zhytnik L, Zillikens MC, Verhoef M. A standard set of outcome measures for the comprehensive assessment of osteogenesis imperfecta. *Orphanet J Rare Dis*. 2021 Mar 20;16(1):140. doi: 10.1186/s13023-021-01682-y. PMID: 33743784; PMCID: PMC7980586.
- 83 Cottrell CE, Bender NR, Zimmermann MT, Heusel JW, Corliss M, Evenson MJ, Magrini V, Corsmeier DJ, Avenarius M, Dudley JN, Johnston JJ, Lindhurst MJ, Vigh-Conrad K, Davies OMT, Coughlin CC, Frieden IJ, Tollefson M, Zaenglein AL, Ciliberto H, **Tosi LL**, Semple RK, Biesecker LG, Drolet BA. Somatic PIK3R1 variation as a cause of vascular malformations and

overgrowth. *Genet Med.* 2021 May 26. doi: 10.1038/s41436-021-01211-z. Epub ahead of print. PMID: 34040190.

- 84 Murali CN, Slater B, MUSAAD S, Cuthbertson D, Nguyen D, Turner A, Azamian M, **Tosi L**, Rauch F, Sutton VR, Lee B; Members of the BBD Consortium, Nagamani SCS. Health-related quality of life in adults with osteogenesis imperfecta. *Clin Genet.* 2021 Jun;99(6):772-779. doi: 10.1111/cge.13939. Epub 2021 Feb 22. PMID: [33580568](#); PMCID: PMC8096695.
- 85 Taqi D, Moussa H, Schwinghamer T, Ducret M, Dagdeviren D, Retrouvey JM, Rauch F, Tamimi F; **Members of the BBDC**. Osteogenesis imperfecta tooth level phenotype analysis: Cross-sectional study. *Bone.* 2021 Jun;147:115917. doi: 10.1016/j.bone.2021.115917. Epub 2021 Mar 16. PMID: 33741542.

Chapters in Books

1. **Tosi L**, White P, Petry J, Thompson, F. The Musculoskeletal System. In: *The Women's Complete Healthbook*, The American Medical Women's Association, Delacorte Press, New York, NY, 1995:573-599.
2. **Tosi L**. Pediatric Orthopaedic Infections. In: *Orthopaedic Knowledge Update - Pediatrics*, American Academy of Orthopaedic Surgeons, Rosemont, IL, 1996:35-46.
3. **Tosi L**. Connective Tissue Disorders. In: *Orthopaedic Knowledge Update - 6*, American Academy of Orthopaedic Surgeons, Rosemont, IL, 1999.
4. **Tosi L**. Osteoporosis. In: *Essentials of Musculoskeletal Care*, American Academy of Orthopaedic Surgeons, Rosemont, IL, 2002.
5. **Tosi L**. Pediatric Orthopaedic Infections. In: *Orthopaedic Knowledge Update - Pediatrics*, American Academy of Orthopaedic Surgeons, Rosemont, IL, 2002.
6. Dormans JP, Leet AI, **Tosi LL**, Batshaw M. Muscles, Nerves, and Bone, the Body's Framework. In: Batshaw M, ed. *Children with Disability*, Brooks Publisher, 2002.
7. **Tosi LL**, Bone and Muscle Health. In: Greenberger P, ed. *The Savvy Woman Patient*, Capital Books, Inc. Publishers, 2006.
8. McClure S, **Tosi LL** "Hip Orthoses" In *AAOS Atlas of Orthotics and Assistive Devices*. Hsu J, Micheal J, and Fisk J editors, Elsevier 2008.
9. Escolar D, **Tosi L**, Tesi-Rocha C, Kennedy A. Muscles, Bones and Nerves, the Body's Framework. In: Batshaw M, ed. *Children with Disability*, Brooks Publishers. July 2007.
10. Templeton KJ, Hame SL, Hannafin JA, Griffin LY, **Tosi LL**, Shields NN. Sports injuries in women: sex- and gender-based differences in etiology and prevention. *Instr Course Lect.* 2008;57:539-52. PMID: 18399608.
11. Gehrig LM, Collinge C, Kaufman J, Lane JM, O'Connor MI, **Tosi LL**. Osteoporosis: management and densitometry for orthopaedic surgeons. *Instr Course Lect.* 2009;58:805-15. PubMed PMID: 19385588.
12. Kelly S.M., Stubbelfield S, **Tosi LL**. Pediatric Hip Orthoses, in *Atlas of Orthoses and Assistive Devices*, 5th edition, Elsevier 2018.

13. **Tosi LL**, Gillies AP, Willacy BA, Boyan B. Sex and Gender Differences in Clinical and Preclinical studies, in Orthopaedic Basic Science, 5th edition, Aaron R editor, Wolters Kluwer and AAOS 2020.

Abstracts

1. Robertson W, **Tosi L**, Thomas M, Eichelberger M. Gunshot Wounds to the Extremity Treated In an Urban Children's Hospital. Orthop Transact 16:23, 1992.
2. **Tosi L**, McKay D, Nason S, Buck B. Hip Stability Following External Oblique and Adductor Transfers and Femoral Osteotomy in Children with Myelomeningocele. J Bone & Joint Surg 74-B, Supplement 111:285, 1992.
3. Brandoli C, Tesi-Rocha C, Gordish-Dressman H, Uthurralt J, Reeves EK, Devaney JM, Kim B, Ku K, Farrelly E, Linn M, Horsley G, Thompson PD, Clarkson PM, Price TB, Angelopoulos TJ, Gordon PM, Moyna NM, Pescatello LS, Visich PS, Zoeller RF, Seip RL, Bilbie S, Hoffman EP, **Tosi LL**. Sexual Dimorphism in Determinants of Bone: MRI and Strength Study in 438 Young Adults. Poster Presentation. American Society for Bone and Mineral Research, 28th Annual Meeting, Philadelphia PA. 2006.
4. **Tosi LL**, Faust JR, Wilson R, Devaney JM, Gordish-Dressman H, Uthurralt J, Brandoli C, Hoffman EP. Genetic Influences of Bone Morphometry. Poster Presentation. American Society for Bone and Mineral Research_28th Annual Meeting, Philadelphia PA, September 2006.
5. **Tosi LL**, Faust JR, Wilson R, Devaney JM, Gordish-Dressman H, Uthurralt J, Brandoli C, Hoffman EP. Genetic Influences of Bone Morphometry. Poster Presentation. GW Research Day, Washington DC. March 2007.
6. **Tosi LL**, Faust JR, Wilson R, Devaney JM, Gordish-Dressman H, Uthurralt J, Brandoli C, Hoffman EP. Genetic Influences of Bone Morphometry. Poster Presentation. CNH Research Day, Washington DC. May 2007.
7. Linn ML, Faust JR, Wilson RR, Devaney JM, Gordish-Dressman H, Brandoli C, Hoffman EP, **Tosi LL**. Determinants of Bone Volume: Use of Exonic Splicing Enhancers in the Search for Biologically Significant Single Nucleotide Polymorphisms. Poster Presentation. 53^d Annual Meeting of the Orthopaedic Research Society, San Diego CA. February 2007.
8. Linn ML, Faust JR, Wilson RR, Devaney JM, Gordish-Dressman H, Brandoli C, Hoffman EP, **Tosi LL**. Determinants of Bone Volume: Use of Exonic Splicing Enhancers in the Search for Biologically Significant Single Nucleotide Polymorphisms. Poster Presentation. GW Research Day. March 2007.
9. Linn ML, Faust JR, Wilson RR, Devaney JM, Gordish-Dressman H, Brandoli C, Hoffman EP, **Tosi LL**. Determinants of Bone Volume: Use of Exonic Splicing Enhancers in the Search for Biologically Significant Single Nucleotide Polymorphisms. Poster Presentation. CNH Research Day. May 2007.
10. Ryan LM, Brandoli C, Freishtat RJ, Chamberlain JM, Wright JL, Yanovski JA, Hoffman EP, **Tosi LL**. Prevalence of Vitamin D. Insufficiency in African-American Children with Forearm Fractures. Poster Presentation. Pediatric Academic Society Annual Meeting. 2007.
11. Ryan LM, Brandoli C, Freishtat RJ, Chamberlain JM, Wright JL, Yanovski JA, Hoffman EP,

- Tosi LL** Insufficiency in African-American Children with Forearm Fractures. Poster Presentation. 4th International Conference on Children's Bone Health, Montreal Canada. 2007.
12. Ryan LM, Brandoli C, Freishtat RJ, Chamberlain JM, Wright JL, Yanovski JA, Hoffman EP, **Tosi LL** Insufficiency in African-American Children with Forearm Fractures. Poster Presentation. CNH Research Day. May 2007.
 13. Sheu C, Burton E, Devaney J, Harmon B, Hubal M, Gordish-Dressman H, Orkunolu-Suer F, Brandoli C, Hoffman E, **Tosi LL** Determinants of Bone Volume in females: A genome-wide search. Poster Presentation. GW Research Day. March 2007.
 14. Sheu C, Burton E, Devaney J, Harmon B, Hubal M, Gordish-Dressman H, Orkunolu-Suer, Brandoli C, Hoffman E, **Tosi LL** Determinants of Bone Volume in females: A genome-wide search. Poster Presentation. CNH Research Day. May 2007.
 15. Farrelly E, Allen E, Brandoli C, **Tosi LL**, Demorest R. Characteristics of Individuals Seeking Care in an Adolescent Sports Medicine Clinic. Poster Presentation. GW Research Day. March 2007.
 16. Farrelly E, Allen E, Brandoli C, **Tosi LL**, Demorest R. Characteristics of Individuals Seeking Care in an Adolescent Sports Medicine Clinic. Poster Presentation. CNH Research Day. May 2007.
 17. Gordon A, Devaney J, Rogers M, Gordish-Dressman H, Brandoli C, Hoffman E, **Tosi L**. A polymorphism in the BMP2 gene is associated with subcutaneous fat volume in Caucasian males. Poster Presentation. GW Research Day. March 2007.
 18. Gordon A, Devaney J, Rogers M, Gordish-Dressman H, Brandoli C, Hoffman E, **Tosi L**. A polymorphism in the BMP2 gene is associated with subcutaneous fat volume in Caucasian males. Poster Presentation. CNH Research Day. May 2007.
 19. Ginsburg M, Devaney J, Gordish-Dressman H, Brandoli C, Hoffman E, **Tosi L**. Bone's possible influence on muscle: an addition to the mechanostat hypothesis. Poster Presentation. GW Research Day. March 2007.
 20. Ginsburg M, Devaney J, Gordish-Dressman H, Brandoli C, Hoffman E, **Tosi L**. Bone's possible influence on muscle: an addition to the mechanostat hypothesis. Poster Presentation. CNH Research Day. May 2007.
 21. Larkin JS , Adham K, Patel RR, Brandoli C, Gordish-Dressman H, Hubal MJ, Kearns A, Hoffman EP, Clarkson PM, Devaney JM, **Tosi LL**. Genetic Variants in CCL2 and CCR2 are Associated with Muscle Damage. Poster Presentation. GW Research Day. 2008.
 22. Larkin JS , Adham K, Patel RR, Brandoli C, Gordish-Dressman H, Hubal MJ, Kearns A, Hoffman EP, Clarkson PM, Devaney JM, **Tosi LL**. Genetic Variants in CCL2 and CCR2 are Associated with Muscle Damage. Poster Presentation. CNH Research Day. 2008.
 23. Contractor D, Larkin JS, Amling J, Brandoli C, **Tosi LL**. Negative Pressure Wound Therapy in Children: Expanded Indications. Poster Presentation. GW Research Day. 2008.
 24. Contractor D, Larkin JS, Amling J, Brandoli C, **Tosi LL** Negative Pressure Wound Therapy in Children: Expanded Indications. Poster Presentation. CNH Research Day. 2008.

25. Contractor D, Larkin JS, Amling J, Brandoli C, **Tosi LL** Negative Pressure Wound Therapy in Children: Expanded Indications. Poster Presentation. 3rd Congress of the World Union of Wound Healing Societies. Toronto, Canada. June 2008.
26. Silverman E, Brandoli C, **Tosi LL**. Slipped Capital Femoral Epiphysis. Poster Presentation. GW Research Day. 2008.
27. Silverman E, Brandoli C, **Tosi LL**. Slipped Capital Femoral Epiphysis. Poster Presentation. CNH Research Day. 2008.
28. Patel RR, Adham K, Larkin JS, Devaney JM, Gordish-Dressman HA, Brandoli C, Hoffman EP, **Tosi LL**. SLC30A8 Variant Is Associated With Muscle Size and Response To Resistance Training. Poster Presentation. GW Research Day. 2008.
29. Patel RR, Adham K, Larkin JS, Devaney JM, Gordish-Dressman HA, Brandoli C, Hoffman EP, **Tosi LL**. SLC30A8 Variant Is Associated With Muscle Size and Response To Resistance Training. Poster Presentation. CNH Research Day. 2008.
30. Adham K, Patel RR, Larkin JS, Brandoli C, Gordish-Dressman H, Hoffman EP, Devaney JM, **Tosi LL**. Genetic Variants Are Associated With Baseline Muscle Strength and Subcutaneous Fat Volume. Poster Presentation. GW Research Day. 2008.
31. Adham K, Patel RR, Larkin JS, Brandoli C, Gordish-Dressman H, Hoffman EP, Devaney JM, **Tosi LL**. Genetic Variants Are Associated With Baseline Muscle Strength and Subcutaneous Fat Volume. Poster Presentation. CNH Research Day. 2008.
32. **Tosi LL**, Rogers MB, Brandoli C, Gordish-Dressman HA, Gordon AH, Hoffman EP, Devaney JM. A Polymorphism in the BMP2 Gene is Associated with Whole Skeletal Muscle Volume and Subcutaneous Fat Volume in Caucasian Males. Poster Presentation. 54th Annual Meeting of the Orthopaedic Research Society. 2008.
33. Farrelly E, Allen E, Brandoli C, **Tosi LL**, and Demorest R. Characteristics of Individuals Seeking Care in an Adolescent Sports Medicine Clinic: A Pilot Survey. Poster Presentation. JR Gladden Orthopaedic Society 2008 Biennial Meeting. 2008.
34. Ryan LM, Brandoli C, Freishtat RJ, Wright JL, Hoffman EP, **Tosi LL**, Chamberlain J. Vitamin D Insufficiency in African American Children with Forearm Fractures. Poster Presentation. Pediatric Academic Society. 2008.
35. Woo AA, Jepsen KJ, Greene EL, Gordish-Dressman H, Devaney JM, Brandoli C, Hoffman EP, **Tosi LL**. Sexual Dimorphism in Humeral Bone Volume in the Young Adult Skeleton. Poster Presentation. George Washington Research Day. 2009.
36. Woo AA, Jepsen KJ, Greene EL, Gordish-Dressman H, Devaney JM, Brandoli C, Hoffman EP, **Tosi LL**. Sexual Dimorphism in Humeral Bone Volume in the Young Adult Skeleton. Poster Presentation. CNH Research Day. 2009.
37. Greene EL, Woo AW, Ngor WM, Suer F, Harmon BT, Brandoli C, Gordish-Dressman H, Hoffman EP, Devaney JM, **Tosi LL**. SNPs on the X-chromosome are Associated with Bone Volume and Muscle Strength In Young Healthy Men. Poster Presentation. The Orthopaedic Research Society. 2009.
38. Greene EL, Woo AW, Ngor WM, Suer F, Harmon BT, Brandoli C, Gordish-Dressman H,

- Hoffman EP, Devaney JM, **Tosi LL**. SNPs on the X-chromosome are Associated with Bone Volume and Muscle Strength In Young Healthy Men. Poster Presentation. GW Research Day. 2009.
39. Greene EL, Woo AW, Ngor WM, Suer F, Harmon BT, Brandoli C, Gordish-Dressman H, Hoffman EP, Devaney JM, **Tosi LL**. SNPs on the X-chromosome are Associated with Bone Volume and Muscle Strength In Young Healthy Men. Poster Presentation. CNH Research Day. 2009.
 40. Ryan LM, Brandoli C, Freishtat RJ, Wright JL, Hoffman EP, **Tosi LL**. Chamberlain J. Vitamin D Insufficiency in African American Children with Forearm Fractures. Poster Presentation. International Children's Bone Health Meeting. 2009.
 41. Silverman E; Moore DW, **Tosi LL**. Slipped Capital Femoral Epiphysis. Poster Presentation. GW Research Day. 2009.
 42. Silverman E; Moore DW, **Tosi LL**. Slipped Capital Femoral Epiphysis. Poster Presentation. CNH Research Day. 2009.
 43. Moore DW, Revenis M, Klein CJ, Jamal R, **Tosi LL**. Biomarkers of Bone Health in Critically Ill Preterm Infants On Standard or Oscillating Ventilators. Poster Presentation. CNH Research Day. 2009.
 44. Shams J, **Tosi LL**, Orkunoglu-Suer FE, Gordish-Dressman HA, Thompson P, Devaney J. Association of Atrogin-1 Genotypes with Baseline Muscle Phenotypes in Men and Women. Poster Presentation. GW Research Day. 2010.
 45. Shams J, **Tosi LL**, Orkunoglu-Suer FE, Gordish-Dressman HA, Thompson P, Devaney J. Association of Atrogin-1 Genotypes with Baseline Muscle Phenotypes in Men and Women. Poster Presentation. CNH Research Day. 2010.
 46. Spitzer AB, **Tosi LL**, Orkunoglu-Suer FE, Shams J, Visich PS, Gordon PM, Gordish-Dressman H, Bradbury MK, Panchapakesan K, Khianey R, Hubal MJ, Clarkson PM, Thompson PD, Pescatello LS, Zoeller RF, Kraus W, Hoffman EP, Devaney JM. AKT2 Gene Variants are Associated with Muscle Phenotypes in Both Men and Women. Poster Presentation. Third place winner: posters, School of Medicine and Health Sciences, GW Research Day. 2010.
 47. Spitzer AB, **Tosi LL**, Orkunoglu-Suer FE, Shams J, Visich PS, Gordon PM, Gordish-Dressman H, Bradbury MK, Panchapakesan K, Khianey R, Hubal MJ, Clarkson PM, Thompson PD, Pescatello LS, Zoeller RF, Kraus W, Hoffman EP, Devaney JM. AKT2 Gene Variants are Associated with Muscle Phenotypes in Both Men and Women. Poster Presentation. CNH Research Day. 2010.
 48. Ottolini K, Harris A, Amling JK, Kennelly AM, Phillips L, **Tosi LL**. Wound Care Challenges in Children and Adults with Spina Bifida. Poster Presentation. GW Research Day. 2010.
 49. Ottolini K, Harris A, Amling JK, Kennelly AM, Phillips L, **Tosi LL**. Wound Care Challenges in Children and Adults with Spina Bifida. Poster Presentation. CNH Research Day. 2010.
 50. Boskey A, Bostrom M, Bukata S, Esposito P, Kennelly A, Rauch F, Smith P, **Tosi L**. Improving Musculoskeletal Outcomes for Individuals with Osteogenesis Imperfecta. Forum on Aging and Skeletal Health. Poster Presentation. American Society for Bone and Mineral Research.

Bethesda, MD. March 2011.

51. Boskey A, Bostrom M, Bukata S, Esposito P, Kennelly A, Rauch F, Smith P, **Tosi L**. Improving Musculoskeletal Outcomes for Individuals with Osteogenesis Imperfecta. Forum on Aging and Skeletal Health. Poster Presentation. GW Research Day. 2010.
52. Boskey A, Bostrom M, Bukata S, Esposito P, Kennelly A, Rauch F, Smith P, **Tosi L**. Improving Musculoskeletal Outcomes for Individuals with Osteogenesis Imperfecta. Forum on Aging and Skeletal Health. Poster Presentation. CNH Research Day. 2010.
53. Talasila S, Ruby, JM, Orkunoglu-Suer F, Gordish-Dressman H, Panchapakesan K, Harman BT, Hoffman EP, Devaney JM, **Tosi LL**. Genetic Variation in NADSYN1 (rs12785878) Predicts Skeletal Muscle Response to Resistance Training and Vitamin D Levels in Men. Poster Presentation. American Society for Bone and Mineral Research, San Diego CA. September 2011.
54. Talasila S, Ruby JM, Orkunoglu-Suer F, Gordish-Dressman, H, Panchapakesan, K, Harmon, BT, Hoffman, EP, Devaney, JM. **Tosi LL**. Genetic Variation in NADSYN1 (rs12785878) Predicts Skeletal Muscle Response to Resistance Training and Vitamin D Levels in Men. Poster Presentation. GW Research Day. 2011.
55. Talasila S, Ruby JM, Orkunoglu-Suer F, Gordish-Dressman, H, Panchapakesan, K, Harmon, BT, Hoffman, EP, Devaney, JM. **Tosi LL**. Genetic Variation in NADSYN1 (rs12785878) Predicts Skeletal Muscle Response to Resistance Training and Vitamin D Levels in Men. Poster Presentation. CNH Research Day. 2011.
56. Ruby JM, Talasila S, Orkunoglu-Suer F, Gordish-Dressman H, Panchapakesan K, Harman BT, Hoffman EP, Devaney, JM, **Tosi, LL**. Genetic Variants Associated with Fracture Risk are also Predictive of Muscle Volume. Poster Presentation. GW Research Day. 2011.
57. Ruby JM, Talasila S, Orkunoglu-Suer F, Gordish-Dressman H, Panchapakesan K, Harman BT, Hoffman EP, Devaney, JM, **Tosi, LL**. Genetic Variants Associated with Fracture Risk are also Predictive of Muscle Volume. Poster Presentation. CNH Research Day. 2011.
58. Kraekel S, Oetgen M, **Tosi LL**. Care for Adults with Childhood Onset Musculoskeletal Disorders and Its Impact on Pediatric Hospitals. Poster Presentation. GW Research Day. 2011.
59. Kraekel S, Oetgen M, **Tosi LL**. Care for Adults with Childhood Onset Musculoskeletal Disorders and Its Impact on Pediatric Hospitals. Poster Presentation. CNH Research Day. 2011.
60. Rupe ES, **Tosi LL**, Abdel-Ghani MS, Spock T, Kuhn K, Griffis C, Gordish-Dressman H, Clarkson P, Hoffman EP, Devaney JM. Polymorphisms Associated with Physical Activity and Body Composition. Poster Presentation. ASBMR Special Topic Meeting. July 2011.
61. Rupe ES, **Tosi LL**, Abdel-Ghani MS, Spock T, Kuhn K, Griffis C, Gordish-Dressman H, Clarkson P, Hoffman EP, Devaney JM. Polymorphisms Associated with Physical Activity and Body Composition. Poster Presentation. GW Research Day. 2012.
62. Rupe ES, **Tosi LL**, Abdel-Ghani MS, Spock T, Kuhn K, Griffis C, Gordish-Dressman H, Clarkson P, Hoffman EP, Devaney JM. Polymorphisms Associated with Physical Activity and Body Composition. Poster Presentation. CNH Research Day. 2012.

