Curriculum Vitae

Signed and dated:

Prepared: August 11, 2021

a) Name: Anne M. Delany (née Beeman)
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b) Primary Appointment: Center for Molecular Oncology and
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c) Academic Appointments at UConn Health

9/2012-present	Associate Professor	Department of Medicine Center for Molecular Oncology	UConn Health Farmington, CT
7/2004-9/2012	Assistant Professor	Department of Medicine Center for Molecular Medicine	University of Connecticut Health Center Farmington, CT

d) Professional Experience Prior to UConn Health

1997-2004	Research Scientist	Department of Research	Saint Francis Hospital & Medical Center Hartford, CT

e) Educational Background

1993-1997	Postdoctoral Fellow	Bone Biology (Ernesto Canalis, MD)	Saint Francis Hospital & Medical Center Hartford, CT
1991-1993	Postdoctoral Fellow	Biochemistry (Constance Brinckerhoff, PhD)	Dartmouth Medical School Hanover, NH
1991	PhD	Biochemistry "Fibroblast gene expression in proliferative connective tissue disease" (Constance Brinckerhoff, PhD)	Dartmouth Medical School Hanover, NH
1985	BS *summa cum laude*	Chemistry Marine Biology	Roger Williams College Bristol, RI

f) Print and Oral Scholarship

Asterisk denotes Dr. Delany as corresponding author
Underlined names denote Dr. Delany's trainees

1ai) Peer-Reviewed Primary Research Journal Articles

1. Shin B., Hrdlicka H.C., **Delany A.M**.*, Lee S.K.* Inhibition of miR-29 activity in the myeloid lineage increases response to calcitonin and trabecular bone volume in mice. Endocrinology. 2021 Jun 30:bqab135. doi: 10.1210/endocr/bqab135. Online ahead of print. PMID: 34192317 *** co-corresponding authors.**

2. Garcia J., Smith S., Karki, S., Drissi H., Hrdlicka H.C., Youngstrom D.W., **Delany A***. miR-433-3p suppresses bone formation and mRNAs critical for osteoblast function in mice. J Bone Miner Res. 2021 May 18. (doi: 10.1002/jbmr.4339). Online ahead of print. PMID: 34004029

3. Hrdlicka H.C., Pereira R.C., Shin B., Yee S-P, Deymier A.C., Lee S-K*, **Delany A.M***. Inhibition of miR-29-3p isoforms via tough decoy suppresses osteoblast function in homeostasis but promotes intermittent parathyroid hormone-induced bone anabolism. Bone Feb;143:115779, 2021 (DOI: 10.1016/j.bone.2020.115779). *** co-corresponding authors.**

4. Shin B., Kupferman J., Schmidt E., Polleux P., **Delany A.M.***, Lee S.K.* Rac1 inhibition via Srgap2 restrains inflammatory osteoclastogenesis and limits the clastokine, SLIT3. J Bone Miner Res. 35(4):789-800, 2020 PMID: 31880824 doi: 10.1002/jbmr.3945.
*** co-corresponding authors**

5. Pereira R.C., Salusky I.B., Roschger P., Klaushofer K., Yadin O., Freymiller E.G., Bowen R., **Delany A.M.**, Fratzl-Zelman N., Wesseling-Perry K. Impaired osteocyte maturation in the pathogenesis of renal osteodystrophy. Kidney Int. 94(5):1002-1012, 2018 PMID:30348285

6. Smith S.S., Dole N.S., Franceschetti T., **Delany A.M**.* microRNA-433 dampens glucocorticoid receptor signaling, impacting circadian rhythm and osteoblastic gene expression. J Biol. Chem., 291(41):21717-21728, 2016

7. Le L.T.T., Swingler T.E, Crowe N., Vincent T.L, Barter M.J., Donell S.T., **Delany A.M**, Dalma T., Young D.A., Clark, I.M. The microRNA-29 family in cartilage homeostasis and osteoarthritis. J Mol Med., 94(5):583-96 2016

8. Dole N.S., Kapinas K., Kessler C.B., Yee S.P., Adams D.J., Pereira R.C., **Delany A.M.*** A single nucleotide polymorphism in osteonectin 3' untranslated region regulates bone volume and is targeted by miR-433. J Bone Miner Res. 30(4):723-732, 2015