63. Rupe E, **Tosi LL**, Spock T, Kuhn K, Abdel-Ghani M, Griffs C, Gordish-Dressman H, Hoffman EP, Devaney J. Polymorphisms Associated with Physical Activity and Body Composition. Poster Presentation. ASBMR Annual Meeting Minneapolis, MN. October 2012.
64. Kuhn K, Rupe E, Griffis CE, Abdel-Ghani M, Spock T, Gordish-Dressman H, Hoffman EP, Clarkson PM, Devaney JM, **Tosi LL**. A variant in the supervillin gene is associated with lean muscle and adiposity phenotypes. Poster Presentation. GW Research Day. 2012.
65. Kuhn K, Rupe E, Griffis CE, Abdel-Ghani M, Spock T, Gordish-Dressman H, Hoffman EP, Clarkson PM, Devaney JM, **Tosi LL**. A variant in the supervillin gene is associated with lean muscle and adiposity phenotypes. Poster Presentation. CNH Research Day. 2012.
66. Kuhn K, Rupe E, Griffis CE, Abdel-Ghani M, Spock T, Gordish-Dressman H, Hoffman EP, Clarkson PM, Devaney JM, **Tosi LL**. A variant in the supervillin gene is associated with lean muscle and adiposity phenotypes. Podium Presentation. Orthopaedic Research Society, San Francisco. February 2012.
67. Griffis CE, Gordish-Dressman H, Hoffman EP, Clarkson PM, Devaney JM, **Tosi LL**. Examination of Genetic Variants for Skeletal muscle damage: A functional genetic variant in the PAC1 gene may predict physical stress. Poster Presentation, Orthopaedic Research Society, San Francisco CA, 2012.
68. Griffis CE, Gordish-Dressman H, Hoffman EP, Clarkson PM, Devaney JM, **Tosi LL**. Examination of Genetic Variants for Skeletal muscle damage: A functional genetic variant in the PAC1 gene may predict physical stress. Poster Presentation, CNH Research Day. 2012.
69. Griffis CE, Gordish-Dressman H, Hoffman EP, Clarkson PM, Devaney JM, **Tosi LL**. Examination of Genetic Variants for Skeletal muscle damage: A functional genetic variant in the PAC1 gene may predict physical stress. Poster Presentation, GW Research Day. 2012.
70. Spock T, **Tosi LL**, Kuhn K, Rupe E, Griffis C, Abdel-Ghani M, Gordish-Dressman H, Hoffman EP, Devaney JM VPS53 polymorphism destroys miR-206 binding and is associated with bone and muscle phenotypes in young males and females. Poster Presentation, Third place prize at GW Research Day. 2012.
71. Spock T, **Tosi LL**, Kuhn K, Rupe E, Griffis C, Abdel-Ghani M, Gordish-Dressman H, Hoffman EP, Devaney JM. VPS53 polymorphism destroys miR-206 binding and is associated with bone and muscle phenotypes in young males and females. Poster Presentation, CNH Research Day. 2012.
72. **Tosi LL**, Abdel-Ghani M, Suer, F, Harmon B, Gordish-Dressman H, Hoffman, EP, Devaney JM. Genetic Contributions to Peak Bone Mass in Males: A Genome-Wide Search. Poster Presentation. CNH Research Day. 2012.
73. Abdel-Ghani MS, Spock T, Kuhn K, Rupe E, Griffis C, Gordish-Dressman H, Clarkson P, Hoffman EP, Devaney J, **Tosi L**. Genetic Variant on PLIN4 is associated with Obesity related phenotypes. Poster Presentation. CNH Research Day. 2012.
74. Abdel-Ghani MS, Spock T, Kuhn K, Rupe E, Griffis C, Gordish-Dressman H, Clarkson P, Hoffman EP, Devaney J, **Tosi L**. Genetic Variant on PLIN4 is associated with Obesity related phenotypes. Poster Presentation. George Mason University Research Day. 2012.

75. Abdel-Ghani MS, Spock T, Kuhn K, Rupe E, Griffis C, Gordish-Dressman H, Clarkson P, Hoffman EP, Devaney J, **Tosi L**. Genetic Variant on PLIN4 is associated with Obesity related phenotypes. Poster Presentation. Orthopaedic Research Society, San Francisco CA. February 2012.
76. Abdel-Ghani M, **Tosi LL**, Devaney J, Spock T, Kuhn K, Rupe E, Griffs C, Gordish-Dressman H, Hoffman EP, Clarkson P. Genetic Variant on PLIN4 is Associated with Obesity Phenotypes and BMC in Females. Poster Presentation. ASBMR Topical Meeting: Bone and Skeletal Muscle Interactions, Kansas City, MS. July 2012.
77. Abdel-Ghani M, **Tosi LL**, Devaney J, Spock T, Kuhn K, Rupe E, Griffs C, Gordish-Dressman H, Hoffman EP, Clarkson P. Genetic Variant on PLIN4 is Associated with Obesity Phenotypes and BMC in Females. Poster Presentation. ASBMR Annual Meeting Minneapolis, MN. October 2012.
78. Rupe E, **Tosi LL**, Spock T, Kuhn K, Abdel-Ghani M, Griffs C, Gordish-Dressman H, Hoffman EP, Devaney J. Polymorphisms Associated with Physical Activity and Body Composition. Poster Presentation. ASBMR Topical Meeting: Bone and Skeletal Muscle Interactions, Kansas City, MS. July 2012.
79. O'Malley C, Balasubramanian A, Dirschl D, Ho PR, Lane, J, **Tosi LL**. Osteoporosis Treatment Following Fragility Fracture Remains Unaddressed Despite Available therapies and Established Recommendations. Poster Presentation. ASBMR, Minneapolis MN. October 2012.
80. O'Malley C, Balasubramanian A, Dirschl D, Ho PR, Lane, J, **Tosi LL**. Osteoporosis Treatment Following Fragility Fracture Remains Unaddressed Despite Available therapies and Established Recommendations. Poster Presentation. CNH Research Day. 2012.
81. O'Malley C, Balasubramanian A, Dirschl D, Ho PR, Lane, J, **Tosi LL**. Osteoporosis Treatment Following Fragility Fracture Remains Unaddressed Despite Available therapies and Established Recommendations. Poster Presentation. GW Research Day. 2012.
82. Lipof JS, Clifford, HS, Norrell K, Rentas V, Leo N, Choi R, Abdel-Ghani M, Sprouse CA, Gordish-Dressman H, Clarkson P, Hoffman EP, Devaney J, **Tosi LL**. A Variant in SLC30A8 Gene is Associated with Skeletal Muscle Size and Damage in Young Men. Poster Presentation. GW Research Day. 2012.
83. Lipof JS, Clifford, HS, Norrell K, Rentas V, Leo N, Choi R, Abdel-Ghani M, Sprouse CA, Gordish-Dressman H, Clarkson P, Hoffman EP, Devaney J, **Tosi LL**. A Variant in SLC30A8 Gene is Associated with Skeletal Muscle Size and Damage in Young Men. Poster Presentation. CNH Research Day. 2012.
84. Leo N, Abdel-Ghani M, Rentas V, Choi R, Lipof J, Clifford H, Norell K, Sprouse K, Gordish-Dressman H, Ryan LM, Hoffman EP, Devaney J, **Tosi LL**. Influence of APOL1 Haplotype on Forearm Fracture Risk and Vitamin D status in African American Children. Poster Presentation. GW Research Day. 2012.
85. Leo N, Abdel-Ghani M, Rentas V, Choi R, Lipof J, Clifford H, Norell K, Sprouse K, Gordish-Dressman H, Ryan LM, Hoffman EP, Devaney J, **Tosi LL**. Influence of APOL1 Haplotype on Forearm Fracture Risk and Vitamin D status in African American Children. Poster Presentation. CNH Research Day. 2012.
86. Leo N, Abdel-Ghani M, Rentas V, Choi R, Lipof J, Clifford H, Norell K, Sprouse K, Gordish-

- Dressman H, Ryan LM, Hoffman EP, Devaney J, **Tosi LL**. Influence of APOL1 Haplotype on Forearm Fracture Risk and Vitamin D status in African American Children. Poster Presentation. Orthopaedic Research Society, San Antonio, TX. January 2013.
87. Lipof JS, Clifford, HS, Norrell K, Rentas V, Leo N, Choi R, Abdel-Ghani M, Sprouse CA, Gordish-Dressman H, Clarkson P, Hoffman EP, Devaney J, **Tosi LL**. A Variant in SLC30A8 Gene is Associated with Skeletal Muscle Size and Damage in Young Men. Poster Presentation. Orthopaedic Research Society, San Antonio, TX. January 2013.
88. Abdel-Ghani M, Sprouse C, Leo N, Rentas V, Choi R, Lipof J, Clifford H, Norrell K, Gordish-Dressman H, Haddad F, Radom-Aizik S, Adams G, Hoffman EP, **Tosi LL**, Devaney J. Global Methylation Profiles Associated with Genetic Variant in PLIN4. Poster Presentation. Orthopaedic Research Society, San Antonio, TX. January 2013.
89. Choi R, **Tosi LL**, Abdel-Ghani M, Gordish-Dressman H, Hoffman EP, Clarkson P, Devaney J. A Variant in the ADCY5 gene is associated with whole muscle volume and subcutaneous fat volume phenotypes. Poster Presentation. Orthopaedic Research Society, San Antonio, TX. January 2013.
90. Choi R, **Tosi LL**, Abdel-Ghani M, Gordish-Dressman H, Hoffman EP, Clarkson P, Devaney J. A Variant in the ADCY5 gene is associated with whole muscle volume and subcutaneous fat volume phenotypes. Poster Presentation. CNH Research Day. 2013.
91. Choi R, **Tosi LL**, Abdel-Ghani M, Gordish-Dressman H, Hoffman EP, Clarkson P, Devaney J. A Variant in the ADCY5 gene is associated with whole muscle volume and subcutaneous fat volume phenotypes. Poster Presentation. GW Research Day. 2013.
92. Norrell K, Lipof J, Clifford H, Abdel-Ghani M, Rentas V, Leo N, Sprouse C, Choi R, Gordish-Dressman H, Haddad F, Radom-Aizik S, Adams G, Hoffman EP, **Tosi LL**, Devaney JM. FTO Variant is Associated with Difference in Global Methylation in Skeletal Muscle. Poster Presentation. Orthopaedic Research Society San Antonio, TX. January 2013.
93. Norrell K, Lipof J, Clifford H, Abdel-Ghani M, Rentas V, Leo N, Sprouse C, Choi R, Gordish-Dressman H, Haddad F, Radom-Aizik S, Adams G, Hoffman EP, **Tosi LL**, Devaney JM. FTO Variant is Associated with Difference in Global Methylation in Skeletal Muscle. Poster Presentation. GW Research Day. 2013.
94. Norrell K, Lipof J, Clifford H, Abdel-Ghani M, Rentas V, Leo N, Sprouse C, Choi R, Gordish-Dressman H, Haddad F, Radom-Aizik S, Adams G, Hoffman EP, **Tosi LL**, Devaney JM. FTO Variant is Associated with Difference in Global Methylation in Skeletal Muscle. Poster Presentation. GW Research Day 2013.
95. Abdel-Ghani M, Sprouse C, Leo N, Rentas V, Choi R, Lipof J, Clifford H, Norrell K, Gordish-Dressman H, Haddad F, Radom-Aizik S, Adams G, Hoffman EP, **Tosi LL**, Devaney J. Global Methylation Profiles Associated with Genetic Variant in PLIN4. Poster Presentation. CNH Research Day. April 2013.
96. Choi R, **Tosi LL**, Abdel-Ghani M, Gordish-Dressman H, Hoffman EP, Clarkson P, Devaney J. A Variant in the ADCY5 gene is associated with whole muscle volume and subcutaneous fat volume phenotypes. Poster Presentation. GW Research Day. 2013.
97. Choi R, **Tosi LL**, Abdel-Ghani M, Gordish-Dressman H, Hoffman EP, Clarkson P, Devaney J. A Variant in the ADCY5 gene is associated with whole muscle volume and subcutaneous fat

volume phenotypes. Poster Presentation. CNH Research Day. 2013.

98. Clifford H, Norrell K, Lipof J, Abdel-Ghani M, Rentas V, Sprouse C, Choi R, Gordish-Dressman H, Haddad F, Radom-Azik S, Adams G, Hoffman EP, **Tosi LL**, Devaney JM. A functional variant in the SPP1 Promoter Affects Global Methylation in Skeletal Muscle. Poster Presentation. American College of Sports Medicine, Kansas City, MS. June 2013.
99. Clifford H, Norrell K, Lipof J, Abdel-Ghani M, Rentas V, Sprouse C, Choi R, Gordish-Dressman H, Haddad F, Radom-Azik S, Adams G, Hoffman EP, **Tosi LL**, Devaney JM. A functional variant in the SPP1 Promoter Affects Global Methylation in Skeletal Muscle. Poster Presentation. GW Research Day. 2013.
100. Clifford H, Norrell K, Lipof J, Abdel-Ghani M, Rentas V, Sprouse C, Choi R, Gordish-Dressman H, Haddad F, Radom-Azik S, Adams G, Hoffman EP, **Tosi LL**, Devaney JM. A functional variant in the SPP1 Promoter Affects Global Methylation in Skeletal Muscle. Poster Presentation. CNH Research Day. 2013.
101. Norrell K, Lipof J, Clifford H, Abdel-Ghani M, Rentas V, Leo N, Sprouse C, Choi R, Gordish-Dressman H, Haddad F, Radom-Azik S, Adams G, Hoffman EP, **Tosi LL**, Devaney JM. FTO Variant is Associated with Difference in Global Methylation in Skeletal Muscle. Poster Presentation. GW Research Day. 2013.
102. Norrell K, Lipof J, Clifford H, Abdel-Ghani M, Rentas V, Leo N, Sprouse C, Choi R, Gordish-Dressman H, Haddad F, Radom-Azik S, Adams G, Hoffman EP, **Tosi LL**, Devaney JM. FTO Variant is Associated with Difference in Global Methylation in Skeletal Muscle. Poster Presentation. CNH Research Day. 2013.
103. Sprouse C, **Tosi LL**, Lipof J, Abdel-Ghani M, Norrell K, Leo N, Rentas V, Clifford H, Gordish-Dressman H, Hoffman EP, Kelly K, Devaney J. A Variant in Muscle Specific Creatine Kinase Associated with Measures of Physical Performance. Poster Presentation. CNH Research Day. 2013.
104. Sprouse C, **Tosi LL**, Lipof J, Abdel-Ghani M, Norrell K, Leo N, Rentas V, Clifford H, Gordish-Dressman H, Hoffman EP, Kelly K, Devaney J. A Variant in Muscle Specific Creatine Kinase Associated with Measures of Physical Performance. Poster Presentation. GW Research Day. 2013.
105. Rentas V, Abdel-Ghani M, Leo N, Choi R, Lipof J, Clifford H, Norrell K, Sprouse C, Gordish-Dressman G, Hoffman EP, Clarkson P, Devaney JM, **Tosi LL**. BMP2 Gene Polymorphisms are Associated with Biomarkers of Skeletal Muscle Damage and Strength Loss. Poster Presentation. National Medical Association. 2012.
106. Rentas V, Abdel-Ghani M, Leo N, Choi R, Lipof J, Clifford H, Norrell K, Sprouse C, Gordish-Dressman G, Hoffman EP, Clarkson P, Devaney JM, **Tosi LL**. BMP2 Gene Polymorphisms are Associated with Biomarkers of Skeletal Muscle Damage and Strength Loss. Poster Presentation. GW Research Day. 2013.
107. Rentas V, Abdel-Ghani M, Leo N, Choi R, Lipof J, Clifford H, Norrell K, Sprouse C, Gordish-Dressman G, Hoffman EP, Clarkson P, Devaney JM, **Tosi LL**. BMP2 Gene Polymorphisms are Associated with Biomarkers of Skeletal Muscle Damage and Strength Loss. Poster Presentation. CNH Research Day. April 2013.
108. **Tosi LL**, McKiernan F, Oetgen M, Rak M, Floor M, Mulroy K, Simmonds B, Mancuso A,

Kennelly A, Greco L, Blankenship W, Hart T, Huber MB. Beyond Brittle Bones: The Osteogenesis Imperfecta Adult Natural History Initiative. Poster Presentation. CNH Research Day. April 2013.

109. **Tosi LL**, McKiernan F, Oetgen M, Rak M, Floor M, Mulroy K, Simmonds B, Mancuso A, Kennelly A, Greco L, Blankenship W, Hart T, Huber MB. Beyond Brittle Bones: The Osteogenesis Imperfecta Adult Natural History Initiative. Poster Presentation. International Children's Bone Health meeting, Rotterdam The Netherlands. June 2013.
110. Bunta A, Edwards B, Macaulay W, Jeray K, **Tosi LL**, Jones C, Sietsema D, Kaufman J, Murphy S, Goulet J, Friedlander G, Swiontkowski M, Dirschl D. Own the Bone: A system-based intervention to improve osteoporosis care after fragility fractures. Poster Presentation. American Society for Bone and Mineral Research, Baltimore MD. October 2013.
111. Bunta A, Edwards B, Macaulay W, Jeray K, **Tosi LL**, Jones C, Sietsema D, Kaufman J, Murphy S, Goulet J, Friedlander G, Swiontkowski M, Dirschl D. Own the Bone: A system-based intervention to improve osteoporosis care after fragility fractures. Poster Presentation. CNH Research Day. 2013.
112. Bunta A, Edwards B, Macaulay W, Jeray K, **Tosi LL**, Jones C, Sietsema D, Kaufman J, Murphy S, Goulet J, Friedlander G, Swiontkowski M, Dirschl D. Own the Bone: A system-based intervention to improve osteoporosis care after fragility fractures. Poster Presentation. GW Research Day. 2013.
113. O'Malley C, Balasubramanian A, Dirschl D, Ho PR, Lane J, **Tosi LL**. Factors Associated with Osteoporosis Treatment Following Fragility Fracture. Poster Presentation. American Society for Bone and Mineral Research, Baltimore MD. October 2013.
114. O'Malley C, Balasubramanian A, Dirschl D, Ho PR, Lane J, **Tosi LL**. Factors Associated with Osteoporosis Treatment Following Fragility Fracture. Poster Presentation. GW Research Day. October 2013.
115. O'Malley C, Balasubramanian A, Dirschl D, Ho PR, Lane J, **Tosi LL**. Factors Associated with Osteoporosis Treatment Following Fragility Fracture. Poster Presentation. CNH Research Day. October 2013.
116. Sprouse C, **Tosi LL**, Lipof J, Abdi-Ghani M, Clifford H, Norrell K, Leo N, Rentas V, Gordish-Dressman H, Devaney J, Kelly K. CKMM Polymorphism Is Associated with Physical Fitness Test Scores In Military Recruits. Poster Presentation. American Society for Bone and Mineral Research, Baltimore MD. October 2013.
117. **Tosi LL**, Oetgen M, Rak M, Floor M, Tucker C, Hart T, Huber MB, McKiernan F. The Osteogenesis Imperfecta Adult Natural History Initiative: a web-based survey. Poster Presentation. American Society for Bone and Mineral Research, Baltimore MD. October 2013.
118. Sprouse C, Devaney JM, Gordish-Dressman H, Ryan LM, **Tosi LL**. Interaction between Genetic Variants Related to Type 2 Diabetes and Bone Phenotypes in Young African Americans. Poster Presentation. American Federation for Medical Research. 2014.
119. Sprouse C, Devaney JM, Gordish-Dressman H, Ryan LM, **Tosi LL**. Interaction between Genetic Variants Related to Type 2 Diabetes and Bone Phenotypes in Young African Americans. Poster Presentation. American College of Sports Medicine. 2014.

120. Hijji F, Sprouse C, Slezak T, D'Agostini A, Okafor C, Hoffman EP, Gordish-Dressman H, **Tosi LL**, Devaney JM. Genetic Polymorphisms Associated with Muscle Damage and Exertional Rhabdomyolysis. Poster Presentation. Orthopedic Research Society New Orleans LA. March 2014.
121. Hijji F, Sprouse C, Slezak T, D'Agostini A, Okafor C, Hoffman EP, Gordish-Dressman H, **Tosi LL**, Devaney JM. Genetic Polymorphisms Associated with Muscle Damage and Exertional Rhabdomyolysis. Poster Presentation. GW Research Day. April 2014.
122. Hijji F, Sprouse C, Slezak T, D'Agostini A, Okafor C, Hoffman EP, Gordish-Dressman H, **Tosi LL**, Devaney JM. Genetic Polymorphisms Associated with Muscle Damage and Exertional Rhabdomyolysis. Poster Presentation. Orthopedic Research Society New Orleans LA March 2014. CNH Research Day. April 2014.
123. Gordish-Dressman H, Sprouse C, Ryan LM, **Tosi LL**, Devaney JM. A Variant In The Fat Mass And Obesity Associated (fto) Is Associated With Bone Mineral Density, But Not Forearm Fracture Risk In A Pediatric African-American Cohort. Poster Presentation. American College of Sports Medicine New Orleans LA. May 2014.
124. **Tosi LL**, Sprouse C, Gordish-Dressman H, Ryan LM, Devaney JM. Calcium intake modulates obesity phenotypes in African American children possessing risk alleles for development of Type 2 Diabetes. Poster Presentation. American Federation for Medical Research Eastern Regional Meeting, Washington DC. April 2014.
125. **Tosi LL** Sprouse C, Gordish-Dressman H, Ryan LM, Devaney JM. Calcium intake modulates obesity phenotypes in African American children possessing risk alleles for development of Type 2 Diabetes. Poster Presentation. CNH Research Week. April 2014.
126. Sprouse C, **Tosi LL**, Harmon B, Gordish-Dressman H, Ryan LM, Devaney JM. Global Methylation of Fracture Risk in a Cohort of Young African Americans with Forearm Fractures. Poster Presentation. CNH Research Week. April 2014.
127. Slezak TM, Sprouse C, D'Agostini AJ, Hijji F, Okafor C, Ryan LM, Hoffman EP, Gordish-Dressman H, Devaney JM, **Tosi LL**. Validation of Genetic Variants Associated with Physical Activity in a young African American cohort. Poster Presentation. American Federation for Medical Research, Washington DC. April 2014.
128. Slezak TM, Sprouse C, D'Agostini AJ, Hijji F, Okafor C, Ryan LM, Hoffman EP, Gordish-Dressman H, Devaney JM, **Tosi LL**. Validation of Genetic Variants Associated with Physical Activity in a young African American cohort. Poster Presentation. GW Research Day. April 2014.
129. Slezak TM, Sprouse C, D'Agostini AJ, Hijji F, Okafor C, Ryan LM, Hoffman EP, Gordish-Dressman H, Devaney JM, **Tosi LL**. Validation of Genetic Variants Associated with Physical Activity in a young African American cohort. Poster Presentation. CNH Research Day. April 2014.
130. D'Agostini AJ, Sprouse C, Ryan LM, Gordish-Dressman H, Slezak T, Okafor CA, Hijji F, Devaney JM, **Tosi LL**. Genetic Variants located within genes involved in the vitamin D metabolic pathway are not associated with serum vitamin D levels in African American children. Poster Presentation. Orthopaedic Research Society, New Orleans, LA. March 2014.

131. D'Agostini AJ, Sprouse C, Ryan LM, Gordish-Dressman H, Slezak T, Okafor CA, Hijji F, Devaney JM, **Tosi LL**. Genetic Variants located within genes involved in the vitamin D metabolic pathway are not associated with serum vitamin D levels in African American children. Poster Presentation. CNH Research Day. 2014.
132. D'Agostini AJ, Sprouse C, Ryan LM, Gordish-Dressman H, Slezak T, Okafor CA, Hijji F, Devaney JM, **Tosi LL**. Genetic Variants located within genes involved in the vitamin D metabolic pathway are not associated with serum vitamin D levels in African American children. Poster Presentation. GW Research Day. 2014.
133. McKesey J, Sprouse C, Gordish-Dressman H, Dominic E, Hedges E, Kendrick Z, Liu M, Leticia Ryan LM, Eric Hoffman E, Devaney JM, **Tosi LL**. A Genetic Variant in the Gamma Glutamyl Carboxylase Gene Affects Bone Quality in a Pediatric African American Cohort. 2015. Poster Presentation. ORS in Las Vegas, NV. March 28-31, 2015.
134. McKesey J, Sprouse C, Gordish-Dressman H, Dominic E, Hedges E, Kendrick Z, Liu M, Leticia Ryan LM, Eric Hoffman E, Devaney JM, **Tosi LL**. A Genetic Variant in the Gamma Glutamyl Carboxylase Gene Affects Bone Quality in a Pediatric African American Cohort. 2015. Poster Presentation. GW Research Day. 2015.
135. McKesey J, Sprouse C, Gordish-Dressman H, Dominic E, Hedges E, Kendrick Z, Liu M, Leticia Ryan LM, Eric Hoffman E, Devaney JM, **Tosi LL**. A Genetic Variant in the Gamma Glutamyl Carboxylase Gene Affects Bone Quality in a Pediatric African American Cohort. Poster Presentation. CNH Research Day. 2015.
136. Liu M, Sprouse CA, Gordish-Dressman H, Hedges E, Kendrick Z, Dominic E, McKesey J, Ryan LM, Devaney JM, **Tosi LL**. Susceptibility to Obesity and Bone Mineral Density in Young African American Populations. Poster Presentation. ORS, Las Vegas. NV. March 28-31, 2015.
137. Liu M, Sprouse CA, Gordish-Dressman H, Hedges E, Kendrick Z, Dominic E, McKesey J, Ryan LM, Devaney JM, **Tosi LL**. Susceptibility to Obesity and Bone Mineral Density in Young African American Populations. Poster Presentation. CNH Research Day. 2015.
138. Liu M, Sprouse CA, Gordish-Dressman H, Hedges E, Kendrick Z, Dominic E, McKesey J, Ryan LM, Devaney JM, **Tosi LL**. Susceptibility to Obesity and Bone Mineral Density in Young African American Populations. Poster Presentation. GW Research Day. 2015.
139. Kendrick Z, Sprouse C, Gordish-Dressman H, Liu M, Hedges E, Dominic E, McKesey J, Hittel D, Many GM, Barfield W, Hoffman E, Devaney JM, **Tosi LL**. Type 2 diabetes associated beta-adrenergic receptor polymorphisms are independently associated with BMI and physical activity in college-age populations. Poster Presentation. ORS. Las Vegas, NV. March 28-31, 2015.
140. Kendrick Z, Sprouse C, Gordish-Dressman H, Liu M, Hedges E, Dominic E, McKesey J, Hittel D, Many GM, Barfield W, Hoffman E, Devaney JM, **Tosi LL**. Type 2 diabetes associated beta-adrenergic receptor polymorphisms are independently associated with BMI and physical activity in college-age populations. Poster Presentation. GW Research Day. 2015.
141. Kendrick Z, Sprouse C, Gordish-Dressman H, Liu M, Hedges E, Dominic E, McKesey J, Hittel D, Many GM, Barfield W, Hoffman E, Devaney JM, **Tosi LL**. Type 2 diabetes associated beta-adrenergic receptor polymorphisms are independently associated with BMI and physical activity in college-age populations. Poster Presentation. CNH Research Day. 2015.

142. Hedges EA, Sprouse C, Gordish-Dressman H, Liu M, Kendrick Z, Dominic E, McKesey J, Ryan LM, Hoffman E, Devaney JM, **Tosi LL**. Genetic Variation in Neuromedin U Influences Lean Body Mass and Bone Morphometry in Males. Poster Presentation. ORS, Las Vegas, NV. March 28-31, 2015.
143. Hedges EA, Sprouse C, Gordish-Dressman H, Liu M, Kendrick Z, Dominic E, McKesey J, Ryan LM, Hoffman E, Devaney JM, **Tosi LL**. Genetic Variation in Neuromedin U Influences Lean Body Mass and Bone Morphometry in Males. Poster Presentation. CNH Research Day. 2015.
144. Hedges EA, Sprouse C, Gordish-Dressman H, Liu M, Kendrick Z, Dominic E, McKesey J, Ryan LM, Hoffman E, Devaney JM, **Tosi LL**. Genetic Variation in Neuromedin U Influences Lean Body Mass and Bone Morphometry in Males. Poster Presentation. GW Research Day. 2015.
145. Dominic E, Sprouse C, Gordish-Dressman H, Kendrick Z, Liu M, Hedges E, McKesey J, Hoffman E, Devaney JM, **Tosi LL**. COL5A1 variant is associated with body composition and physical activity in males. Poster Presentation. ORS in Las Vegas, NV. March 28-31, 2015.
146. Dominic E, Sprouse C, Gordish-Dressman H, Kendrick Z, Liu M, Hedges E, McKesey J, Hoffman E, Devaney JM, **Tosi LL**. COL5A1 variant is associated with body composition and physical activity in males. Poster Presentation. GW Research Day. 2015.
147. Dominic E, Sprouse C, Gordish-Dressman H, Kendrick Z, Liu M, Hedges E, McKesey J, Hoffman E, Devaney JM, **Tosi LL**. COL5A1 variant is associated with body composition and physical activity in males. Poster Presentation. CNH Research Day. 2015.
148. Payette C, Sprouse C, Goerlich C, Gordish-Dressman H, Lynch T, Flynn H, Ryan LM, Hoffman E, Hubal MJ, Thompson PD, Angelopoulos TJ, Gordon PM, Moyna NM, Pescatello LS, Visich PS, Zoeller RF, **Tosi LL**. Single Nucleotide Polymorphisms in CLDN14 and SMOC1 Affecting Bone Mineral Density Influence Other Musculoskeletal Traits. Poster Presentation. ORS, Orlando, FL. March 5-8, 2016.
149. Payette C, Sprouse C, Goerlich C, Gordish-Dressman H, Lynch T, Flynn H, Ryan LM, Hoffman E, Hubal MJ, Thompson PD, Angelopoulos TJ, Gordon PM, Moyna NM, Pescatello LS, Visich PS, Zoeller RF, **Tosi LL**. Single Nucleotide Polymorphisms in CLDN14 and SMOC1 Affecting Bone Mineral Density Influence Other Musculoskeletal Traits. Poster Presentation. CNH Research Week. 2016.
150. Payette C, Sprouse C, Goerlich C, Gordish-Dressman H, Lynch T, Flynn H, Ryan LM, Hoffman E, Hubal MJ, Thompson PD, Angelopoulos TJ, Gordon PM, Moyna NM, Pescatello LS, Visich PS, Zoeller RF, **Tosi LL**. Single Nucleotide Polymorphisms in CLDN14 and SMOC1 Affecting Bone Mineral Density Influence Other Musculoskeletal Traits. Poster Presentation. GW Research Day. 2016.
151. Lynch T, Sprouse C, Goerlich C, Gordish-Dressman H, Payette C, Flynn H, Ryan LM, Devaney JM, Hoffman E, Riska K, **Tosi LL**. GCKR and DGKD Single Nucleotide Polymorphisms with Effects on Serum Calcium Influence Other Musculoskeletal Traits. Poster Presentation. ORS, Orlando, FL. March 5-8, 2016.
152. Lynch T, Sprouse C, Goerlich C, Gordish-Dressman H, Payette C, Flynn H, Ryan LM, Devaney JM, Hoffman E, Riska K, **Tosi LL**. GCKR and DGKD Single Nucleotide

Polymorphisms with Effects on Serum Calcium Influence Other Musculoskeletal Traits. Poster Presentation. ORS, CNH Research Week. 2016.

153. Lynch T, Sprouse C, Goerlich C, Gordish-Dressman H, Payette C, Flynn H, Ryan LM, Devaney JM, Hoffman E, Riska K, **Tosi LL**. GCKR and DGKD Single Nucleotide Polymorphisms with Effects on Serum Calcium Influence Other Musculoskeletal Traits. Poster Presentation. GW Research Day. 2016.
154. Flynn HC, Sprouse C, Gordish-Dressman H, Payette C, Lynch T, Mason BS, Ryan LM, **Tosi LL**. Genetic Variants in the LRP5 and RUNX2 Genes Affect Bone Quality in a Pediatric African American Cohort. Poster Presentation. ORS, Orlando, FL. March 5-8, 2016.
155. Flynn HC, Sprouse C, Gordish-Dressman H, Payette C, Lynch T, Mason BS, Ryan LM, **Tosi LL**. Genetic Variants in the LRP5 and RUNX2 Genes Affect Bone Quality in a Pediatric African American Cohort. Poster Presentation. CNH Research Week. 2016.
156. Flynn HC, Sprouse C, Gordish-Dressman H, Payette C, Lynch T, Mason BS, Ryan LM, **Tosi LL**. Genetic Variants in the LRP5 and RUNX2 Genes Affect Bone Quality in a Pediatric African American Cohort. Poster Presentation. GW Research Day. 2016.
157. Swenson S, Cohen J, Attenasio A, Gu A, Gordish-Dressman H, Floor M, Harmon B, Hoffman E, Hittel D, Ryan L, Knoblach S, Devaney J, **Tosi LL**. Validation of a Genetic Risk Score Based on Single Nucleotide Polymorphisms Implicated in Adult Bone Fragility and Associated with Pediatric Bone Density. Poster Presentation. ORS, San Diego, CA. March 19-22, 2017.
158. Swenson S, Cohen J, Attenasio A, Gu A, Gordish-Dressman H, Floor M, Harmon B, Hoffman E, Hittel D, Ryan L, Knoblach S, Devaney J, **Tosi LL**. Validation of a Genetic Risk Score Based on Single Nucleotide Polymorphisms Implicated in Adult Bone Fragility and Associated with Pediatric Bone Density. Poster Presentation. CNH Research Week. 2017.
159. Swenson S, Cohen J, Attenasio A, Gu A, Gordish-Dressman H, Floor M, Harmon B, Hoffman E, Hittel D, Ryan L, Knoblach S, Devaney J, **Tosi LL**. Validation of a Genetic Risk Score Based on Single Nucleotide Polymorphisms Implicated in Adult Bone Fragility and Associated with Pediatric Bone Density. Poster Presentation. GW Research Day. 2017.
160. Cohen JS, Attenasio A, Swenson S, Gu A, Gordish-Dressman H, Floor M, Harmon B, Hoffman E, Hittel D, Knoblach S, Devaney J, **Tosi LL**. Vitamin D Receptor Polymorphisms are Associated with Baseline Muscle Strength and Response to Strength Training. Poster Presentation. ORS, San Diego, CA. March 19-22, 2017.
161. Cohen JS, Attenasio A, Swenson S, Gu A, Gordish-Dressman H, Floor M, Harmon B, Hoffman E, Hittel D, Knoblach S, Devaney J, **Tosi LL**. Vitamin D Receptor Polymorphisms are Associated with Baseline Muscle Strength and Response to Strength Training. Poster Presentation. GW Research Day. 2017.
162. Cohen JS, Attenasio A, Swenson S, Gu A, Gordish-Dressman H, Floor M, Harmon B, Hoffman E, Hittel D, Knoblach S, Devaney J, **Tosi LL**. Vitamin D Receptor Polymorphisms are Associated with Baseline Muscle Strength and Response to Strength Training. Poster Presentation. CNH Research Week. 2017.
163. Attenasio A, Cohen J, Swenson S, Gu A, Floor M, Gordish-Dressman H, Harmon B, Hoffman E, Hittel D, Ryan LM, Knoblach S, Devaney J, **Tosi LL**. Influence of Single Polymorphic Nucleotides Known to Affect Pediatric Body Mass Index on Musculoskeletal Phenotypes in

Children and Young Adults. Poster Presentation. ORS, San Diego, CA. March 19-22, 2017.

164. Attenasio A, Cohen J, Swenson S, Gu A, Floor M, Gordish-Dressman H, Harmon B, Hoffman E, Hittel D, Ryan LM, Knoblach S, Devaney J, **Tosi LL**. Influence of Single Polymorphic Nucleotides Known to Affect Pediatric Body Mass Index on Musculoskeletal Phenotypes in Children and Young Adults. Poster Presentation. GW Research Day. 2017.
165. Attenasio A, Cohen J, Swenson S, Gu A, Floor M, Gordish-Dressman H, Harmon B, Hoffman E, Hittel D, Ryan LM, Knoblach S, Devaney J, **Tosi LL**. Influence of Single Polymorphic Nucleotides Known to Affect Pediatric Body Mass Index on Musculoskeletal Phenotypes in Children and Young Adults. Poster Presentation. CNH Research Week. 2017.
166. **Tosi LL**, Floor MK, Goerlich CG, Hart TS, Holland RG, Cuthbertson DD, Sutton VR, Krischer JP. Web-based surveys using Patient-Reported Outcome Measurement Information System (PROMIS®) instruments capture important components of the Osteogenesis Imperfecta patient experience., 8th International Conference on Children's Bone Health, Wurzburg, Germany June 2017.
167. **Tosi L**. Orthopaedic Management of Leg Length Discrepancy in Proteus Syndrome: a case series 8th International Conference on Children's Bone Health, Wurzburg, Germany June 2017.
168. Zeller Z, Al-Amoodi MJH, Jones W, Lee D, McKenzie S, Miller HC, Stubblefield S, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. Impact Of Polymorphisms In PTK2 On Intrinsic Muscle Strength. Poster Presentation. ORS, New Orleans, LA. March 10-13, 2018.
169. Zeller Z, Al-Amoodi MJH, Jones W, Lee D, McKenzie S, Miller HC, Stubblefield S, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. Impact Of Polymorphisms In PTK2 On Intrinsic Muscle Strength. Poster Presentation. CNH Research Week. 2018.
170. Zeller Z, Al-Amoodi MJH, Jones W, Lee D, McKenzie S, Miller HC, Stubblefield S, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. Impact Of Polymorphisms In PTK2 On Intrinsic Muscle Strength. Poster Presentation. GW Research Day. 2018.
171. Miller HC, Zeller Z, Al-Amoodi MJH, Jones W, Lee D, McKenzie S, Stubblefield S, Knoblach S, Gordish-Dressman S, Hittel D, **Tosi LL**. PPARGC1A and IGF Polymorphisms Correlate with Greater Strength Performance in Healthy Young Adult Caucasian Cohorts. Poster Presentation. ORS, New Orleans, LA. March 10-13, 2018.
172. Miller HC, Zeller Z, Al-Amoodi MJH, Jones W, Lee D, McKenzie S, Stubblefield S, Knoblach S, Gordish-Dressman S, Hittel D, **Tosi LL**. PPARGC1A and IGF Polymorphisms Correlate with Greater Strength Performance in Healthy Young Adult Caucasian Cohorts. Poster Presentation. CNH Research Week. 2018.
173. Miller HC, Zeller Z, Al-Amoodi MJH, Jones W, Lee D, McKenzie S, Stubblefield S, Knoblach S, Gordish-Dressman S, Hittel D, **Tosi LL**. PPARGC1A and IGF Polymorphisms Correlate with Greater Strength Performance in Healthy Young Adult Caucasian Cohorts. Poster Presentation. GW Research Day. 2018.
174. McKenzie S, Miller HS, Zeller Z, Al-Amoodi MJH, Jones W, Lee D, Stubblefield S, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. Association Of Recently Described RANK And OPG Polymorphisms And Measures Of Bone Quality In Young Adults. Poster Presentation. ORS, New Orleans, LA. March 10-13, 2018.

175. McKenzie S, Miller HS, Zeller Z, Al-Amoodi MJH, Jones W, Lee D, Stubblefield S, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. Association Of Recently Described RANK And OPG Polymorphisms And Measures Of Bone Quality In Young Adults. Poster Presentation. GW Research Day. 2018.
176. McKenzie S, Miller HS, Zeller Z, Al-Amoodi MJH, Jones W, Lee D, Stubblefield S, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. Association Of Recently Described RANK And OPG Polymorphisms And Measures Of Bone Quality In Young Adults. Poster Presentation. CNH Research Week. 2018.
177. Lee D, McKenzie S, Miller HC, Zeller Z, Al-Amoodi MJH, Jones W, Stubblefield S, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. Effect Of Genetic Variation In GSTP1 And AXIN1 On Bone Mineral Density In Children And Young Adults. Poster Presentation. ORS, New Orleans, LA. March 10-13, 2018.
178. Lee D, McKenzie S, Miller HC, Zeller Z, Al-Amoodi MJH, Jones W, Stubblefield S, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. Effect Of Genetic Variation In GSTP1 And AXIN1 On Bone Mineral Density In Children And Young Adults. Poster Presentation. GW Research Day. 2018.
179. Lee D, McKenzie S, Miller HC, Zeller Z, Al-Amoodi MJH, Jones W, Stubblefield S, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. Effect Of Genetic Variation In GSTP1 And AXIN1 On Bone Mineral Density In Children And Young Adults. Poster Presentation. CNH Research Week. 2018.
180. Jones W, Lee D, McKenzie S, Miller HC, Zeller Z, Al-Amoodi MJH, Stubblefield S, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. Influence Of Genetic Variation In SNP Rs2854464 Within The ACVR1B Gene On Muscle Strength In Caucasian Cohorts. Poster Presentation. ORS, New Orleans, LA. March 10-13, 2018.
181. Jones W, Lee D, McKenzie S, Miller HC, Zeller Z, Al-Amoodi MJH, Stubblefield S, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. Influence Of Genetic Variation In SNP Rs2854464 Within The ACVR1B Gene On Muscle Strength In Caucasian Cohorts. Poster Presentation. GW Research Day. 2018.
182. Jones W, Lee D, McKenzie S, Miller HC, Zeller Z, Al-Amoodi MJH, Stubblefield S, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. Influence Of Genetic Variation In SNP Rs2854464 Within The ACVR1B Gene On Muscle Strength In Caucasian Cohorts. Poster Presentation. CNH Research Week. 2018.
183. Al-Amoodi MJH, Jones W, Lee D, McKenzie S, Miller HC, Zeller Z, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. The Association Of Polymorphism Rs3736228 Within The LRP5 Gene With Bone Mineral Density In A Cohort Of Caucasian. Poster Presentation. ORS, New Orleans, LA. March 10-13, 2018.
184. Al-Amoodi MJH, Jones W, Lee D, McKenzie S, Miller HC, Zeller Z, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. The Association Of Polymorphism Rs3736228 Within The LRP5 Gene With Bone Mineral Density In A Cohort Of Caucasian. Poster Presentation. CNH Research Week. 2018.
185. Al-Amoodi MJH, Jones W, Lee D, McKenzie S, Miller HC, Zeller Z, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. The Association Of Polymorphism Rs3736228 Within The

LRP5 Gene With Bone Mineral Density In A Cohort Of Caucasian. Poster Presentation. GW Research Day. 2018.