9. Pereira R.C., **Delany A.M.,** Khouzam N., Brown R., Freymiller E., Salusky I.B., Wessling-Perry K. Renal osteodystrophy and bone-related gene expression. Kidney Int. 87(3):593-601, 2015

10. Franceschetti T., Dole N.S., Kessler C.B, Lee S.K., **Delany A.M.*** Pathway analysis of microRNA expression profile during murine osteoclastogenesis. PLoS One 9(9):e107262, 2014

11. James E.N., **Delany A.M**., Nair L.S. Post-transcriptional regulation in osteoblasts using localized delivery of miR-29a inhibitor from nanofibers to enhance extracellular matrix deposition. Acta Biomater 10(8):3571-3580, 2014

12. Franceschetti T., Kessler C.B., Lee S.K., **Delany A.M.*** miR-29 promotes murine osteoclastogenesis by regulating osteoclast commitment and migration. J Biol Chem, 288(46):33347-33360, 2013

13. Smith S., Kessler C.B., Shenoy V., Rosen C., **Delany A.M.*** Insulin-like growth factor-1 3' Untranslated Region: Strain-specific Polymorphisms and motifs regulating IGF-1 in osteoblasts. Endocrinology 154(1):253-262, 2013

14. Kapinas K., Lowther K.M., Kessler C.B., Tilbury K., Lieberman J.R., Tirnauer J.S., Campagnola P., **Delany A.M.*** Bone matrix osteonectin limits prostate cancer cell growth and survival. Matrix Biol. 31(5):299-307, 2012

15. Nie J., Bradshaw A.D., **Delany A.M.**, Sage E.H. Inactivation of *SPARC* enhances high fat diet-induced obesity and glucose intolerance in mice. Connect Tissue Res 52:99-108, 2011

16. Kawai M., **Delany A.M.,** Adamo M.L., Rosen C.J. Nocturnin suppresses *Igf1* expression in a post-transcriptional manner via interaction with the 3' untranslated region of *Igf1* mRNA: implications for skeletal aging. Endocrinology 151:4861-70, 2010

17. Kapinas K., Kessler C.B., Ricks T., Gronowicz G., **Delany A.M.*** miR-29 regulates Wnt signaling in human osteoblasts through a positive feedback loop. J Biol Chem 285: 25221-25231, 2010

18. Kapinas K., Kessler C.B., **Delany A.M**.* miR-29 suppression of osteonectin in osteoblasts: regulation during differentiation and by canonical wnt signaling. J Cell Biochem 108:216-224, 2009

19. Machado do Reis L., Kessler C.B., Adams D.J., Lorenzo J., Jorgetti V., **Delany A.M.*** Accentuated osteoclastic response to parathyroid hormone undermines bone mass acquisition in osteonectin-null mice. Bone 43:264-273, 2008

20. **Delany, A.M.***, McMahon D., Powell J.S., Greenberg D.A., Kurland E.S. Osteonectin/SPARC polymorphisms in Caucasian men with idiopathic osteoporosis. Osteoporosis International 19:969-973, 2008 ***(Favorably cited in "Faculty of 1000 Medicine")***

21. Kessler, C.B. and **Delany, A.M**. * Increased notch 1 expression and attenuated stimulatory G protein coupling to adenylyl cyclase in osteonectin-null osteoblasts. Endocrinology. 148:1666-1674, 2007

22. Rydziel, S., **Delany, A.M.**, Canalis, E. AU-rich elements in the collagenase 3 mRNA mediate stabilization of the transcript by cortisol in osteoblasts. J Biol Chem 279:5394-53404, 2004.

23. Pereira, R.C., **Delany, A.M.**, Canalis, E. CCAAT/enhancer binding protein homologous protein (DDIT3) induces osteoblastic differentiation. Endocrinology 145:1952-1960, 2004.

24. ***Delany, A.M.**, Kalajzic, I., Bradshaw A.D., Sage, E.H., Canalis, E. Osteonectin-null mutation compromises osteoblast formation, maturation, and survival. Endocrinology 144:2588-2596, 2003.