186. Richards SM, Ward CM, Lee R, Bestourous DE, Gillies AP, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. Association Of WNT16 And FAM3C SNPs With Bone And Muscle Phenotypes In Young Adults. Poster Presentation. ORS, Austin, TX. February 2-5, 2019.
187. Richards SM, Ward CM, Lee R, Bestourous DE, Gillies AP, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. Association Of WNT16 And FAM3C SNPs With Bone And Muscle Phenotypes In Young Adults. Poster Presentation. CNH Research Week. 2019.
188. Richards SM, Ward CM, Lee R, Bestourous DE, Gillies AP, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. Association Of WNT16 And FAM3C SNPs With Bone And Muscle Phenotypes In Young Adults. Poster Presentation. GW Research Day. 2019.
189. Bestourous DE, Lee R, Ward CM, Richards SM, Gillies AP, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. FAM210A and SOST Polymorphisms are Associated with Musculoskeletal Phenotypes in Healthy Young Adults. Poster Presentation. ORS, Austin, TX. February 2-5, 2019.
190. Bestourous DE, Lee R, Ward CM, Richards SM, Gillies AP, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. FAM210A and SOST Polymorphisms are Associated with Musculoskeletal Phenotypes in Healthy Young Adults. Poster Presentation. CNH Research Week. 2019.
191. Bestourous DE, Lee R, Ward CM, Richards SM, Gillies AP, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. FAM210A and SOST Polymorphisms are Associated with Musculoskeletal Phenotypes in Healthy Young Adults. Poster Presentation. GW Research Day. 2019.
192. Lee R, Bestourous DE, Richards SM, Ward CM, Gillies AP, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. Association of GREB1 Polymorphisms with Bone and Muscle Health Phenotypes. Poster Presentation. ORS, Austin, TX. February 2-5, 2019.
193. Lee R, Bestourous DE, Richards SM, Ward CM, Gillies AP, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. Association of GREB1 Polymorphisms with Bone and Muscle Health Phenotypes. Poster Presentation. GW Research Day. 2019.
194. Lee R, Bestourous DE, Richards SM, Ward CM, Gillies AP, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. Association of GREB1 Polymorphisms with Bone and Muscle Health Phenotypes. Poster Presentation. CNH Research Week. 2019.
195. Ward CM, Richards SM, Bestourous DE, Lee R, Gillies AP, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. Association Of SREBF1 And TOM1L2 Polymorphisms With Bone And Muscle Phenotypes. Poster Presentation. ORS, Austin, TX. February 2-5, 2019.
196. Ward CM, Richards SM, Bestourous DE, Lee R, Gillies AP, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. Association Of SREBF1 And TOM1L2 Polymorphisms With Bone And Muscle Phenotypes. Poster Presentation. GW Research Day. 2019.
197. Ward CM, Richards SM, Bestourous DE, Lee R, Gillies AP, Knoblach S, Gordish-Dressman H, Hittel D, **Tosi LL**. Association Of SREBF1 And TOM1L2 Polymorphisms With Bone And Muscle Phenotypes. Poster Presentation. CNH Research Week. 2019.

198. McGuinness JA, McClanahan M, Kapani N, Haimowitz S, Martin H, Panchapakesan K, Rajah E, Gillies A, Gordish-Dressman H, Hittel D, Hoffman E, **Tosi LL**. Sex-specific Influence Of ESR1 Single Nucleotide Polymorphisms On Bone Quality. Poster Presentation. CNH Research Week. 2020.
199. McGuinness JA, McClanahan M, Kapani N, Haimowitz S, Martin H, Panchapakesan K, Rajah E, Gillies A, Gordish-Dressman H, Hittel D, Hoffman E, **Tosi LL**. Sex-specific Influence Of ESR1 Single Nucleotide Polymorphisms On Bone Quality. Poster Presentation. ORS, Phoenix, AZ. February 8-11, 2020.
200. McGuinness JA, McClanahan M, Kapani N, Haimowitz S, Martin H, Panchapakesan K, Rajah E, Gillies A, Gordish-Dressman H, Hittel D, Hoffman E, **Tosi LL**. Sex-specific Influence Of ESR1 Single Nucleotide Polymorphisms On Bone Quality. Poster Presentation. GW Research Day. 2020.
201. Martin H, Haimowitz S, Kapani N, McClanahan M, McGuinness J, Panchapakesan K, Rajah E, Gillies A, Gordish-Dressman H, Hoffman E, Hittel D, **Tosi LL**. Genetic Variation In STARD3NL And RPS6KA5 Impacts Bone Quality In Healthy Young Adults. Poster Presentation. GW Research Day. 2020.
202. Martin H, Haimowitz S, Kapani N, McClanahan M, McGuinness J, Panchapakesan K, Rajah E, Gillies A, Gordish-Dressman H, Hoffman E, Hittel D, **Tosi LL**. Genetic Variation In STARD3NL And RPS6KA5 Impacts Bone Quality In Healthy Young Adults. Poster Presentation. CNH Research Week. 2020.
203. Martin H, Haimowitz S, Kapani N, McClanahan M, McGuinness J, Panchapakesan K, Rajah E, Gillies A, Gordish-Dressman H, Hoffman E, Hittel D, **Tosi LL**. Genetic Variation In STARD3NL And RPS6KA5 Impacts Bone Quality In Healthy Young Adults. Poster Presentation. ORS, Phoenix, AZ. February 8-11, 2020.
204. McClanahan M, Kapani N, Martin H, Haimowitz S, McGuinness J, Panchapakesan K, Rajah E, Gillies A, Hittel D, Hoffman E, Gordish-Dressman H, **Tosi LL**. Genetic Variants In FUBP3 And CTNNB1 Influence Musculoskeletal Phenotypes In Young Adults. Poster Presentation. CNH Research Week. 2020.
205. McClanahan M, Kapani N, Martin H, Haimowitz S, McGuinness J, Panchapakesan K, Rajah E, Gillies A, Hittel D, Hoffman E, Gordish-Dressman H, **Tosi LL**. Genetic Variants In FUBP3 And CTNNB1 Influence Musculoskeletal Phenotypes In Young Adults. Poster Presentation. ORS, Phoenix, AZ. February 8-11, 2020.
206. McClanahan M, Kapani N, Martin H, Haimowitz S, McGuinness J, Panchapakesan K, Rajah E, Gillies A, Hittel D, Hoffman E, Gordish-Dressman H, **Tosi LL**. Genetic Variants In FUBP3 And CTNNB1 Influence Musculoskeletal Phenotypes In Young Adults. Poster Presentation. GW Research Day. 2020.
207. Kapani N, McClanahan M, Martin H, Haimowitz S, McGuinness J, Panchapakesan K, Rajah E, Gillies A, Hittel D, Hoffman E, Gordish-Dressman H, **Tosi LL**. Genetic Variation In COLIA1 Rs1800012 Influences Skeletal Phenotypes In Young Adults. Poster Presentation. ORS, Phoenix, AZ. February 8-11, 2020.
208. Kapani N, McClanahan M, Martin H, Haimowitz S, McGuinness J, Panchapakesan K, Rajah E, Gillies A, Hittel D, Hoffman E, Gordish-Dressman H, **Tosi LL**. Genetic Variation In COLIA1

Rs1800012 Influences Skeletal Phenotypes In Young Adults. Poster Presentation. GW Research Day. 2020.

209. Kapani N, McClanahan M, Martin H, Haimowitz S, McGuinness J, Panchapakesan K, Rajah E, Gillies A, Hittel D, Hoffman E, Gordish-Dressman H, **Tosi LL**. Genetic Variation In COLIA1 Rs1800012 Influences Skeletal Phenotypes In Young Adults. Poster Presentation. CNH Research Week. 2020.
210. Haimowitz S, Kapani N, Martin H, McClanahan M, McGuinness J, Gillies A, Rajah E, Panchapakesan K, Hittel D, Gordish-Dressman H, **Tosi LL**. Genetic Variation In GDF5 And MIR196A2 Associated With Musculoskeletal Phenotypes In Young Adults. Poster Presentation. ORS, Phoenix, AZ. February 8-11, 2020.
211. Haimowitz S, Kapani N, Martin H, McClanahan M, McGuinness J, Gillies A, Rajah E, Panchapakesan K, Hittel D, Gordish-Dressman H, **Tosi LL**. Genetic Variation In GDF5 And MIR196A2 Associated With Musculoskeletal Phenotypes In Young Adults. Poster Presentation. GW Research Day. 2020.
212. Haimowitz S, Kapani N, Martin H, McClanahan M, McGuinness J, Gillies A, Rajah E, Panchapakesan K, Hittel D, Gordish-Dressman H, **Tosi LL**. Genetic Variation In GDF5 And MIR196A2 Associated With Musculoskeletal Phenotypes In Young Adults. Poster Presentation. CNH Research Week. 2020.
213. Schwartz RH, Agarwal AR, Brown LG, El Shatanofy M, Pond KM, Panchapakesan K, Rajah EN, Gillies AP, Hittel D, Hoffman E, Gordish-Dressman H, **Tosi LL**. Genetic Variation In C7ORF76 Rs4727338 And Rs4342521 Associated With Musculoskeletal Phenotypes In Young Adults. Poster Presentation. ORS, virtual conference. February 12-16, 2021.
214. Schwartz RH, Agarwal AR, Brown LG, El Shatanofy M, Pond KM, Panchapakesan K, Rajah EN, Gillies AP, Hittel D, Hoffman E, Gordish-Dressman H, **Tosi LL**. Genetic Variation In C7ORF76 Rs4727338 And Rs4342521 Associated With Musculoskeletal Phenotypes In Young Adults. Poster Presentation. GW Research Day, virtual. 2021.
215. Schwartz RH, Agarwal AR, Brown LG, El Shatanofy M, Pond KM, Panchapakesan K, Rajah EN, Gillies AP, Hittel D, Hoffman E, Gordish-Dressman H, **Tosi LL**. Genetic Variation In C7ORF76 Rs4727338 And Rs4342521 Associated With Musculoskeletal Phenotypes In Young Adults. Poster Presentation. CNH Research Week, virtual. 2021.
216. Pond KM, Schwartz RH, Agarwal AR, Brown LG, El Shatanofy M, Panchapakesan K, Rajah EN, Gillies AP, Hittel D, Hoffman E, Gordish-Dressman H, **Tosi LL**. Genetic Variation In PPP6R3 And FGFR4 Associated With Bone Phenotypes In Young Adults. 2020. Poster Presentation. ORS virtual conference. February 12-16, 2021.
217. Pond KM, Schwartz RH, Agarwal AR, Brown LG, El Shatanofy M, Panchapakesan K, Rajah EN, Gillies AP, Hittel D, Hoffman E, Gordish-Dressman H, **Tosi LL**. Genetic Variation In PPP6R3 And FGFR4 Associated With Bone Phenotypes In Young Adults. Poster Presentation. CNH Research Week, virtual. 2021.
218. Pond KM, Schwartz RH, Agarwal AR, Brown LG, El Shatanofy M, Panchapakesan K, Rajah EN, Gillies AP, Hittel D, Hoffman E, Gordish-Dressman H, **Tosi LL**. Genetic Variation In PPP6R3 And FGFR4 Associated With Bone Phenotypes In Young Adults. Poster Presentation. GW Research Day, virtual. 2021.

219. Agarwal AR, Brown LG, El Shatanofy M, Pond KM, Schwartz RH, Panchapakesan K, Rajah EN, Gillies AP, Hittel D, Hoffman E, Gordish-Dressman H, **Tosi LL**. C7ORF76 Variants Associated With Bone Quality Measures In Young Adults. Podium presentation. ORS virtual conference. February 12-16, 2021.
220. Agarwal AR, Brown LG, El Shatanofy M, Pond KM, Schwartz RH, Panchapakesan K, Rajah EN, Gillies AP, Hittel D, Hoffman E, Gordish-Dressman H, **Tosi LL**. C7ORF76 Variants Associated With Bone Quality Measures In Young Adults. Poster presentation. CNH Research Week, virtual. 2021.
221. Agarwal AR, Brown LG, El Shatanofy M, Pond KM, Schwartz RH, Panchapakesan K, Rajah EN, Gillies AP, Hittel D, Hoffman E, Gordish-Dressman H, **Tosi LL**. C7ORF76 Variants Associated With Bone Quality Measures In Young Adults. Poster presentation. GW Research Day, virtual. 2021.
222. Brown LG, El Shatanofy M, Pond KM, Schwartz RH, Agarwal AR, Panchapakesan K, Rajah EN, Gillies AP, Hittel D, Hoffman E, Gordish-Dressman H, **Tosi LL**. Genetic Variants In PIEZO2 Associated With Young Adult Caucasian Musculoskeletal Phenotypes. Podium presentation. ORS virtual conference. February 12-16, 2021.
223. Brown LG, El Shatanofy M, Pond KM, Schwartz RH, Agarwal AR, Panchapakesan K, Rajah EN, Gillies AP, Hittel D, Hoffman E, Gordish-Dressman H, **Tosi LL**. Genetic Variants In PIEZO2 Associated With Young Adult Caucasian Musculoskeletal Phenotypes. Poster presentation. CNH Research Week, virtual. 2021.
224. Brown LG, El Shatanofy M, Pond KM, Schwartz RH, Agarwal AR, Panchapakesan K, Rajah EN, Gillies AP, Hittel D, Hoffman E, Gordish-Dressman H, **Tosi LL**. Genetic Variants In PIEZO2 Associated With Young Adult Caucasian Musculoskeletal Phenotypes. Poster presentation. GW Research Day, virtual. 2021.
225. El Shatanofy M, Pond KM, Schwartz RH, Agarwal AR, Brown LG, Panchapakesan K, Rajah EN, Gillies AP, Hittel D, Hoffman E, Gordish-Dressman H, **Tosi LL**. Variations In PIEZO1 Rs62048221 Associated With Strength And Anthropometric Measures In Young Adults. Poster Presentation. ORS virtual conference. February 12-16, 2021.
226. El Shatanofy M, Pond KM, Schwartz RH, Agarwal AR, Brown LG, Panchapakesan K, Rajah EN, Gillies AP, Hittel D, Hoffman E, Gordish-Dressman H, **Tosi LL**. Variations In PIEZO1 Rs62048221 Associated With Strength And Anthropometric Measures In Young Adults. Poster Presentation. CNH Research Week, virtual. 2021.
227. El Shatanofy M, Pond KM, Schwartz RH, Agarwal AR, Brown LG, Panchapakesan K, Rajah EN, Gillies AP, Hittel D, Hoffman E, Gordish-Dressman H, **Tosi LL**. Variations In PIEZO1 Rs62048221 Associated With Strength And Anthropometric Measures In Young Adults. Poster Presentation. GW Research Day, virtual. 2021.

Any Other Publications

1. Smith L, Goldberg G, Brook R, **Tosi L**, Archibald R. In: The Health Insurance Study Screening Examination Procedure Manual. R-2101-H2W, RAND Corporation (Santa Monica, CA) September 1978.
2. **Tosi L**. Osteogenesis Imperfecta, Current Opinion in Pediatrics, 9:94-99, February, 1997.

3. **Tosi L.** Musculoskeletal Health: A Quality of Life Issue for all Americans - editorial. *Orthopedics Today* 18(2):3, 1998.
4. Duszynski B, **Tosi L.** The American Academy of Orthopaedic Surgeons' Oversight Panel on Women's Health.
5. **Tosi L.** Osteoporosis - Not Just a Woman's Disease -editorial. *Orthopedics Today* 19(3): 3-4, 1999
6. McGowan JA, **Tosi LL**, Drinkwater B, Taylor J. Bone and Musculoskeletal Disorders. In: Agenda for Research on Women's Health for the 21st Century; a Report of the Task Force on the NIH Women's Health Research Agenda for the 21st Century. NIH Publication No. 99-4389, 2:43-58, 1999.
7. **Tosi L** The Orthopaedic Health of Women: Osteoarthritis, Osteoporosis, Sports injuries and Frozen Shoulder Syndrome In: Agenda for Research on Women's Health for the 21st Century; a Report of the Task Force on the NIH Women's Health Research Agenda for the 21st Century. NIH Publication No. 99-4389, 3:171-173,1999.
8. **Tosi L** Musculoskeletal medicine and women's health - editorial. *J Musculoskeletal Medicine*, 16:554, 1999.
9. White PH, **Tosi LL**. Common Causes of Limp in Toddlers, Children, and Adolescents, *Rheumatology and Musculoskeletal Medicine for Primary Care*, 2(2):6-15, 2000.
10. **Tosi L**, Bouxsein M, Johnell O. Breaking Tradition: A New Look at Fracture Care. *American Academy of Orthopaedic Surgeons Bulletin*, 2003.
11. **Tosi L**, Johnell O, Lane J, Babitt A, Bouxsein M. Round Table Part I: Evaluating patients with fragility fractures: Orthopaedics Surgeons see these patients first. *Orthopaedics Today*, 2004.
12. **Tosi L**, Johnell O, Lane J, Babitt A, Bouxsein M. Round Table Part II: Evaluating patients with fragility fractures: Preventing refractures: the role of vitamin D, calcium, other agents. *Orthopaedics Today*, 2004.
13. **Tosi L**, Bouxsein M, Johnell O. COMMENTARY: THE AAOS Position Statement: Recommendations for Enhancing the Care of Patients with Fragility Fractures – A Call To Arms (and Hips, Vertebrae, etc.). *Techniques in Orthopaedics* 19:121-125, 2004.
14. **Tosi L.** The Surgeon General's Report on Bone Health and Osteoporosis: Impact on the Orthopaedic Surgeon.
15. **Tosi LL**, Kyle RF. Fragility fractures: the fall and decline of bone health. Web commentary on "Interventions to improve osteoporosis treatment following hip fracture" by Gardner et al. *J Bone Joint Surg Am* 87-A:1-2, 2005.
16. **Tosi LL.** Breaking with the past: preventing secondary fractures (editorial) *Current Concepts in Orthopaedics* 17(5):429-30, 2006.
17. **Tosi, LL**_Editor, Metabolic Bone Disease Section, *Current Opinion in Orthopaedic Surgery*, October 2006.

18. **Tosi LL**, Griffin L, O'Connor M, Guest Editors Sexual Dimorphism in Musculoskeletal Health, Orthopedic Clinics of North America, October 2006.
19. **Tosi LL** Web Commentary on "Knowledge and Opinions of Orthopaedic Surgeons Concerning Medical Evaluation and Treatment of Patients with Osteoporotic Fracture," by Skedros et al. (J Bone Joint Surg Am 2006;88:18-24).
20. **Tosi LL**. Web Commentary on "Effective Initiation of Osteoporosis Diagnosis and Treatment for Patients with a Fragility Fracture in an Orthopaedic Environment," by Bogoch et al. (J Bone Joint Surg Am 2006;88:25-34).
21. **Tosi LL**. Women in Orthopaedics: Facing the Challenges, reaping the rewards. Orthopaedics Today 27(6):34-40, 2007.
22. O'Connor MI, **Tosi LL**. Women have more hip fractures, so why are more men with fractured hips dying? AAOS Now 1(2):39, 2007.
23. **Tosi LL**. Web Commentary on "The Orthopaedic Self-Assessment Screening Tool: A Useful Tool for the Orthopaedic Surgeon" by Skedros et al. (J Bone Joint Surg Am 2007;89:765-72) April 2007.
24. **Tosi LL**. Fragility fractures in older patients: reducing the risk. Int J Clin Pract. 2008 Mar;62(3):357-8. PubMed PMID: 18261069.
25. **Tosi LL**. Web Commentary on "Bone and Fall-Related Fracture Risks in Women and Men with a Recent Clinical Fracture" by Svenhjalmar van Helden, MD, et al. J Bone Joint Surg Am 2008; 90:241-8).
26. **Tosi LL**. Web Commentary on "A coordinator program in post-fracture osteoporosis management improves outcomes and saves costs". By Sander et al. J Bone Joint Surg Am. 2008 Jun;90(6):1197-205. doi: 10.2106/JBJS.G.00980. PMID: 18519311.
27. Kennelly A and **Tosi LL**. Own the Bone™ Committee Member Emphasizes Resources to Optimize Bone Health, Newsletter, American Orthopaedic Association, Spring 2010.
28. Flanagan JC, Kennelly A, **Tosi LL**. Geriatric Orthopaedics: Management of Osteoporosis – fragility of the Pelvis and femur. Current Orthopaedic Practice 2011 22(5): 386-391.
29. Boyce A.M. and **Tosi LL**. Rickets/Osteomalacia in The 5-Minute Pediatric Consult, Seventh Edition Micheal D. Cabana Ed; ISBN 9781451191028 Lippincott Williams & Wilkins Publishers 2015.

Electronic Media

1. October 2002 **Tosi L**. A Fracture Might Mean More Than You Think. Orthopaedic Update 2002 American Academy of Orthopaedic Surgeons Web Conferencing Event.

5. PRESENTATIONS

Regional Presentations

- September 1986 **Tosi L**. Evaluation of the Child with a Limp. Department of Pediatrics, George Washington University Health Plan, Washington DC.

February 1987 **Tosi L.** The Female Athlete: The Problems and the Pressures. Sports Medicine: '87 - For the Adolescent and Young Adult, Children's National Hospital, Washington DC.

March 1987 **Tosi L.** Muscular Dystrophy resident core lecture, Department of Orthopaedics, Georgetown University, Washington DC.

1987 **Tosi L.** Orthopaedic Injuries in Children. Advances in Pediatric Trauma - Update 1987, Children's National Hospital, Washington DC.

September 1987 **Tosi L.** Children's Fractures. Department of Pediatrics, Bethesda Naval Medical Center, Bethesda MD.

October 1987 **Tosi L.** Examination of the Child with a Limp. Department of Pediatrics, Bethesda Naval Medical Center, Bethesda MD.

December 1988 **Tosi L.** Muscular Dystrophy resident core lecture, Department of Orthopaedics, Georgetown University, Washington DC.

May 1990 **Tosi L.** Differential Diagnosis of a Limp" Department of Pediatrics, Alexandria Hospital, Alexandria VA.

May 1991 **Tosi L.** Time-Dependent Orthopaedic Emergencies Annual Meeting, Maryland Academy of Family Physicians, Ocean City MD.

September 1991 **Tosi L.** Common Foot and Leg Problems in Children" Office Orthopaedics in Primary Care, Northern Virginia Doctors Hospital, Arlington VA.