25. Boskey A.L., Moore D.J., Amling M., Canalis E., **Delany A.M***. Infrared analysis of the mineral and matrix in bones of osteonectin-null mice and their wild type controls. J. Bone Miner. Res. 18:1005-1011, 2003.

26. Sciaudone, M., Gazzerro, E., Priest, L., **Delany, A.M**., Canalis, E. Notch 1 impairs osteoblastic differentiation. Endocrinology 144:5631-5639, 2003.

27. Pereira R.M.R., **Delany, A.M.**, Durant, D., Canalis, E. Cortisol regulates the expression of Notch in osteoblasts. J. Cell. Biochem. 85:252-258, 2002

28. Pereira R.C., **Delany, A.M**., Canalis, E. Effects of cortisol and bone morphogenetic protein-2 on stromal cell differentiation: Correlation with CAAT-enhancer binding protein expression. Bone 30:685-691, 2002.

29. **Delany, A.M**., Durant, D.D., Canalis, E. Glucocorticoid suppression of insulin-like growth factor I transcription in osteoblasts. Mol Endocrinol 15:1781-1789, 2001

30. Pereira, R.M.R., **Delany, A.M.**, Canalis, E. Cortisol inhibits the differentiation and apoptosis of osteoblasts in culture. Bone 28:484-490, 2001

31. ***Delany A.M.**, Canalis E. The metastasis associated metalloproteinase stromelysin-3 is induced by transforming growth factor ß in osteoblasts and fibroblasts. Endocrinology 142(2):1561-1566, 2001

32. ***Delany A.M.**, Amling M., Priemel M., Howe C.C., Baron R., Canalis E. Osteopenia and decreased bone formation in osteonectin-deficient mice. J. Clin. Invest. 105:915-923, 2000

(Cover Feature)

33. Blanquaert F., **Delany A.M.**, Canalis E. Fibroblast growth factor-2 induces hepatocyte growth factor/scatter factor expression in osteoblasts. Endocrinology. 140:1069-1074, 1999

34. ***Delany A.M**., Canalis E. Dual regulation of stromelysin-3 by fibroblast growth factor-2 in murine osteoblasts. J. Biol. Chem. 273:16595-16600, 1998.

35. ***Delany A.M.**, Canalis E. Basic fibroblast growth factor destabilizes osteonectin mRNA in osteoblasts. Am. J. Physiol. 274 (Cell Physiol. 43) C734-C740, 1998

36. Rydziel S., **Delany A.M**., Canalis E. Insulin-like growth factor inhibits the transcription of collagenase 3 in osteoblast cultures. J. Cell. Biochem. 67:176-183, 1997

37. Franchimont N., Rydziel S., **Delany A.M.**, Canalis E. Interleukin-6 and its soluble receptor cause a marked induction of collagenase-3 expression in rat osteoblast cultures. J. Biol. Chem. 272:12144-12150, 1997

38. **Delany A.M.**, Rydziel S., Canalis E. Autocrine down regulation of collagenase-3 in rat bone cell cultures by insulin-like growth factors. Endocrinology. 137:4665-4670, 1996.

39. Gabbitas B., Pash J.M., **Delany A.M.**, Canalis E. Cortisol inhibits the synthesis of insulin-like growth factor binding protein-5 in bone cell cultures by transcriptional mechanisms. J. Biol. Chem. 271:9033-9038, 1996.

40. Varghese S., **Delany A.M.**, Liang L., Gabbitas B., Jeffrey J.J., Canalis E. Transcriptional and post-transcriptional regulation of interstitial collagenase by platelet-derived growth factor BB in bone cultures. Endocrinology. 137:431-437, 1996.

41. **Delany A.M**., Jeffrey J.J., Rydziel S., Canalis E. Cortisol increases interstitial collagenase expression in osteoblasts by post-transcriptional mechanisms. J. Biol. Chem. 270(44):26607-26612, 1995.

42. **Delany A.M.**, Canalis E. Transcriptional repression of insulin-like growth factor I by glucocorticoids in rat bone cells. Endocrinology. 136:4776-4781, 1995.

43. Canalis E., Rydziel S., **Delany A.**, Varghese S., Jeffrey, J. Insulin-like growth factors inhibit interstitial collagenase synthesis in bone cell cultures. Endocrinology. 136:1348-1354, 1995.