October 1991 **Tosi L.** Intoeing and Out-toeing" Department of Pediatrics, Alexandria Hospital, Alexandria VA.

January 1992 **Tosi L.** Lower Extremity Problems in Spina Bifida Patients" A Day of Pediatric Orthopaedics, Howard University Division of Orthopaedic Surgery, Washington DC.

May 1992 **Tosi L.** Pediatric Orthopaedic Seminar: Worries, Controversies and New Techniques, Annual Meeting, Maryland Academy of Family Physicians, Ocean City MD.

June 1992 **Tosi L.** Muscular Dystrophy Grand Rounds, Howard University, Washington DC.

June 1992 **Tosi L.** Muscular Dystrophy resident core lecture, Department of Orthopaedics, Georgetown University, Washington DC.

September 1992 **Tosi L.** Recognition of Acute Childhood Emergencies Anne Arundel Medical Center, Fourth Annual Advancement in Orthopaedic Nursing, Annapolis MD.

January 1993	Tosi L. Latex Allergy in Spina Bifida Patients: Prevalence and Surgical Implications" A Day of Pediatric Orthopaedics, Howard University Division of Orthopaedic Surgery, Washington DC.
March and June 1993	Tosi L. Lower Extremity Management in Children with Spina Bifida Children's National Hospital, Spina Bifida Medical Update, Rockville MD.
May 1993	Tosi L. Recognition of Acute Childhood Emergencies. Anne Arundel Medical Center, Emergency Room Nurses, Annapolis MD.
September 1993	Tosi L. Congenital Deformities and Their Effects in Adulthood, Fifth Annual Advancement in Orthopaedic Nursing Seminar, Anne Arundel Medical Center, Annapolis MD.
November 1993	Tosi L. Evaluation and Management of the Child with a Limp Orthopedics: Essentials for Primary Care, Eighth Annual Clinical Update '93, Prince William Hospital Health Center, Manassas VA.
January 1994	Tosi L. Changing Perspectives in Osteogenesis Imperfecta" A Day of Pediatric Orthopaedics, Howard University Division of Orthopaedic Surgery, Washington DC.
November 1994	Tosi L. The Pediatric Orthopaedic Patient Grows Up National Association of Orthopaedic Nurses, Nation's Capital Chapter, Washington DC.
January 1995	Tosi L. Pediatric Orthopaedic Infections - Update A Day of Pediatric Orthopaedics, Howard University Division of Orthopaedic Surgery, Fourth Annual Conference, Washington DC.
August, 1995	Tosi L. Orthopaedic Evaluation of the Child. Department of Pediatrics, George Washington University Health Plan, Washington DC.
October 1995	Tosi L. Orthopaedic Evaluation of the Child with Cerebral Palsy. Therapeutic Electrical Stimulation: Cerebral Palsy Workshop, Washington DC.
October 1995	Tosi L. Orthopaedic Evaluation of the Child. Catholic University, Pediatric Nurse Practitioner Program, Washington DC.
October 1995	Tosi L. Osteogenesis Imperfecta" Anne Arundel Medical Center, 7th Annual Advancement in Orthopaedic Nursing, Annapolis MD.
September 1996	Tosi L. Intoeing and Out-toeing," Department of Pediatrics, Children's National Hospital, Washington DC.
October 1996	Tosi L. Pediatric Hip Problems. Department of Pediatrics, Alexandria Hospital, Alexandria VA.
January 1997	Tosi L. Children's Fractures. Chevy Chase Pediatrics. Washington DC.
April 1997	Tosi L. Therapeutic Electrical Stimulation," Pediatric Special Interest Group, Virginia Physical Therapy Association.

- May 1997 **Tosi L.** Orthopaedic Management of Children with Cerebral Palsy. Fairfax County Public Schools, Physical and Occupational Therapists. Fairfax VA.
- June 1997 **Tosi L.** Latex Allergies. Maryland Association of Orthopaedic Technologists, 1997 State Seminar, Baltimore MD.
- March 1998 **Tosi L.** Osteoporosis Prevention Begins With Our Children. Eastern Shore District, Maryland Society of Radiologic Technologists, Ocean City MD.
- April 1998 **Tosi L.** Primary Care of Common Adolescent Orthopaedic Sports Injuries," Montgomery County, MD
- May 1998 **Tosi L.** Primary Care of Common Adolescent Orthopaedic Sports Injuries. Fairfax County VA,
- June 1998 **Tosi L.** Orthopaedic Management of Spasticity in Children with Cerebral Palsy. Symposium on the Comprehensive Management of Spasticity, Children's National Hospital, Washington DC.
- April 1999 **Tosi L.** Building a Young Girl's Bone Bank, Holton Arms School, Bethesda MD.
- March 2000 **Tosi L.** Orthopaedic Management of Spasticity. Pediatric Neurology Update 2000, Children's National Hospital, Washington DC.
- March 2000 **Tosi L.** Children's Bone Health - Importance of Early Investment. Montgomery-Prince George's Pediatric Society.
- March 2000 **Tosi L.** Children's Bone Health - Importance of Early Investment. Northern Virginia Pediatric Society.
- June 2000 **Tosi L.** Sports Medicine Workshop, Health Awareness Fair, sponsored by the National Institutes of Health and the Student National Medical Association, NIH, Bethesda MD.
- October 2000 **Tosi L.** Evaluation of the Child with a Limp. Holy Cross Hospital, Silver Spring MD.
- December 2000 **Tosi L.** Orthopaedic Management of the Child with Spina Bifida. Children's National Hospital, Washington DC.
- March 2002 **Tosi L.** Orthopaedic Management of Spasticity. 12th Annual Pediatric Neurology Update, Children's National Hospital, Washington DC.
- June 2002 **Tosi L.** Osteoporosis in Survivors, Late Effects in Long-term Survivors of Childhood Cancers Conference. Children's National Hospital, Washington DC.
- June 2002 **Tosi L.** Women and the Orthopaedic Surgeons: Enhancing the Relationship; Peak Bone Mass: Why the Worry; Slipped Capital Femoral

Epiphysis and Occult Metabolic Bone Disease. presented as the Gaeceau-Wray Visiting Professor, Indiana University School of Medicine, Department of Orthopaedic Surgery, Indianapolis IN.

- October 2002 **Tosi L.** Breaking Tradition: A New Look at Fracture Care. Capital Speakers Club of Washington DC.
- February 2003 **Tosi L.** Breaking Tradition: A New Look at Fracture Care. Junior League of DC, Washington DC.
- February 2004 **Tosi L.** Children's Bone Health. Board of Lady Visitors, Children's National Hospital, Washington DC.
- February 2004 **Tosi L.** Our Daughters, Ourselves: New Perspectives on Women's Bone Health. Holton Arms School PTA, Bethesda MD.
- May 2004 **Tosi L.** Hip Clicks and Clunks. Holy Cross Hospital CME program. Silver Spring MD.
- May 2005 **Tosi L.** Management of the Child with a Limp. Holy Cross Hospital 3rd Annual Conference on Pediatric Office and Hospital Management: A Continuum of Care. Silver Spring MD.
- June 2005 **Tosi L.** Sustaining the Momentum to Own the Bone. American Orthopaedic Association, San Antonio, TX.
- September 2005 **Tosi L.** Children's Hospital Bone Health Program Presbyterian Women's Board, Darnestown, MD.
- October 2005 **Tosi L.** Orthopaedic Management of Spina Bifida" Spina Bifida Association, Bethesda MD.
- May 2006 **Tosi L.** Bone Health – Building for the Future. Holy Cross Hospital 4th Annual Conference on Pediatric Office and Hospital Management: A Continuum of Care. Silver Spring MD.
- October 2006 **Tosi L.** Brace management for children with Spina Bifida. Spina Bifida Association, Bethesda MD.
- April 2007 **Tosi L.** Pediatric Bone Health" Maryland Association Of Orthopaedic Technologists annual meeting, Baltimore MD.
- June 2007 **Tosi L.** Bone Health and Mucopolysaccharidosis, Building for the Future Mucopolysaccharidosis Family Support Group. Baltimore MD.
- August 2008 **Tosi L.** Orthopedic management of Osteogenesis Imperfecta OI Foundation Family Meeting, Arlington VA.
- 2009 **Tosi L.** Breaking Tradition: A New Look at Fracture Care Howard University Grand Rounds. Washington DC.
- September 2009 **Tosi L.** Georgetown University, Department of Orthopaedics," Breaking Tradition: A New Look at Fracture Care". Washington DC.

- February 2009 **Tosi L**, Devaney J, Ryan L. Children's National Hospital, "Pediatric Bone Health: From Bench to Bedside". Washington DC.
- April 2010 **Tosi L**. Preventing Injury at home, at play, and on the way, Injury Prevention Coalition of DC, SafeKids. Washington DC.
- May 2010 **Tosi L**. EMSC Day, Emergency Medical Services for Children and CNH Child Health Advocacy Institute. Washington DC.
- April 2011 **Tosi L**. Sexual Dimorphism in Musculoskeletal Health. National Capitol Dental Association Meeting, Washington DC.
- May 2011 **Tosi L**. Bone Health-Building for the Future- Challenges in Celiac Disease. CNH Celiac Program - Solving the Puzzle: The Many Faces of Celiac Disease. Washington DC.
- July 2011 **Tosi L**. Bone Health in Chronic Disease. Juvenile Arthritis Foundation Family Conference, Roslyn VA.
- October 2011 **Tosi L**. Wound Challenges in Children and Adults with Spina Bifida Chesapeake-Potomac Spina Bifida, Inc." Cooksville MD.
- April 2013 **Tosi L**. "Own the Bone": Prevention of Secondary Fractures 32nd Annual Cherry Blossom Seminar, Rosslyn VA.
- April 2014 **Tosi L**. "Own the Bone": A Campaign to Prevent Secondary Fractures 33rd Annual Cherry Blossom Seminar, Rosslyn VA.
- April 2015 **Tosi L**. "Own the Bone": A Program to Prevent Secondary Fractures 34th Annual Cherry Blossom Seminar, Rosslyn VA.
- 2017 **Tosi L**. Feasibility and Safety of Establishing a Bisphosphonate In fusion Program in a Pediatric Orthopaedic Department: A Ten-year Experience. JER Research Day, Children's National Hospital, Washington DC.

National Presentations

- 1988 Armstrong P, **Tosi L**. Pediatric Orthopaedic Education: Fellowships. Conference on Pediatric Orthopaedic Education, Pediatric Orthopaedic Society of North America, Charleston, SC.
- February 1992 **Tosi L**. Recognition of Acute Childhood Emergencies. #OT1 Update for Orthopaedic Technologists and Physician Assistants, American Academy of Orthopaedic Surgeons, Washington DC.
- February 1992 **Tosi L**. McKay D, Nason S, Buck B. Hip Stability Following External Oblique and Adductor Transfers and Varus Femoral Osteotomy in Children with Myelomeningocele. American Academy of Orthopaedic Surgeons, Washington DC.

- May 1992 **Tosi L.** McKay D, Nason S, Buck B. Hip Stability Following External Oblique and Adductor Transfers and Varus Femoral Osteotomy in Children with Myelomeningocele. Pediatric Orthopaedic Society of North America, Newport RI.
- 1992 **Tosi L.** McKay D, Nason S, Buck B. Hip Stability Following External Oblique and Adductor Transfers and Varus Femoral Osteotomy in Children with Myelomeningocele. American Academy for Cerebral Palsy and Developmental Medicine, San Diego CA.
- November 1992 **Tosi L.** Zembo M. Sexual Harassment Among Women in Orthopaedics Academic Orthopaedic Society, New Orleans LA.
- 1993 **Tosi L.** Slater, J, Shaer C, Mostello L. Latex Allergy in Pediatric Spina Bifida Patients: Incidence and Surgical Implications. American Academy of Orthopaedic Surgeons, San Francisco CA.
- 1993 **Tosi L.** Slater J, Shaer C, Mostello L. Latex Allergy in Pediatric Spina Bifida Patients: Prevalence and Surgical Implications. American Academy for Cerebral Palsy and Developmental Medicine, Nashville TN.
- October 1993 **Tosi L.** Orthopaedic Management of Osteogenesis Imperfecta. Instructional Course #21. Rehabilitation Problems and Their Management in Infants, Children and Adolescents with Osteogenesis Imperfecta. 47th Annual Meeting, American Academy for Cerebral Palsy and Developmental Medicine.
- July 1994 **Tosi L.** Pediatric Orthopaedic Management of Osteogenesis Imperfecta", Eighth Annual Conference of the Osteogenesis Imperfecta Foundation, Baltimore MD.
- September 1994 **Tosi L.** Gerber L, Lee Y, Marini J. Vertebral Compression in the Child with Osteogenesis Imperfecta. American Academy for Cerebral Palsy and Developmental Medicine, New Orleans LA.
- September 1994 **Tosi L.** Orthopaedic Aspects of Spina Bifida. Spina Bifida: Looking into the Future, Spina Bifida Association of New Jersey, Summit NJ.
- September 1994 **Tosi L.** Latex Allergy. Spina Bifida: Looking into the Future, Spina Bifida Association of New Jersey, Summit NJ.
- September – October 1994 **Tosi L.** Orthopedic Management of Osteogenesis Imperfecta. Instructional Course #21. Changing Perspectives in Osteogenesis Imperfecta: Phenotypic Heterogeneity, Rehabilitation Challenges, and Orthopaedic Interventions. 48th Annual Meeting, American Academy for Cerebral Palsy and Developmental Medicine, New Orleans LA.
- March 1995 **Tosi L.** Orthopaedic Evaluation of the Child with Cerebral Palsy. Therapeutic Electrical Stimulation Cerebral Palsy Workshop, Austin TX.

- April 1995 **Tosi L.** Women in Academic Orthopaedics: The Challenges" Academic Orthopaedic Society, Chicago IL.
- June 1995 **Tosi L.** Orthopaedic Update - Spina Bifida" (three lectures on hip and knee problems in infant, school age and teenage children). 22nd Annual Meeting, Spina Bifida Association of America, Washington DC.
- September 1995 **Tosi L.** Orthopedic Problems of the Infant and Young Child with Osteogenesis Imperfecta. Instructional Course #8. Osteogenesis Imperfecta - The Infant and Young Child, 49th Annual Meeting, American Academy for Cerebral Palsy and Developmental Medicine, Philadelphia PA.
- September 1995 **Tosi L.** Orthopedic Problems of the Growing Child and Adolescent with Osteogenesis Imperfecta. Instructional Course #16. Osteogenesis Imperfecta - The Growing Child and Adolescent. 49th Annual Meeting, American Academy for Cerebral Palsy and Developmental Medicine, Philadelphia PA.
- November 1995 **Tosi L.** Women in Academic Orthopaedics: Report of a Delphi Panel. Academic Orthopaedic Society, Washington DC.
- May 1996 **Tosi L.** Orthopaedic Assessment and Management of the Child with Arthrogyrosis. Therapeutic Electrical Stimulation Level II Advanced Problem Solving Workshop, Chicago IL.
- August 1996 **Tosi L.** Latex Allergy. Instructional Course Program #353, Complications in Orthopaedic Surgery for Orthopaedic Technologists, American Academy of Orthopaedic Surgeons, Baltimore MD.
- September 1996 **Tosi L.** The Orthopaedic Health of Women: The Importance of Early Intervention. Office of Research on Women's Health, National Institutes of Health, testimony: Beyond Hunt Valley: Research on Women's Health for the 21st Century, Philadelphia PA.
- February 1997 **Tosi L.** Building a Young Girl's Bone Bank. Moderator and speaker Instructional Course #210, Diagnosis and Management of Orthopaedic Problems Commonly Found in Women, American Academy of Orthopaedic Surgeons, 64th annual meeting, San Francisco CA.
- November 1997 **Tosi L.** The Orthopaedic Health of Women: Osteoarthritis, Osteoporosis, Sports Injuries, and Frozen Shoulder Syndrome. Office of Research on Women's Health, testimony: Beyond Hunt Valley: Research on Women's Health for the 21st Century, National Institutes of Health, Bethesda MD.
- December 1997 **Tosi L.** Therapeutic Electrical Stimulation. The Third Annual Conference, Gait and Gross Motor Impairment in Cerebral Palsy, University of Virginia, Charlottesville VA.

- March 1998 **Tosi L.** Electrical Stimulation for the Treatment of Cerebral Palsy” Specialty Day Meeting, Pediatric Orthopaedic Society of North America, New Orleans LA.
- March 1998 **Tosi L.** Building a Young Girl’s Bone Bank. Instructional Course #127, Diagnosis and Management of Orthopaedic Problems Commonly Found in Women: Osteoporosis, American Academy of Orthopaedic Surgeons, 65th annual meeting, New Orleans LA.
- June 1998 **Tosi L.** Orthopaedic Update - Spina Bifida" (three lectures for parents on hip and knee problems in infant, school age and teenage children). 25th Annual Meeting, Spina Bifida Association of America, Washington DC.
- June 1998 **Tosi L.** Orthopaedic Update - Spina Bifida" (three lectures for parents on hip and knee problems in infant, school age and teenage children). 25th Annual Meeting, Spina Bifida Nurses Forum, Washington DC.
- October 1998 **Tosi L.** Osteoporosis Prevention Starts at a Young Age. American Academy of Orthopaedic Surgeons 8th Annual Science Writers and Editors Conference, New York City NY
- November 1998 **Tosi L.** Introduction to Children’s Fractures and Why They are Different,” Keynote speaker. Third Annual Pediatric Emergency Medicine and Trauma Symposium, University of Tennessee, Knoxville TN.
- February 1999 **Tosi L.** Peak Bone Mass” Instructional Course #222, Osteoporosis: Prevention, Diagnosis, Medical Treatment and Surgical Management, American Academy of Orthopaedic Surgeons, 66th Annual Meeting, Anaheim CA.
- September 1999 **Tosi L.** Osteogenesis Imperfecta: Orthopaedic Update, Chair/Speaker Instructional Course #6, Osteogenesis Imperfecta - New Perspectives, 53rd Annual Meeting, American Academy for Cerebral Palsy and Developmental Medicine, Washington DC.
- March 2000 **Tosi L.** Peak Bone Mass" Instructional Course #163, Osteoporosis: Prevention, Diagnosis, Medical Treatment and Surgical Management, American Academy of Orthopaedic Surgeons, 67th annual meeting, Orlando FL.
- July 2000 **Tosi L.** Orthopaedic Surgery for Proteus Patients", Proteus Syndrome Foundation Conference, Bethesda MD.
- July 2000 **Tosi L.** Children's Bone Health - The Importance of Early Investment; Osteogenesis Imperfecta; An Update; Women and the Orthopaedic Surgeon: Changing the Relationship; Women on the Cutting Edge; Perspectives of a Woman Surgeon. Presented as the Peltier Visiting Professor, University of Kansas, Kansas City KS.
- September 2000 **Tosi L.** Women’s Bone Health”, Sixth Annual Symposium, American Menopause Foundation, New York NY.

November 2000 **Tosi L.** Women and Musculoskeletal Health, Second Annual Illinois Women's Health Conference, Rosemont IL.

January 2001 **Tosi L.** Orthopedic Management of Osteoporosis. 2001 Dale Daniel, MD Orthopedic Symposium, Southern California Permanente Medical Group, Anaheim CA.

May 2001 **Tosi L.** Women and the Orthopaedic Surgeon: Enhancing the Relationship. Grand Rounds Presentation, Massachusetts General Hospital, Boston MA.

June 2001 **Tosi L.** Preventing Falls in the Older Woman. 9th Annual Congress on Women's health and Gender-Based Medicine, Washington DC.

October 2001 **Tosi L.** The American Academy of Orthopaedic Surgeons and How to Get Involved. Fifth Biennial Meeting, Ruth Jackson Orthopaedic Society.

March 2002 **Tosi L.** Moderator/Chair Symposium: "Improving the Continuum of Fracture Care", Fifth International Symposium, Clinical Advances in Osteoporosis, Honolulu HI.

July 2002 **Tosi L.** Type I Osteogenesis Imperfecta" 2002 National Conference, Osteogenesis Imperfecta Foundation, Orlando FL.

August 2002 **Tosi L.** Women and the Orthopaedic Surgeon: Enhancing the Relationship" 20th Annual Clinical Symposium, National Association of Orthopaedic Technologists, Washington, DC.

October 2002 **Tosi L.** Orthopaedic Surgery and the Proteus Syndrome patient: problems and solutions relating to orthopaedic surgery. 2002 Proteus Syndrome Foundation Family Conference, Bethesda MD.

August 2003 **Tosi L.** Breaking Tradition: A New Look at Fracture Care, Annual Meeting of the American Podiatric Medical Association, Washington DC.

October 2003 **Tosi L.** Breaking Tradition: A New Look at Fracture Care" presented as the Ruth Jackson Visiting Professor, University Of Iowa, Iowa City IA.

October 2003 **Tosi L.** Breaking Tradition: A New Look at Fracture Care. Ruth Jackson Orthopaedic Society, Rosemont IL.

June 2004 **Tosi L.** Orthopaedic Problems in the Child with Spina Bifida. Spina Bifida Association of America, Washington DC.

October 2004 **Tosi L.** Breaking Tradition: A New Look at Fracture Care; Peak Bone Mass: Why the Worry? The Influence of Sex and Gender on Musculoskeletal Health. Southern Illinois University School of Medicine.

October 2004 **Tosi L.** Breaking Tradition: A New Look at Fracture Care. Orthopaedic Rehabilitation Association, Philadelphia PA.

June 2005 **Tosi L.** Fragility Fracture Prevention, Not I" American Orthopaedic Association, Huntington Beach CA.

September 2005 **Tosi L.** Breaking Tradition: A New Look at Fracture Care. Kansas University Women's Health Program, Kansas City KS.

October 2005 **Tosi L.** Breaking Tradition: A New Look at Fracture Care", Ruth Jackson Orthopaedic Society, San Antonio TX.

February 2006 **Tosi L.** Breaking Tradition: A New Look at Fracture Care. University of Pennsylvania Dept of Orthopaedics, Philadelphia PA

February 2006 **Tosi L.** Breaking Tradition: A New Look at Fracture Care", American Medical Women's Association Annual Meeting, Tucson AZ.

March 2006 **Tosi L.** Putting it all together: 10 things you can do to improve bone health today. Symposium: Bone Health for the General Orthopaedic Surgeon: Essentials for your practice. American Academy of Orthopaedic Surgeons 73rd Annual Meeting, Chicago IL.

March 2006 **Tosi L.** Sexual Dymorphism in Musculoskeletal Health. Instructional Course #311 Women's Sports Injuries: Sex and Gender Based Differences in Etiology. American Academy of Orthopaedic Surgeons 73rd Annual Meeting, Chicago IL.

July 2006 **Tosi L.** Breaking Tradition: A New Look at Fracture Care. Mt. Carmel Hospital Evidence-Based Medicine Symposium, Columbus OH.

October 2006 **Tosi L.** Breaking Tradition: A New Look at Fracture Care" American Academy of Orthopaedic Surgeons, Board of Councilors Meeting, Williamsburg VA.

October 2006 **Tosi L.** Breaking Tradition: A New Look at Fracture Care", University of Rochester Department of Orthopaedics Visiting Professor. Rochester NY.

October 2006 **Tosi L.** Brace management for children with Spina Bifida. Spina Bifida Association, Bethesda MD.

October 2006 **Tosi L.** Musculoskeletal issues in Proteus Syndrome. Proteus Syndrome Foundation, Bethesda MD.

November 2006 **Tosi L.** Breaking Tradition: A New Look at Fracture Care. Department of Orthopedics, Charleston WV.

February 2007 **Tosi L.** Putting it all together: 10 things you can do to improve bone health today. Symposium: Bone Health for the General Orthopaedic Surgeon: Essentials for your practice. American Academy of Orthopaedic Surgeons 74th Annual Meeting, San Diego, CA.

February 2007 **Tosi L.** Breaking Tradition: A New Look at Fracture care. Symposium: Osteoporosis Management and Densitometry for Orthopaedic Surgeons.

American Academy of Orthopaedic Surgeons 74th Annual Meeting, San Diego, CA.

- February 2007 **Tosi L.** Sexual Dimorphism in Musculoskeletal Health, Instructional Course; #230 Women's Sports Injuries: Sex- and Gender-Based Differences in Etiology. American Academy of Orthopaedic Surgeons 74th Annual Meeting, San Diego, CA.
- March 2007 **Tosi L.** Musculoskeletal Issues in Women" Women's Health 2007: Clinical Insights & Best Practices, Virginia Commonwealth University Institute for Women's Health, Williamsburg, VA.
- May 2007 **Tosi L.** Breaking Tradition: A New Look at Fracture Care, California Orthopaedic Society annual meeting, Monterey CA.
- May 2007 **Tosi L.** Sex and the Orthopaedic Surgeon. Organization for the Study of Sex Differences Annual Meeting, Washington DC.
- June 2007 **Tosi L.** Bone Health and Mucopolysaccharidosis, Building for the Future Mucopolysaccharidosis Family Support Group. Baltimore, MD.
- August 2007 **Tosi L.** Breaking Tradition: A New Look at Fracture Care. New Frontiers in Women's Health. Sponsored by HHS Office on Women's Health Washington DC.
- October 2007 **Tosi L.** Breaking Tradition: A New Look at Fracture Care" American Osteopathic Association Orthopaedic, Annual Meeting San Francisco CA.
- March 2008 **Tosi L.** Putting it all together: 10 things you can do to improve bone health today Symposium: Bone Health for the General Orthopaedic Surgeon: Essentials for your practice. American Academy of Orthopaedic Surgeons 75th Annual Meeting, San Francisco CA.
- March 2008 **Tosi L.** Sexual Dimorphism in Musculoskeletal Health. Instructional Course Lecture, American Academy of Orthopaedic Surgeons 75th Annual Meeting, San Francisco CA.
- February 2009 **Tosi L.** Putting it all together: 10 things you can do to improve bone health today. Instructional Course Lecture: Bone Health for the General Orthopaedic Surgeon: Essentials for your practice. American Academy of Orthopaedic Surgeons 76th Annual Meeting, Las Vegas NV.
- March 2009 **Tosi L.** Breaking Tradition: A New Look at Fracture Care. In Improving Skeletal Care Post Fracture: Suggestions to Identify and Treat Hip Fracture Patients. International Society for Clinical Densitometry Annual Meeting Orlando FL.
- July 2009 **Tosi L.** Breaking tradition: A New Look at Fracture Care. American Podiatric Medical Association. Toronto, Ontario, Canada.
- October 2009 **Tosi L.** Van Andel Institute, World Osteoporosis Day Summit. Breaking Tradition, A New Look at Fracture Care. Grand Rapids MI.

- March 2010 **Tosi L.** Putting it all together: 10 things you can do to improve bone health today. Chair, Instructional Course Lecture #155 Bone Health for the General Orthopaedic Surgeon: Essentials for Your Practice. American Academy of Orthopaedic Surgeons. New Orleans LA.
- March 2010 **Tosi L.** Own the Bone. speaker in panel, Making Sense of Guidelines I Everyday Practice. Combined meeting: International Society for Clinical Densitometry and National Osteoporosis Foundation, Clinical Osteoporosis 2010, San Antonio TX.
- April 2010 **Tosi L.** Osteogenesis Imperfecta Foundation, Chair, 10th Scientific Meeting, Improving Musculoskeletal Outcomes for Individuals with Osteogenesis Imperfecta, Chicago IL.
- May 2010 **Tosi L.** Chair Osteoporosis Work Group American Academy of Orthopaedic Surgeons, Orthopaedic Research Society and Association of Bone and Joint Surgeons: Workshop on Healthcare Disparities, Alexandria VA.
- May 2010 **Tosi L.** Bone Health. Florida Orthopaedic Society, 2010 Scientific Meeting, Fort Lauderdale FL.
- June 2010 **Tosi L.** Treating the Fracture is Not Enough: The Imperative for Quality Improvement in Fracture Care. "Own the Bone" Symposium, annual meeting American Orthopaedic Association. Rosemont, IL.
- June 2010 **Tosi L.** Transition Issues in the Orthopaedic Care of Adults with Spina Bifida. Association of Children's Prosthetics-Orthotics Clinics Annual Meeting, Clearwater FL.
- June 2010 **Tosi L.** Orthopaedic Issues in Adults with Cerebral Palsy: If I Knew Then, What I Know Now. Chair/Speaker, Symposium: Cerebral Palsy: Pediatric to Adult Transition. Association of Children's Prosthetics-Orthotics Clinics Annual Meeting, Clearwater FL.
- June 2010 **Tosi L.** "Own the Bone" NIH Federal Working Group on Bone, Bethesda MD.
- November 2010 **Tosi L.** Treating Fractures is Not Enough: The Imperative for Quality Improvement in Fracture Care. Own the Bone Educational Alliance, Regional Midwest Symposium, Chicago IL.
- February 2011 **Tosi L.** Course chair and speaker, Instructional Course Lecture #444 "Bone Health for the General Orthopaedic Surgeon: Essentials for your Practice", American Academy of Orthopaedic Surgeons, San Diego CA.
- March 2011 **Tosi L.** Bone Health - Building for the Future- Challenges in Gaucher Disease. Gaucher Foundation, Washington DC.
- May 2011 **Tosi L.** Building Relationships in the Orthopaedic/Podiatric Community American Podiatric Medical Association, annual meeting, Washington DC.

- May 2011 **Tosi L.** Breaking Tradition: A New Look at Fracture Care. National Association of Orthopaedic Nurses – Annual Meeting. Baltimore MD.
- 2011 **Tosi L.** Transition Issues in the Orthopaedic Care of Adults with Spina Bifida. Symposium on Management of the Child with Spina Bifida.
- June 2011 **Tosi L.** Treating the Fracture is not enough: The Imperative for Quality Improvement in Fracture Care”. “Own the Bone” Symposium, annual meeting American Orthopaedic Association.
- June 2011 **Tosi L.** Bone Health in Children with Cerebral Palsy and Spina Bifida. American Physical Therapy Association – Annual Meeting.
- September 2011 **Tosi L.** IC #25 The Journey Continues: Healthcare for Adults. American Academy for Cerebral Palsy and Developmental Medicine. Washington DC.
- November 2011 **Tosi L.** Breaking Tradition: A New Look at Fracture Care. Visiting professor, Albert Einstein, Bronx NY.
- April 2012 **Tosi L.** Chair, Osteogenesis Imperfecta Foundation, 12th Annual Scientific Meeting, Assessing the Impact of Osteogenesis Imperfecta on Non-Skeletal Systems. Chicago IL.
- June 2012 **Tosi L.** Changing Epidemiology of Osteoporosis and Low Trauma Fractures. Speaker and Program Co-Chair Hot Topics in Bone Health. One day course American Orthopaedic Association annual meeting National Harbor, Washington DC.
- September 2012 **Tosi L.** Co-Chair/Speaker, Specialty Day Program, American Academy of Cerebral Pals and Developmental Medicine. Building Capacity & Creating Connections for Lifespan Care. Toronto, Canada.
- October 2012 **Tosi LL,** Boudreau R, Kwoh K, Prasa T, Ayonayon H, Harris T, Houston D, Kritchevsky S, Patel K, Simonsicki E, Cauley J. Vitamin D Status and Knee Pain Severity in Functionally Intact Older Adults: The Health ABC Study. Podium Presentation. American Society for Bone and Mineral Research. Minneapolis MN.
- November 2012 **Tosi L.** The Influence of Sex and Gender on Musculoskeletal Health, Speaker and Moderator Pediatric session : MCID: Defining Outcome Metrics for Orthopaedic Devices, FDA Program on Minimal Clinically Important Differences in Musculoskeletal Health; Silver Spring MD.
- June 2013 **Tosi L.** Changing Epidemiology of Osteoporosis and Low Trauma Fractures. Co-Chair/ Speaker one day course “Hot Topics in Bone Health” American Orthopaedic Association annual meeting Denver CO.
- October 2013 **Tosi L.** Differential Diagnosis of Osteopetrosis. Workshop on Osteopetrosis: From Pathogenesis to Treatment. Children’s Hospital of Philadelphia, Philadelphia PA.

April 2014 **Tosi L.** Orthopaedic Treatment Needs in Adults. 14th Osteogenesis Imperfecta Foundation Scientific Meeting, Chicago IL.

2015 **Tosi L.** Bone Health in Snyder-Robinson Syndrome: Musculoskeletal/Orthopaedic Challenges, Snyder-Robinson Foundation. VA.

August 2015 **Tosi L.** The Future of Treating Skeletal Dysplasias: Biology not Carpentry, The Baltimore Limb Deformity Course. Baltimore MD.

August 2015 **Tosi L.** Managing OI – More than Bones: Results of the OI Adult Natural History Initiative. OIF Regional Meeting. Minneapolis MN.

June 2017 **Tosi L.** “Calcium and Vitamin D: What’s the Latest? “Own the Bone” one day course American Orthopaedic Association annual meeting Charlotte NC.

July 2017 **Tosi L.** Musculoskeletal Anomalies in Boys with XXXXY Syndrome. Focus Foundation XXXXY (49er) Family Meeting, Annapolis MD.

September 2017 **Tosi L.** Orthopaedic Management of Proteus Syndrome”, Proteus Syndrome Foundation Family Meeting, Bethesda MD.

October 2017 **Tosi L.** Patient Reported Outcomes: Insights from the OI Adult Natural History Initiative and PROMIS. OI Foundation Scientific Meetings for Clinical Directors, Baltimore MD.

November 2017 **Tosi L.** Patient Reported Outcomes: Insights from the OI Adult Natural History Initiative and PROMIS (and request for input on next steps!)”, OI Foundation Regional Meeting, Portland OR.

March 2018 **Tosi L.** Ten things you can do to improve Osteoporosis Care today. Instructional Course 305 Owning Osteoporosis Care in Your Practice. American Academy of Orthopaedic Surgeons New Orleans LA.

April 2018 **Tosi L.** The Patient Reported Outcome Measurement System (PROMIS). 18th OI Foundation Scientific Meeting, Chicago IL.

July 2018 **Tosi L.** Musculoskeletal anomalies in boys with 49XXXXXY; Focus Foundation XXXXY Support Group, Annapolis MD.

July 2018 **Tosi L.** Adult Panel: Quality of Life Issues in Osteogenesis Imperfecta, Gastrointestinal Roundtable (moderator); 2018 Osteogenesis Imperfecta Foundation National Meeting, Baltimore MD.

November 2018 **Tosi L.** Managing Osteogenesis Imperfecta: Beyond the Bones. OI Foundation Regional Conference, Los Angeles CA.

March 2019 **Tosi L.** Ten things you can do to improve Osteoporosis Care today. presented in Instructional Course Lecture # 443 Owning Osteoporosis Care in Your Practice, American Academy of Orthopaedics Surgeons, Las Vegas NV.

- August 2019 **Tosi L.** Beyond Bones. OI Foundation Regional Conference, Sacramento CA.
- August 2019 **Tosi L.** Beyond the Bones OI Foundation Regional Conference Atlanta GA.
- September 2019 **Tosi L:** Chair, Rare Bone Disease Working Group Meeting (2 hour symposium focused on advances in rare disease clinical and basic research); American Society for Bone and Mineral Research, Orlando FL.
- November 2019 **Tosi L.** The Rare Bone Disease TeleECHO. NIH Rare Disease Clinical Research Network (RDCRN) Coalition of Patient Advocacy Groups (CPAG) Annual Meeting.
- December 2019 **Tosi L.** The Rare Bone Disease Alliance Rare Bone Disease TeleECHO. Federal Working Group on Bone, National Institutes of Health, Bethesda MD.
- February 2020 **Tosi L.** The Rare Bone Disease Alliance Rare Bone Disease TeleECHO. Session 3: Nontraditional Approaches to Improving Access for Rare Diseases. NIH Rare Disease Day, Bethesda MD.
- March 2020 **Tosi L.** Patient Centered Outcomes Research – OIF Regional Conference – Phoenix AZ.
- June 2020 **Tosi L.** Calcium and Vitamin D: What You Need to Know. Co-Chair/Speaker “Own the Bone” American Orthopaedic Association annual meeting one day course divided into 4 virtual sessions due to COVID
- February 2021 **Tosi L** Patient Centered Outcomes Research in OI: Where Researchers and Community Members Connect for a Better OI Life. Osteogenesis Imperfecta Foundation Virtual Northeast Regional Conference.
- March-June 2021 **Tosi L.** ASMBR Consensus Statement. Co-Chair/Speaker “Own the Bone” American Orthopaedic Association annual meeting one day course divided into 5 virtual sessions due to COVID
- June 2021 Tosi L. Children’s Bone Health. 2021 Nth Dimension Scholars, presented virtually.

International Presentations

- June 1985 **Tosi L,** Carroll N, McClure P. The Benefits of Synovectomy in Hemophilic Children. Canadian Orthopaedic Association, Hamilton, Ontario Canada.
- January 1992 **Tosi L.** Orthopaedic Injuries: Prevention, Care, and Recovery" The International Pediatric Trauma Conference for Nurses and Paramedics, Washington DC.

- 1992 **Tosi L**, McKay D, Nason S, Buck, B. Hip Stability Following Oblique and Adductor Transfers and Varus Femoral Osteotomy in Children with Myelomeningocele. The Ninth Combined Meeting of the Orthopaedic Associations of the English Speaking World, Toronto Canada.
- 1992 **Tosi L**, McKay D, Nason S, Buck B. Hip Stability Following External Oblique and Adductor Transfers and Varus Femoral Osteotomy in Children with Myelomeningocele. The Society for Research Into Hydrocephalus and Spina Bifida, Stromberg Germany.
- 1993 **Tosi L**, Slater J, Shaer C, Mostello L. Latex Allergy in Pediatric Spina Bifida Patients: Prevalence and Surgical Implications. The Society for Research Into Hydrocephalus and Spina Bifida, Glasgow Scotland.
- April 1996 **Tosi L**, Buck B, Nason S, McKay D. "The McKay Hip Stabilization for Children with Mid- or Low-Lumbar Level Myelomeningocele Lesions" Pediatric Orthopaedic Society, Taiwan Republic of China.
- September 1996 **Tosi L**. Latex Allergy: Considerations for the Child with Myelomeningocele. International Symposium on Spina Bifida Ages 0-5 Years, Chicago IL.
- February 2000 **Tosi L**. Spasticity Management in Cerebral Palsy; An Update" Eastern Provence Rehabilitation Society for Disabled Persons, Dammam Saudi Arabia.
- October 2000 **Tosi L**. Intrathecal Baclofen and Scoliosis in Children with Cerebral Palsy" Second International Conference on Disability and Rehabilitation, Riyadh Saudi Arabia.
- October 2000 **Tosi L**. The Importance of Maximizing Peak Bone Mass in Young Women, Osteogenesis Imperfecta, Women and the Orthopaedic Surgeon, Pediatric Orthopaedic Infections, XX Congreso S.A.O.T.I. (Sociedad Argentina de Ortopedia y Traumatologia Infantil, Cordoba y Maipu Argentina
- October 2003 **Tosi L**. Breaking Tradition: A New Look at Fracture Care Annual Meeting, Canadian Orthopaedic Society, Winnipeg, Manitoba Canada.
- June 2009 Woo AA, Jepsen KJ; Greene EL, Gordish-Dressman H, Devaney J Brandoli C, Hoffman EP, **Tosi LL**. Sexual Dimorphism in Humeral Bone Volume in the Young Adult Skeleton presented at 5th International Conference on Children's Bone Health, Cambridge UK.
- March 2010 **Tosi LL**. International Society for Clinical Densitometry and National Osteoporosis Foundation, Clinical Osteoporosis 2010, "Own the Bone" speaker in panel "Making Sense of Guidelines | Everyday Practice", San Antonio TX.
- October 2011 **Tosi L**. Evolving Strategies in Pediatric Wound Management: Report on a Decade of Negative-Pressure Wound Therapy. Guest speaker, First International Symposium Pediatric Wound Care, Rome Italy.

- October 2011 **Tosi L.** Wound Care Challenges in Children and Adults with Spina Bifida: An Open-cohort Study. First International Symposium Pediatric Wound Care, Rome Italy.
- August 2017 **Tosi L.** Patient Reported Outcomes: Insights from the OI Adult Natural History Initiative and PROMIS (and request for input on next steps!). Preconference “Patient Participation in OI Research” 13th International Conference on Osteogenesis Imperfecta, Oslo Norway.
- March 2018 **Tosi L.** Feasibility and Safety of Establishing a Bisphosphonate In fusion Program in a Pediatric Orthopaedic Department: A Ten-year Experience. International Society for Clinical Densitometry, Boston MA.
- November 2019 **Tosi L.** Measuring Quality of Life in Adults with OI; Improving Patient Centered Outcomes: Expanding Engagement of the Osteogenesis Imperfecta Community; Quality of Life4OI Meeting, Amsterdam Netherlands.