44. Pash J., **Delany A.M.,** Adamo M.L., Roberts, Jr. C.T., LeRoith D., Canalis E. Regulation of insulin-like growth factor I transcription by prostaglandin E_2 in osteoblast cells. Endocrinology. 136:33-38, 1995.

45. **Delany A.M**., Gabbitas B., Canalis E. Cortisol down-regulates osteoblast α1(I)procollagen mRNA by transcriptional and post-transcriptional mechanisms. J. Cell. Biochem. 57:488-494, 1995.

46. **Delany A.M.,** Brinckerhoff C.E. The synthetic retinoid (4-hydroxyphenyl)retinamide decreases collagen expression in vitro and in the tight-skin mouse. Arthritis Rheum.

36:983-993, 1993.

47. **Delany A.M**., Brinckerhoff C.E. Post-transcriptional regulation of collagenase and stromelysin gene expression by epidermal growth factor and dexamethasone in cultured human fibroblasts. J. Cell. Biochem. 50:400-410, 1992.

48. Fini M.E., Karmilowicz M.J., Ruby P.L., **Beeman A.M.**, Borges K.A., Brinckerhoff C.E. Cloning of a complementary DNA for rabbit proactivator: a metalloproteinase that activates synovial cell collagenase, shares homology with stromelysin and transin, and is coordinately regulated with collagenase. Arthritis Rheum. 30(11):1254-1264, 1987.

1aii) Peer Reviewed Journal Review Articles

1. Garcia J., **Delany A.M***. MicroRNAs regulating TGFβ and BMP signaling in the osteoblast lineage. Bone. Feb;143:115791, 2021. (DOI: 10.1016/j.bone.2020.115791)

2. Hrdlicka H.C., Lee S.K., **Delany A.M.*** MicroRNAs are critical regulators of osteoclast differentiation. Curr Mol Bio Rep, 5(1):65-74, 2019

3. Dole N.S., **Delany A.M.*** MicroRNA variants as genetic determinants of bone mass. Bone 84:57-68, 2015

4. Kapinas K., **Delany A.M.*** MicroRNA Biogenesis and Regulation of Bone Remodeling. Arthritis Res Therapy. 13(3):220, 2011

5. **Delany A.M. ***, Hankenson K.D. * Thrombospondin-2 and osteonectin/SPARC are critical regulators of bone remodeling. J Cell Commun Signal, 3:227-238, 2009
*** co-corresponding authors**

6. Canalis E., **Delany A.M.** 11ß-hydroxysteroid dehydrogenase, an amplifier of glucocorticoid action in osteoblasts. J. Bone Miner. Res. 17:987-990, 2002

7. Canalis E., **Delany A.M.** Mechanisms of glucocorticoid action in bone. Annals of the New York Academy of Sciences 966:73-81, 2002

8. **Delany A.M.**, Dong Y., Canalis E. Mechanisms of glucocorticoid action in bone cells. J. Cell. Biochem. 56:295-302, 1994

9. **Delany A.M**., Pash J.M., Canalis E. Cellular and clinical perspectives on skeletal insulin-like growth factor I. J. Cell. Biochem. 55:1-6, 1994.

1c) Book Chapters

1. Franceschetti T, **Delany AM**. * miRNAs in bone repair. miRNA in Regenerative Medicine. Sen, CK, editor, Elsevier Inc. pp. 653-683, 2015

2. **Delany, A.M.**, Pereira, R.M.R., Pereira, R.C., Canalis, E. The cellular and molecular basis of glucocorticoid actions in bone. In: Frontiers of Hormone Research: Glucocorticoid Induced Osteoporosis (Eds.) Angeli, A., Canalis, E., Giustina, A. Karger vol 30, pp 2-12, 2002

3. **Delany A.M**. * Measuring transcription of matrix metalloproteinases: run-on vs. hnRNA. in. Matrix Metalloproteinase Protocols. ed. Clark IM. Humana Press, Totowa, NJ, 2000.

4. **Delany A.M.**, Canalis E. Growth factors and bone. in: Growth Factors and Cytokines in Health and Disease, Vol. III. ed. LeRoith D., Bondy C. JAI Press, Greenwich, CT., 1997.