6. PROFESSIONAL REGISTRATION, LICENSES & CERTIFICATIONS.

Medical Licensure

- 144980-1 New York
- G49902 California
- 14549 District of Columbia
- 0101036503 Virginia
- D31107 Maryland

Certification

- 1986 American Board of Orthopaedic Surgery
- 1996, 2006, 2016 Recertified

7. GRANTS (current, pending, completed)

Current Research Support	
Title of Grant	Brittle Bones Disease Rare Disease Clinical Research Consortium (BBD RDCRC) Multiple Studies (Longitudinal, Biomarker, PROMIS)
Funding agency	NIH NCATS, NIAMS, NICHD, NIDCR
Funding number (if known)	2U54 AR068069-06
Dates of Award	09/13/2019 – 08/31/2024
Yearly Direct Costs of Award	\$1,470,655
PI on grant	Brendan Lee, Baylor College

Role on project (Pi, Co-PI, etc)	Site PI Washington, DC; Co-PI pilot project
% Effort	

Current Research Support	
Title of Grant	Patient-Centered Outcomes Research Institute; Leveraging Virtual Communication to Advance PCOR Adoption by the Rare Bone Disease Community
Funding agency	PCORI
Funding number (if known)	EAIN-21360
Dates of Award	07/01/21 – 06/30/2022
Yearly Direct Costs of Award	\$93,201
PI on grant	Tracy Hart, CEO Osteogenesis Imperfecta Foundation
Role on project (Pi, Co-PI, etc)	PI Designee 1
% Effort	

Current Research Support	
Title of Grant	Patient-Centered Outcomes Research Institute (PCORI): COVID-19-Related Enhancement for Existing Engagement Award (Supplement)
Funding agency	PCORI
Funding number (if known)	14517-OIF
Dates of Award	7/1/2020 – 08/31/2021
Yearly Direct Costs of Award	138,578
PI on grant	Tracy Hart, CEO Osteogenesis Imperfecta Foundation
Role on project (Pi, Co-PI, etc)	PI Designee 1
% Effort	

Current Research Support	
Title of Grant	Ultragenyx Investigator Initiated Drug Trial: “An open label trial to assess the safety and efficacy of burosumab in a single patient with cutaneous skeletal hypophosphatemia syndrome (CSHS)
Funding agency	Ultragenyx
Funding number (if known)	
Dates of Award	2019-2020. Renewed June 2020- 2021. renewal pending 2021-2022
Yearly Direct Costs of Award	Total Funding YR 1: \$89,751. YR 2: \$52,513
PI on grant	Laura Tosi
Role on project (Pi, Co-PI, etc)	PI
% Effort	

Pending Research Support	
Title of Grant	Preparing Adults with Osteogenesis Imperfecta to Engage in Research on Access and Quality of Care for Their Rare Disease
Funding agency	PCORI
Funding number (if known)	
Dates of Award	11/01/2021—10/31/2023
Yearly Direct Costs of Award	\$249,250
PI on grant	Tracy Hart, CEO Osteogenesis Imperfecta Foundation
Role on project (Pi, Co-PI, etc)	PI Designee 1

% Effort	
----------	--

Completed Research Support	
Title of Grant	Educational Grant - to fund Junior Faculty Development Programs for the Academic Orthopaedic Society
Funding agency	Orthopaedic Research and Education Foundation
Funding number (if known)	NA
Dates of Award	1999, 2001
Yearly Direct Costs of Award	\$5,000
PI on grant	Laura Tosi
Role on project (Pi, Co-PI, etc)	PI
% Effort	

Completed Research Support	
Title of Grant	A Safe Restraint Loaner Program for Orthopaedic Patients
Funding agency	Children's Hospital Board of Visitors
Funding number (if known)	
Dates of Award	2000
Yearly Direct Costs of Award	\$2000
PI on grant	Laura Tosi
Role on project (Pi, Co-PI, etc)	PI
% Effort	

Completed Research Support	
Title of Grant	Orthopaedic Sports Medicine
Funding agency	Children's Hospital Board of Visitors
Funding number (if known)	
Dates of Award	2000
Yearly Direct Costs of Award	\$42,000
PI on grant	Laura Tosi
Role on project (Pi, Co-PI, etc)	PI
% Effort	

Completed Research Support	
Title of Grant	Skeletal Response to Resistance Exercise: Influence of Genetic Variation
Funding agency	Children's National Hospital RAC grant
Funding number (if known)	
Dates of Award	2004
Yearly Direct Costs of Award	\$20,000
PI on grant	Laura Tosi
Role on project (Pi, Co-PI, etc)	PI
% Effort	

Completed Research Support	
Title of Grant	Core Pilot Grant: Genome-wide search for determinants of bone volume: a critical determinant of bone quality and disability prevention

Funding agency	NIH/NCMRR
Funding number (if known)	
Dates of Award	2006
Yearly Direct Costs of Award	\$20,000
PI on grant	Laura Tosi
Role on project (Pi, Co-PI, etc)	PI
% Effort	

Completed Research Support	
Title of Grant	Genome wide search for determinants of bone volume in men
Funding agency	Merck
Funding number (if known)	
Dates of Award	2006
Yearly Direct Costs of Award	\$40,000
PI on grant	Laura Tosi
Role on project (Pi, Co-PI, etc)	PI
% Effort	

Completed Research Support	
Title of Grant	Determinants of bone volume: a genome-wide search
Funding agency	Orthopaedic Research Foundation/Zimmer Career Development Award
Funding number (if known)	
Dates of Award	2007
Yearly Direct Costs of Award	\$50,000
PI on grant	Laura Tosi
Role on project (Pi, Co-PI, etc)	PI
% Effort	

Completed Research Support	
Title of Grant	R01 Grant Functional SNPs Associated with Human Muscle Size and Strength
Funding agency	NIH NIAMS
Funding number (if known)	2R01NS040606
Dates of Award	2001 – 2004 and 2007 – 2010
Yearly Direct Costs of Award	\$714,583
PI on grant	Eric Hoffman PhD
Role on project (Pi, Co-PI, etc)	Co-Investigator
% Effort	

Completed Research Support	
Title of Grant	Genetic Contributions to Peak Bone Mass in Males: A Genome-Wide Search
Funding agency	Pediatric Orthopaedic Society of North America Research Award
Funding number (if known)	
Dates of Award	2009
Yearly Direct Costs of Award	\$30,000
PI on grant	Laura Tosi
Role on project (Pi, Co-PI, etc)	PI

% Effort	
----------	--

Completed Research Support	
Title of Grant	R-13 Grant: Conference Grant 10th Scientific Meeting of the Osteogenesis Imperfecta Foundation: Improving Musculoskeletal Outcomes for Individuals with OI
Funding agency	NIH
Funding number (if known)	
Dates of Award	2010
Yearly Direct Costs of Award	\$25,000
PI on grant	Laura Tosi
Role on project (Pi, Co-PI, etc)	PI
% Effort	

Completed Research Support	
Title of Grant	Beyond Brittle Bones: The Osteogenesis Imperfecta Adult Natural History Initiative
Funding agency	George Washington University Medical Center Facilitating Fund
Funding number (if known)	
Dates of Award	2011
Yearly Direct Costs of Award	\$14,600
PI on grant	Laura Tosi
Role on project (Pi, Co-PI, etc)	PI
% Effort	

Completed Research Support	
Title of Grant	R-13 Conference Grant 12th Scientific Meeting of the Osteogenesis Imperfecta Foundation, Assessing the Impact of Osteogenesis Imperfecta on Nonskeletal Systems
Funding agency	NIH
Funding number (if known)	
Dates of Award	2012
Yearly Direct Costs of Award	\$25,000
PI on grant	Laura Tosi
Role on project (Pi, Co-PI, etc)	PI
% Effort	

Completed Research Support	
Title of Grant	A systems biology analysis of the impact of dairy and calcium intake on Type 2 Diabetes associated phenotypes
Funding agency	Dairy Research Institute
Funding number (if known)	
Dates of Award	2013
Yearly Direct Costs of Award	\$92,007
PI on grant	Laura Tosi
Role on project (Pi, Co-PI, etc)	PI
% Effort	

Completed Research Support	
Title of Grant	Research Grant in Women's Musculoskeletal Health Genetic Determinants of Peak Bone Mass in Healthy Young Adult Women
Funding agency	Ruth Jackson Orthopaedic Society/Orthopaedic Research & Education Foundation/Depuy
Funding number (if known)	
Dates of Award	2014
Yearly Direct Costs of Award	\$25,000
PI on grant	Laura Tosi
Role on project (Pi, Co-PI, etc)	PI
% Effort	

Completed Research Support	
Title of Grant	Children's National Hospital Board of Visitor's Project Grant to develop a guardianship brochure: Guardianship and Other Options For Supporting Young Adults.
Funding agency	Children's National Hospital Board of Visitor's Project Grant
Funding number (if known)	
Dates of Award	2014
Yearly Direct Costs of Award	
PI on grant	Laura Tosi
Role on project (Pi, Co-PI, etc)	PI
% Effort	

Completed Research Support	
Title of Grant	AAOS/CORR/ORS/CMH-UCD Musculoskeletal Sex Differences Throughout the Lifespan Research Symposium to be held July 31 - August 1 2014
Funding agency	NIH R-13 Conference Grant
Funding number (if known)	
Dates of Award	2014
Yearly Direct Costs of Award	\$15,000
PI on grant	Laura Tosi
Role on project (Pi, Co-PI, etc)	PI
% Effort	

Completed Research Support	
Title of Grant	Clinical Research Grant "Advancing Service Excellence Through Novel Clinical Pathways to Prevent Future Fractures"
Funding agency	Joseph E. Robert Foundation
Funding number (if known)	
Dates of Award	2016
Yearly Direct Costs of Award	\$40,000
PI on grant	Laura Tosi
Role on project (Pi, Co-PI, etc)	PI
% Effort	

Completed Research Support

Title of Grant	Research Voucher Program
Funding agency	Children's National Hospital CTSI
Funding number (if known)	
Dates of Award	2017
Yearly Direct Costs of Award	\$10,000
PI on grant	Laura Tosi
Role on project (Pi, Co-PI, etc)	PI
% Effort	

Completed Research Support	
Title of Grant	Brittle Bone Disorders Consortium of the Rare Disease Clinical Research Network
Funding agency	NIAMS
Funding number (if known)	5U54AR068069-05
Dates of Award	09/2014-08/31/2019
Yearly Direct Costs of Award	\$1,261,485 (in 2018)
PI on grant	Laura Tosi
Role on project (Pi, Co-PI, etc)	Site PI
% Effort	

Completed Research Support	
Title of Grant	Osteogenesis Imperfecta Foundation Patient-Centered Outcomes Research Project
Funding agency	Patient-Centered Outcomes Research Institute (PCORI)
Funding number (if known)	14517-OIF
Dates of Award	6/1/2019 – 5/31/2021
Yearly Direct Costs of Award	\$250,000
PI on grant	Laura Tosi
Role on project (Pi, Co-PI, etc)	PI Designee 1
% Effort	

8. SOCIETIES AND HONORS (Include any administrative duties or appointments)

National Societies

American Academy of Orthopaedic Surgeons

1988	Fellow
1991-1992	Local Host Committee, 1992 Annual Meeting, Washington, DC
1992-1996	Nursing and Allied Health Education Committee -Chair, Continuing Education Course for Orthopaedic Technicians and Physicians Assistants. 1992 AAOS Annual Meeting -Chair, Continuing Education Program for Nursing and Allied Health Education, 1994 AAOS Annual Meeting
1991-1996	Exhibits Committee
1993-1996	Chair, Foot and Ankle Subcommittee
1993-1996	Member, Pediatric and Pediatric Spine Subcommittee
1992-2010	Media Spokesperson
1994-1997	Pediatric Outcomes Instrument Work Group
1994-1995, 2003-2005	<u>Board of Directors, Member-at-Large</u>

1996-2003	Council on Research
1996-2001	Committee on Health Care Financing
1996-2001	AAOS Advisor to Resource Based Relative Value Scale Update Committee (American Medical Association)
1996-1997	Task Force on Women's Health Issues
1998-2000	Women's Health Issues Oversight Panel, Co-chair
2000-2003	Women's Health Issues Committee Chair
2002,2004, 2016, 2018	Leadership Fellows Program – mentor
2006-2009	Guidelines Oversight Committee
2006	AAOS representative to AMA Physician Consortium for Performance Improvement Geriatric/Falls Work Group
2010-2014	Women's Health Issues Advisory Board
2010-2014	Representative to Council on Advocacy
2011	AAOS Nominating Committee
2014-2018	Research Development Committee
2016-current	Board of Councilors, DC Representative
2018-current	Chair, Research and Quality Committee
2018-current	AAOS Evidence-based Quality and Value Committee

American Orthopaedic Association

1999	Fellow
2004-2005	Bone Health Pilot Design Committee
2005-current	"Own the Bone" Steering Committee (founding member)
2016-2020	Chair, Medical Advisory Board
2018-2020	Chair, Publications Task Force

Pediatric Orthopaedic Society of North America`

1987	Member
1988-2001	Ad Hoc Committee for Core Curriculum
1990-1991	<u>Member-at-Large, Board of Directors</u>
2000-2004	<u>Board of Directors</u>
2000-2001	Secretary-elect
2001-2004	Secretary
1991-1992	Long Range Planning Committee
1994-2001	Ad Hoc Committee on Standards of Care and Outcomes Subcommittee on Pediatric Outcome Instrument Development
1996	POSNA Nominating Committee
1997-2001	Committee on Quality

Academic Orthopaedic Society

1996-2004	Member
1997-2002	Chair, Junior Faculty Development Committee
1998-2002	Board of Directors, Member-at-Large

American Academy for Cerebral Palsy and Developmental Medicine

1993- 2005	Member
1993	Instructional Course Lectures Faculty
1994,1995,1999	Instructional Course Lectures Chair
1993-1996	Advocacy and Parent Consumer Partnership Committee

1996-1999	Scientific Program Committee, 1999 Annual Meeting
1999	Local Host
2004-2011	Life-span Care Committee
2008	Co-chair, one day symposium on Adults with Cerebral Palsy

American Society for Bone and Mineral Research

2004-current	Member
2004	Professional Practice Committee
2004	Ad hoc member
2005-2008	Member

American Medical Association

1981-current	Member
--------------	--------

Local Societies

District of Columbia Medical Society

1993-1995	House of Delegates
2004-2014	Alternate Delegate, AMA
2012-2013	President-elect
2013-2014	President

Washington Orthopaedic Society

1999-2000	Secretary/Treasurer
2000-2001	Vice President
2001-2002	President

Other Memberships

Montgomery/Prince George's County Pediatric Society
Northern Virginia Pediatric Society

Honors

1999	National Osteoporosis Foundation Outreach Award, America Races for Strong Women
2000	Ruth Jackson Orthopaedic Society President's Special Merit Award
2005	Diversity Award, American Academy of Orthopaedic Surgeons
2006	Basic Science Research Award - Faculty, CNH Research Day
2012	National Human Genome Research Institute "Great Award" (Genome Recognition Of Employee Accomplishments and Talents) awarded to team that discovered the gene defect in Proteus syndrome
2013	National Human Genome Research Institute "Great Award" (Genome Recognition Of Employee Accomplishments and Talents) awarded to our team "for defining a new class of human disease caused by somatic mutations in the PI3K-AKT1 pathway"
2013	Osteogenesis Imperfecta Foundation "Unbreakable Spirit" Award
2014-current	Member, Science Board to the FDA

2020-current Patient Centered Outcomes Research Institute: Rare Disease Advisory Board

Honors – Visiting Professorships

1996 Visiting Professor, Pediatric Orthopaedic Society of Taiwan, Republic of China
2000 Peltier Visiting Professor, University of Kansas
2000 Visiting Professor, XX Congress, Sociedad Argentina de Ortopedia Traumatologia Infantil
2001 Visiting Professor Harvard Combined Orthopaedic Residency Program
2002 Garceau-Wray Lecturer, Indiana University School of Medicine
2003 Ian McNab Lectureship, Canadian Orthopaedic Association
2003 Ruth Jackson Visiting Professor, University of Iowa
2004 Visiting Professor, Houston Shrine Hospital
2004 Visiting Professor, Southern Illinois University School of Medicine
2005 Visiting Professor, Kansas University Women's Health Program
2006 Visiting Professor, University of Pennsylvania
2006 Visiting Professor, University of Rochester
2008 Visiting Professor, Department of Orthopaedics, Austin, TX
2009 Visiting Professor, Uniformed Services University of the Health Sciences, Bethesda, MD
2010 Visiting Professor, Department of Surgery, University of Tennessee, Knoxville TN
2011 Visiting Professor, Department of Orthopedics, Albert Einstein Hospital, Bronx, NY

9. ADMINISTRATIVE DUTIES & UNIVERSITY ACTIVITIES

Division/Departmental

Children's National Hospital Committee Service

1985-2000 Trauma Committee
1985-1993 Trauma Morbidity and Mortality Committee
1988-1989 Utilization Review Committee
1991-1997 Graduate Education Committee
1991-1993 Ad Hoc Task Force for Blood Borne Contagious Diseases
1993-1996 Patient Care Committee,
1992-1994 Subcommittee on Latex Sensitivity
1992-1993 Dispute Resolution Panel, Children's Faculty Associates
1992-1993 Children's Hospital Faculty Forum, Steering Committee Delegate
1995-1998 Academic Steering Group
1995 Children's Hospital Re-engineering Patient Care Delivery Team
1996 Prenatal Management Advisory Board
1996 Strategic Council - Marketing Subcommittee
1996 Chair, Task Force on Medical Leadership Structure
1997 Quality Work Group, Team Leader, JCAHO Functional Chapter:
Assessment of Patients and Care of Patients
1997 Patient Care - Provider Communication Task Force
1997-1998 Program Review Committee
1999-2001 Executive Committee, Medical Staff
1999-2004 Documentation Improvement

2001-2003	Strategic Council
2006-2010	NOCU Care Delivery Team
2011	Orthopaedic Liaison
2008	Wound and Skincare Committee
2009-current	Older Patient Committee
2011-current	Chair
2011	Committee on Professionalism

Children's National Hospital Division of Orthopaedics and Sports Medicine

1986-1991	Director, Orthopaedic Services (Cast Room)
1989-2003	Coordinator, Orthopaedic Residents In-training Review
1989-2004	Coordinator, Quality Assurance, Department of Orthopaedics
1989-1990	Acting Chairman, Department of Orthopedics
2000 - 2003	Chief, Division of Orthopaedics
2004-current	Director, Bone Health Program

SMHS/SPHHS Committee Service

1995-1996	Internal Review Committee, Department of Pediatrics
1997-1999	Committee on the Status of Women Faculty And Librarians

10. EDUCATIONAL ACHIEVEMENTS

Courses Taught

	DATE	COURSE	ROLE
1	02/1992	AAOS Continuing Education Program for Orthopaedic Technicians and Physicians Assistants, #OT1 Update for Orthopaedic Technologists and Physician Assistants	Course Chairman and Speaker: Recognition of Acute Childhood Emergencies; Lecture
2	1994	AAOS Continuing Education Program for Nurses and Allied Health Education: #NUR1 Current Status of Total Joint Replacement for Nurses	Course Chair and Moderator
3	1994	AAOS Continuing Education Program for Nursing and Allied Health Education: #NUR2 Musculoskeletal Neoplasms for Nurses	Course Chair and Moderator
4	1994	AAOS Continuing Education Program for Nursing and Allied Health Education, #NUR3 Scoliosis: The Comprehensive Approach for Nurses	Course Chair and Moderator
5	1994	AAOS Continuing Education Program for Nursing and Allied Health Education, #OT1 Sports Medicine for the Orthopaedic Technologist and the Physician Assistant	Course Chair and Moderator

6	09/1994	Instructional Course #21: Changing Perspectives in Osteogenesis Imperfecta: Phenotypic Heterogeneity, Rehabilitation Challenges, and Orthopaedic Interventions	Course Chair and Lecture
7	06/1995	22nd Annual Meeting, Spina Bifida Association of America	Chair and three presentations: Orthopaedic Update - Spina Bifida (three panels on orthopaedic problems of infant, school age and teenage children)
8	09/1995	AACPDM Instructional Course #8: Osteogenesis Imperfecta - The Infant and Young Child	Chair and Speaker
9	09/1995	AACPDM Instructional Course #16: Osteogenesis Imperfecta - The Growing Child and Adolescent with Osteogenesis Imperfecta	Chair and Speaker
10	08/1996	AAOS Instructional Course Program #353: Complications in Orthopaedic Surgery for Orthopaedic Technologists	Chair and Speaker
11	02/1997	AAOS Instructional Course #210: Diagnosis and Management of Orthopaedic Problems Commonly Found in Women	Chair and Speaker (Building a Young Girl's Bone Bank)
12	03/1998	AAOS instructional Course #127: Diagnosis and Management of Orthopaedic Problems Commonly Found in Women	Moderator and Speaker (Osteoporosis)
13	09/1999	AACPDM Instructional Course #6: Osteogenesis Imperfecta - New Perspectives	Chair and Speaker (Osteogenesis Imperfecta - Orthopaedic Update)
14	02/2002	Symposium: "Improving the Continuum of Fracture Care", Fifth International Symposium, Clinical Advances in Osteoporosis	Moderator and Chair
15	03/2010	AAOS Instructional Course Lecture #155: Bone Health for the General Orthopaedic Surgeon: Essentials for Your Practice	Chair and Speaker: Putting it all together: 10 things you can do to improve bone health today
16	05/2010	American Academy of Orthopaedic Surgeons, Orthopaedic Research Society and Association of Bone and Joint Surgeons: Workshop on Healthcare Disparities	Osteoporosis Work Group/ Workshop on Healthcare Disparities
17	06/2010	Association of Children's Prosthetics-Orthotics Clinics (ACPOC) Symposium: Cerebral Palsy: Pediatric to Adult Transition	Chair and Speaker: Orthopaedic Issues in Adults with Cerebral Palsy: If I Knew Then, What I Know Now

18	02/2011	AAOS Instructional Course Lecture #444: "Bone Health for the General Orthopaedic Surgeon: Essentials for your Practice"	Course Chair and Speaker: Ten Things You Can Do in Your Practice to Improve Bone Health
19	06/2012	Hot Topics in Bone Health. American Orthopaedic Association (AOA) Annual "Own the Bone" Symposium	Program Co-Chair and Speaker: Changing Epidemiology of Osteoporosis and Low Trauma Fractures
20	09/2012	Specialty Day Program, AACPDM. Building Capacity & Creating Connections for Lifespan Care	Co-Chair and Speaker
21	11/2012	FDA Program on Minimal Clinically Important Differences in Musculoskeletal Health	Moderator Pediatric session: MCID: Defining Outcome Metrics for Orthopaedic Devices; Speaker: The Influence of Sex and Gender on Musculoskeletal Health
22	06/2013	Hot Topics in Bone Health. American Orthopaedic Association (AOA) annual "Own the Bone" Symposium	Co-Chair and Speaker: Changing Epidemiology of Osteoporosis and Low Trauma Fractures
23	09/2019	Rare Bone Disease Working Group Meeting. Symposium focused on advances in rare disease clinical and basic research	Chair
24	04/2020	Osteogenesis Imperfecta Research Collaborative: Where Researchers and Community Members Connect for a Better OI Life; Patient-Centered Outcomes Research (PCOR) Training for OIF Stakeholders	Chair
25	06/2020	American Orthopaedic Association (AOA) Annual "Own the Bone" Symposium	Co-Chair/Speaker: Calcium and Vitamin D: What You Need to Know
26	07/2020	Part II PCOR training	Chair
27	04/2021	OIF Town Hall Meeting	Chair
28	03-06/2021	American Orthopaedic Association (AOA) annual "Own the Bone" Symposium	Co-Chair and Speaker: ASBMR Consensus Statement

New Programs Developed

	Date	Program	Role
1	1997	Beyond Hunt Valley, Research on Women's Health for the 21st Century	Co-Chair, Working Group on Bone and Musculoskeletal Disorders
2	07/30 - 08/1/2004	NIH-AAOS Workshop: Influence of Sex and Gender On Musculoskeletal Health	Co-Chair
3	2007	NIH Workshop: Musculoskeletal Aspects of Proteus Syndrome	Co-Chair and Speaker (Orthopaedic Management of Proteus Syndrome)
4	2008	Adults with Cerebral Palsy: A Workshop to Define the Challenges of Treating and Preventing the Secondary Musculoskeletal and Neuromuscular Complications in this Rapidly Growing Population	Co-Chair and Speaker
5	07/2005	Improving Musculoskeletal Outcomes for Individuals with Osteogenesis Imperfecta	Chair
6	07/2005	Assessing the Impact of Osteogenesis Imperfecta on Nonskeletal Systems	Chair
7	2014	Musculoskeletal Sex Differences Throughout the Lifespan	Co-Chair
8	2014	Mechanistic and therapeutic insights into skeletal biology learned from the study of rare diseases	Co-Chair

Mentees

Medical School Student Mentees

Key:

Status:

GWU Gill award

GWU HSS – GWU Health Services Scholarship Award

Nth Dimension – mentoring organization focused on bring more minority and women students into Orthopaedics

Presentations:

ORS Orthopaedic Research Society

NMA National Medical Association

AFMR American Federation for Medical Research

	Mentees	Status	Dates	Project Title
1	Elijah Strong	GWU HSS Award	2021-current	Variation in DAAM2 SNPs Correlate with Bone and Muscle Phenotypes in Young Adults
2	Pavan Vemulakonda	GWU Gill Fellow	2021-current	LRP5 Variants Associated With Bone Quality Measures In Young Adults
3	Brandon Hartmann	MS 1 Howard University	2021-current	Genetic Variation in Bone Loci Polymorphisms Correlate with Bone and Muscle Phenotypes in Young Adults
4	Adriana Solis	Nth Dimension	2021-current	ZBTB40 Polymorphisms Associated with Bone Quality and Strength Measures in Young Healthy Adults
5	Muhammad El Shatanofy	GWU Gill Fellow	2020-current	Variations In PIEZO1 Rs62048221 Associated With Strength And Anthropometric Measures In Young Adults
6	Lauryn Brown	GWU HSS Award	2020-current	Genetic Variants In PIEZO2 Associated With Young Adult Caucasian Musculoskeletal Phenotypes
7	Amil Agarwal	GWU HSS Award	2020-current	C7ORF76 Variants Associated With Bone Quality Measures In Young Adults
8	Kristina Pond	Nth Dimension	2020-current	Genetic Variation In PPP6R3 And FGFR4 Associated With Bone Phenotypes In Young Adults
9	Rachel Schwartz	GWU HSS Award	2020-current	Genetic Variation In C7ORF76 Rs4727338 And Rs4342521 Associated With Musculoskeletal Phenotypes In Young Adults
10	Sean Haimowitz	MS 1 Rutgers	2019-current	Genetic Variation In GDF5 And MIR196A2 Associated With Musculoskeletal Phenotypes In Young Adults
11	Nisha Kapani	GWU HSS Award	2019-current	Genetic Variation In COLIA1 Rs1800012 Influences Skeletal Phenotypes In Young Adults
12	Megan McClanahan	GWU Gill Fellow	2019-current	Genetic Variants In FUBP3 And CTNNA1 Influence Musculoskeletal Phenotypes In Young Adults
13	Julia McGuinness	Nth Dimension	2019-current	Sex-specific Influence Of ESR1 Single Nucleotide Polymorphisms On Bone Quality

14	Caitlin Ward	GWU HSS Award	2018-2021	Association Of SREBF1 And TOM1L2 Polymorphisms With Bone And Muscle Phenotypes
15	Ryan Lee	GWU Gill Fellow	2018-current	Association of GREB1 Polymorphisms with Bone and Muscle Health Phenotypes
16	Daniel Bestourous	GWU HSS Award	2018-2021	FAM210A and SOST Polymorphisms are Associated with Musculoskeletal Phenotypes in Healthy Young Adults
17	Stephen Richards	GWU HSS Award	2018-2021	Association Of WNT16 And FAM3C SNPs With Bone And Muscle Phenotypes In Young Adults
18	Mohamed Al Amoodi	GWU Gill Fellow	2017-2020	The Association Of Polymorphism Rs3736228 Within The LRP5 Gene With Bone Mineral Density In A Cohort Of Caucasian Young Adults
19	Whitney Jones	Nth Dimension	2017-2020	Influence Of Genetic Variation In SNP Rs2854464 Within The ACVR1B Gene On Muscle Strength In Caucasian Cohorts
20	Danny Lee	GWU HSS Award	2017-2020	Effect Of Genetic Variation In GSTP1 And AXIN1 On Bone Mineral Density In Children And Young Adults
21	Steven Mckenzie	GWU HSS Award	2017-2020	Association Of Recently Described RANK And OPG Polymorphisms And Measures Of Bone Quality In Young Adults
22	Helen Miller	GWU HSS Award	2017-2020	PPARGC1A and IGF Polymorphisms Correlate with Greater Strength Performance in Healthy Young Adult Caucasian Cohorts
23	Zach Zeller	GWU HSS Award	2017-2020	Impact Of Polymorphisms In PTK2 On Intrinsic Muscle Strength
24	Andrea Attenasio	Nth Dimension	2016-2019	Influence of Single Polymorphic Nucleotides Known to Affect Pediatric Body Mass Index on Musculoskeletal Phenotypes in Children and Young Adults
25	Jordan Cohen	GWU HSS Award	2016-2019	Vitamin D Receptor Polymorphisms are Associated with Baseline Muscle Strength and Response to Strength Training
26	Alexander Gu	GWU Gill Award	2016	An Intronic Variant in DCHS2 is Associated with Bone Mineral Density in Children and Young Adults

27	Samuel Swenson	GWU HSS Award	2016-19	Validation of a Genetic Risk Score Based on Single Nucleotide Polymorphisms Implicated in Adult Bone Fragility and Associated with Pediatric Bone Density
28	Heather Flynn	Nth Dimension	2015-2018	Genetic Variants in the LRP5 and RUNX2 Genes Affect Bone Quality in a Pediatric African American Cohort
29	Thomas Lynch	GWU Medical Student, Military Scholarship	2015-2018	GCKR and DGKD Single Nucleotide Polymorphisms with Effects on Serum Calcium Influence other Musculoskeletal Traits
30	Christopher Payette	GWU Gill Fellow	2015-2018	Single Nucleotide Polymorphisms in <i>CLDN14</i> and <i>SMOC1</i> Affecting Bone Mineral Density Influence Other Musculoskeletal Traits
31	Elizabeth Dominic	GWU Gill Fellow	2014-2017	COL5A1 variant is associated with body composition and physical activity in males
32	Elizabeth Hedges	GWU Gill Fellow	2014-2017	Genetic Variation in Neuromedin U Influences Lean Body Mass and Bone Morphometry in Males
33	Zachary Kendrick	GWU HSS Award	2014-2017	Type 2 diabetes associated beta-adrenergic receptor polymorphisms are independently associated with BMI and physical activity in college-age populations
34	Michael Liu	GWU HSS Award	2014-2017	Susceptibility to Obesity and Bone Mineral Density in Young African American Populations
35	Jacquelin McKesey	Nth Dimension	2014-2017	A Genetic Variant in the Gamma Glutamyl Carboxylase Gene Affects Bone Quality in a Pediatric African American Cohort
36	Alexandra D'Agostini	GWU Gill Fellow	2013-2016	Genetic Variants In Genes That Are Part Of The Vitamin D Metabolic Pathway Are Not Associated With Serum Vitamin D Levels In African American Children
37	Fady Hijji	GWU Gill Fellow	2013-2016	Genetic Polymorphisms Associated with Muscle Damage and Exertional Rhabdomyolysis
38	Chika Okafor	Nth Dimension	2013-2016	A Null Mutation in ACTN3: A Possible Marker for Achilles Tendinopathy

39	Trevor Slezak	GWU HSS Award	2013-2016	Validation of Genetic Variants Associated with Physical Activity in a Young African American Cohort
40	Hugo Clifford	GWU HSS Award	2012-2015	A functional variant in the SPP1 Promoter Affects Global Methylation in Skeletal Muscle
41	Ryan Choi	GWU HSS Award	2012-2015	A Variant in the ADCY5 gene is associated with whole muscle volume and subcutaneous fat volume phenotypes
42	Nataneal Leo	GWU HSS Award	2012-2015	Influence of APOL1 Haplotype on Forearm Fracture Risk and Vitamin D status in African American Children
43	Jason Lipof	GWU Gill Fellow	2012-2015	A Variant in SLC30A8 Gene is Associated with Skeletal Muscle Size and Damage in Young Men
44	Kristen Norrell	GWU Gill Fellow	2012-2015	FTO Variant is Associated with Difference in Global Methylation in Skeletal Muscle
45	Victoria Rentas	Nth Dimension	2012-2015	BMP2 Gene Polymorphisms are Associated with Biomarkers of Skeletal Muscle Damage and Strength Loss
46	Clare Griffis	Nth Dimension	2011-2014	Examination of Genetic Variants for Skeletal muscle damage: A functional genetic variant in the PAC1 gene may predict physical stress
47	Karin Kuhn	GWU Gill Fellow	2011-2014	A variant in the supervillin gene is associated with lean muscle and adiposity phenotypes
48	Eric Rupe	GWU HSS Award	2011-2014	Polymorphisms Associated with Physical Activity and Body Composition
49	Todd Spock	GWU HSS Award	2011-2014	VPS53 polymorphism destroys miR-206 binding and is associated with bone and muscle phenotypes in young males and females
50	Jordan Ruby	Gill Fellow	2010-2013	Genetic Variants Associated with Fracture Risk are also Predictive of Muscle Volume
51	Sreya Talasila	GWU HSS Award	2010-2013	Genetic Variation in NADSYN1 (rs12785878) Predicts Skeletal Muscle Response to Resistance Training and Vitamin D Levels in Men

52	Kathryn Ottolini	GWU medical student	2009-2012	Wound care challenges in children and adults with spina bifida: an open-cohort study
53	Junaid Shams	GWU HSS Award	2009-2012	Bone quality: educational tools for patients, physicians, and educators; Genotypes with Baseline Muscle Phenotypes in Men and Women
54	Allison Spitzer	GWU Gill Fellow	2009-2012	Variants are Associated with Muscle Phenotypes in Both Men and Women
55	Elizabeth Greene	GWU Gill Fellow	2008-2011	SNPs on the X-chromosome are Associated with Bone Volume and Muscle Strength In Young Healthy Men
56	Edward Silverman	GWU medical student	2008-2011	Vitamin D Deficiency and Slipped Capital Femoral Epiphysis
57	Adrian Woo	GWU HSS Award	2008-2011	Sexual Dimorphism in Humeral Bone Volume in the Young Adult Skeleton
58	Kasra Adham	GWU Gill Fellow	2007-2010	Genetic Variants Are Associated With Baseline Muscle Strength and Subcutaneous Fat Volume
59	Dhruti Contractor	GWU Medical Student; military scholarship	2007-2010	Negative pressure wound therapy with reticulated open cell foam in children: an overview
60	Justin Larkin	GWU Gill Fellow	2007-2010	Genetic Variants in CCL2 and CCR2 are Associated with Muscle Damage
61	Ronak Patel	GWU Gill Fellow	2007-2010	SLC30A8 Variant Is Associated With Muscle Size and Response To Resistance Training
62	Max Ginsberg	GWU Medical Student	2006-2009	Bone's possible influence on muscle: an addition to the mechanostat hypothesis
63	Christopher Sheu	GWU HSS Award	2006-2009	Determinants of Bone Volume in females: A genome-wide search
64	Andrew Gordon	GWU Medical Student	2006-2010	A polymorphism in the BMP2 gene is associated with subcutaneous fat volume in Caucasian males
64	John Faust	GWU Medical Student	2005-2008	Genetic Influences of Bone Morphometry
66	Ryan Wilson	GWU Gill Fellow	2005-2008	Genetic Influences of Bone Morphometry
67	Erin Farrelly	GWU Gill Fellow	2004-2007	Characteristics of Individuals Seeking Care in an Adolescent Sports Medicine Clinic

68	Greg Horsley	GWU Medical Student	2004-2007	Sexual Dimorphism in Determinants of Bone: MRI and Strength Study in 438 Young Adults
69	Michael Linn	GWU Medical Student	2004-2007	Determinants of Bone Volume: Use of Exonic Splicing Enhancers in the Search for Biologically Significant Single Nucleotide Polymorphisms

Pre-Med or Post-Baccalaureate Students

	Mentees	Role	Dates	Project Title
1	Madeline King	Pre-Med, high school senior	2021-current	Association Of AKAP11 Polymorphism With Bone And Muscle Phenotypes
2	Zac Larew	Pre-med college student	2020-current	Variations In NRIP Polymorphisms Associated With Bone And Anthropometric Measures In Young Adults
3	Harriet Martin	Pre-med college student	2019-current	Genetic Variation In STARD3NL And RPS6KA5 Impacts Bone Quality In Healthy Young Adults
4	Elmer Rajah	Pre-med; Research assistant	2019-current	Co-author: The Rare Bone Disease TeleECHO Program: Leveraging Telehealth to Improve Rare Bone Disease Care; Musculoskeletal abnormalities in a large international cohort of boys with 49, XXXXY
5	Rolanda Willacy	Research Year, Howard U medical School	2018-2019	Co-author Chapter: Sex and Gender Differences in Clinical and Preclinical Studies; Co-Investigator: Research Protocol Pain in ACL Study
6	Austin Gillies	Pre-med; research assistant	2017-current	Incorporating the patient perspective in the study of rare bone disease: insights from the osteogenesis imperfecta community
7	Christina Dollar	Pre-med; Research assistant	2017-2019	Assessing disease experience across the life span for individuals with osteogenesis imperfecta: challenges and opportunities for patient-reported outcomes (PROs) measurement: a pilot study
8	Seth Stubblefield	Pre-med; Research assistant	2016-2017	Pediatric Hip Orthoses

9	Katina Kartalias	Pre-med; GWU Medical School and Research Mentor	2016-2021	Fourteen-year follow-up of a child with acroscaphodysplasia with emphasis on the need for multidisciplinary management: a case report
10	Irene Chern	Pre-med, Albert Einstein College of Medicine and Research Mentor	2015-2021	Analysis of physical exam data to assess the prevalence of musculoskeletal issues in Special Olympics Athletes
11	Cara Goerlich	Pre-med	2014-2016	Orthopaedic Management of Leg-length Discrepancy in Proteus Syndrome: A Case Series
12	Courtney Sprouse	Post-bacc	2012-2014	Musculoskeletal anomalies in a large cohort of boys with 49, XXXXY; SLC30A8 nonsynonymous variant is associated with recovery following exercise and skeletal muscle size and strength; CK-MM Polymorphism is Associated With Physical Fitness Test Scores in Military Recruits
13	Mai Abdel-Ghani	Post-bacc	2011-2014	Genetic Variant on PLIN4 is associated with Obesity related phenotypes
14	Annie Kennelly	Pre-med, GWU Medical School and Research Mentor	2010-2016	Wound care challenges in children and adults with spina bifida: an open-cohort study. J Pediatr Rehabil Med. Initial report of the osteogenesis imperfecta adult natural history initiative. Orphanet J Rare Dis. 2015 Bone quality: educational tools for patients, physicians, and educators. Clin Orthop Relat Res. 2011 Sex/Gender and racial/ethnic disparities in the care of osteoporosis and fragility fractures. Clin Orthop Relat Res. 2011
15	Winslow Moore-Blankenship	Pre-med	2007-2009	Adults with cerebral palsy: a workshop to define the challenges of treating and preventing secondary musculoskeletal and neuromuscular complications in this rapidly growing population; Slipped Capital Femoral Epiphysis
16	Elizabeth Allen	Pre-med	2006-2007	Assessment and management of the orthopedic and other complications of Proteus syndrome

AAOS Leadership Fellows Program

The American Academy of Orthopaedic Surgeons (AAOS) Leadership Fellows Program was a highly selective one-year program designed to train young orthopaedic surgeons to become

future leaders in orthopaedics that ran for almost 20 years. I had the honor of serving as a mentor for four classes. The Program still exists but has been revised to allow for the inclusion of more trainees.

Mentee	Year	Current Position
Henry Bone Ellis	2018-2019	Co-Chair Committee on Research and Quality AAOS Board of Councilors; Associate Professor Orthopedics, University of Texas Southwestern, Dallas, TX
Carolyn Hettrich	2016-2017	Chief, Shoulder Service, Brigham & Women's Hospital, Harvard Medical School, Boston, MA
William R. Martin, III	2004-2005	Past Chief Medical Officer American Academy of Orthopaedic Surgeons, Chief Orthopedic Surgery and Podiatry, General Leonard Wood Army Community Hospital, Fort Leonard Wood, Missouri
Michael Vitale	2002-2003	Immediate President Pediatric Orthopaedic Society of North America; Pediatric Orthopaedic Surgeon, Columbia University, NYC, NY

Educational Awards

- 1998 Orthopaedic Residents' Teaching Award
- 2013 Children's National Hospital, Clinical Mentoring Award
- 2013 American Medical Student Association, Women Leaders in Medicine Award
- 2014 Medstar/Washington Hospital Center Podiatric Program Faculty Teaching Award
- 2019 Medstar/Washington Hospital Center Podiatric Program Faculty Teaching Award
- 2019 Washington DC Women in Orthopaedics, Mentorship Honoree
- 2019 Elected to AOA in honor of my teaching efforts for GW medical students

11. CONSULTANT APPOINTMENTS

- 1974 – 1975 Resident Consultant, The Health Insurance Study,
The RAND Corporation, Santa Monica, CA
- 1994 Ad-hoc reviewer, Food and Drug Administration
- 2004-2005 Osteoporosis Advisory Board, Merck

12. SERVICE TO COMMUNITY

Regional

Children's National Bone Health Program/Volunteer

2006-2012	Bone Health Display - NBC Health and Fitness Expo
2006	CNH Bone Health TV Spot
2007-2008	June Medical Staff Meeting CNH "Future of Pediatrics" – Bone Health
2010-2013	Display
2008	Bone Health Display Telemundo Event
10/14/2011- 10/15/2011	Bone Health Display US Senate Health Fair
04/2012 & 04/2014	USA Science and Engineering Festival, DC Convention Center: Partnered with Children's Research Institute (CRI) and developed a booth devoted to the Bone Health Program and technological innovation and education at CNH/CRI.

Georgetown University/Volunteer

1987–1990	Orthopaedic Surgeon Georgetown Spina Bifida Clinic
-----------	--

Arthritis Foundation, Metropolitan DC Chapter/Volunteer

1993-1996	Medical Advisory Committee
-----------	----------------------------

Washington Bone Club/Volunteer

2004-current	Member
2005-2007	Treasurer
2008-2010	Chair

District of Columbia DDS/Volunteer

2011-2014	District of Columbia DDS Health initiative Advisory Board
-----------	---

National

National Institutes of Health/Volunteer

1992-current	Volunteer Clinician
--------------	----------------------------

Volunteer Participation in NIH Protocols

- 15-HG-0102 PI: Leslie Biesecker. Nonrandomized Open Label Pilot Study of Sirolimus Therapy for Segmental Overgrowth Caused by Somatic PI3K Activation
- 07-D-0016: PI: Rachel Gafni. Effects of PTH Replacement on Bone in Hypoparathyroidism
- 94-HG-0132 PI: Leslie Biesecker. The Phenotype and Etiology of Proteus Syndrome and Related Overgrowth Disorders

Orthopaedic Research and Education Foundation/Volunteer

1995-2002	Board of Trustees
-----------	-------------------

2000-2002	Secretary
1995, 1997	Peer-review Committee
1999-2005	
2002-2005	Chair, Resident Review Committee
2006-current	Ad hoc reviewer

American College of Radiology/Volunteer

2006	ACR Appropriateness Criteria Committee
------	--

United States Bone & Joint Initiative/Volunteer

2013-current	Board of Directors - representative American Orthopaedic Association
--------------	--

International

International Society for Clinical Densitometry/Volunteer

2007	Position Development Conference: Pediatric Work Group. Baltimore, MD
03/2019	Position Development Conference, Kuala Lumpur, Malaysia

National Advocacy Organizations – Rare Disease

Osteogenesis Imperfecta Foundation/Volunteer

2009-current	Medical Advisory Council
2010-current	Chair, OI Adult Natural History Initiative
2014-current	Board of Directors
2014-current	Rare Bone Disease Alliance
2014-current	Scientific Advisory Panel
2019-current	Faculty Chair, Rare Bone Disease TeleECHO
2020-current	Chair, Rare Bone Disease Alliance Steering Committee

Proteus Syndrome Foundation/volunteer

2000-current	Clinician, Natural History Study
2005, 2008, 2011, 2014, 2015, 2019	Speaker at Family Support Group Conferences

Focus Foundation: 49,XXXXY Syndrome/volunteer

2004-current	Clinician, 49, XXXXY natural History Study Regular speaker at annual conferences
--------------	---

Duchenne Muscular Dystrophy Parent Project/Volunteer

12/2011	Third Endocrinology in Duchenne Muscular Dystrophy Meeting: Bone Health working group, Toronto Ontario
---------	--

Advocacy to Support Women's Careers and Women's Health

American Academy of Orthopaedic Surgeons/Volunteer

Please see Societies

Ruth Jackson Orthopaedic Society (support and networking group women orthopaedic surgeons)/Volunteer

1983-current	Founding Member
1987-1992	Board of Directors
1987-1990	Treasurer
1990-1991	Vice President
1991-1992	President
1992-1995 & 2003-2005	Long Range Planning Committee
1994-1995	Chair

Society for Women's Health Research/Volunteer

1999-2001	Medical Health Advisory Board
1999	Vice-Chair
2000	Chair
2007-2014	Board of Directors
2007-2014	Chair Science Committee
2007-2014	ISIS Research Network on Musculoskeletal Health

National Osteoporosis Foundation/Volunteer

1999-2008	Interspecialty Medical Council
2005-2008	Co-Chair
2008-2018	National Bone Health Alliance, Governance Committee
2010	Workshop Planning Committee – "Best Practices in Systems-Based Interventions to Reduce the Burden of Fractures"

American Bone Health/Volunteer

2015-current	Medical and Scientific Advisory Board
--------------	---------------------------------------

Editorial Boards and Reviews

Orthopaedics Today

1995-1997	Editorial Advisory Board
1997-2009	Associate Editor
	Guest Editor, Special Issues
1998	Women's Musculoskeletal Health
1999	Osteoporosis

Journal of Children's Orthopaedics

2013-17	Editorial Board
---------	-----------------

AAOS Today

Past Co-editor of column "Putting a little sex in your orthopaedic practice" focused on the importance of considering the impact of sexual dimorphism on musculoskeletal health

Ad Hoc reviewer

Journal of Bone and Joint Surgery, Clinical Orthopaedics and Related Research
Orphanet Journal of Rare Disease, Osteoporosis International, Journal of Patient-Reported Outcomes, Developmental Medicine and Child Neurology, Gender medicine