5. Brinckerhoff C.E., **Delany A.M.** Cytokines and growth factors in arthritic diseases: mechanisms of cell proliferation and matrix degradation in rheumatoid arthritis. in: Cytokines in Inflammation. ed. E.H. Kimball. Telford Press, Caldwell, NJ. 1991.

1e) Other Publications

1ei) Invited Commentaries

1. **Delany A.M. *** Matricellular proteins osteopontin and osteonectin/SPARC in pancreatic carcinoma. Cancer Biol Ther. 10:65-7, 2010.

1eii) Peer Reviewed Published Abstracts

Note that presentation of selected abstracts is detailed below.

1. Shin B, Kupferman J, Schmidt E, Polleux F, **Delany AM***, Lee SK*. Slit-ROBO Rho GTPase activating protein 2 (SRGAP2) in osteoclasts limits inflammatory osteoclastogenesis and inhibits expression of the coupling clastokine SLIT3. J Bone Miner Res. 34, Suppl 1, 2019
2. Shin B, **Delany AM***, Lee SK*. Inhibition of miR-29 activity in the myeloid lineage by expression of a miR-29 tough decoy enhances trabecular bone volume in male mice. J Bone Miner Res. 34, Suppl 1, 2019
3. Hrdlicka H., Shin B., **Delany A.*,** Lee S.K* Global expression of miR-29 decoy decreases bone formation and alters cortical bone morphology in young mice J Bone Miner Res. 33, Suppl 1, 2018
4. Hrdlicka H., Lee S.K*, **Delany A.***, miR-29 targets E-cadherin complex members in the osteoclast lineage J Bone Miner Res. 33, Suppl 1, 2018
5. Hrdlicka H., Shin B., **Delany A**.*, Lee S.K* Slit-ROBO Rho GTPase Activating Protein 2 (SRGAP2) Regulates Osteoclast and Osteoblast Differentiation. J Bone Miner Res. 32, Suppl 1, 2017 available at http://www.asbmr.org/education/AbstractDetail?aid=ef438848-b864-4f33-a045-8a50c37423e4
6. Smith S., Dole N., Guzzo R., **Delany A.M.*** microRNA-433 Dampens TGFβ Signaling and Restrains Osteoblastic and Chondrogenic Differentiation. J Bone Miner Res. 31, Suppl 1, 2016 available at http://www.asbmr.org/education/2016-abstracts
7. Smith, S., Dole, N., Franceschetti T., **Delany A.M.*** microRNA Regulation of Circadian Rhythm in the Osteoblastic Lineage J Bone Miner Res. 30, Suppl 1, 2015 available at http://www.asbmr.org/education/2015-abstracts
8. Dole, N., Franceschetti T., Kessler C.B., Lee S.-K., **Delany A.M.*** Pathway analysis of microRNA profile during early, mid and late osteoclastogenesis. J Bone Miner Res. 29, Suppl 1, 2014 available at http://www.asbmr.org/education/2014-abstracts
9. Franceschetti T., Kessler C.B., Lee S.-K., **Delany A.M.*** miRNA-29 promotes osteoclastogenesis through regulation of osteoclast commitment and migration. J Bone Miner Res. 28, Suppl 1, 2013 available at http://www.asbmr.org/education/2013-abstracts
10. Dole N., Kessler C.B., **Delany A.M.*** Osteonectin/SPARC single nucleotide polymorphism (SNP) alters trabecular bone and is targeted by miRNA-433. J Bone Miner Res. 28, Suppl 1, 2013 available at http://www.asbmr.org/education/2013-abstracts
11. Smith S., Kessler C.B., Rosen C., **Delany A.M.*** Alternative splicing, polyadenylation, and microRNAs targeting insulin-like growth factor-1 in osteoblasts. J Bone Miner Res. 27, Suppl 1:S94, 2012
12. Franceschetti T., Kessler C.B., Lee S.-K., **Delany A.M.*** miR-29 regulates osteoclastogenesis. J Bone Miner Res. 27, Suppl 1:S287, 2012

13. Kapinas K., Franceschetti T., Kessler C.B., **Delany A.M.*** Osteonectin 3' untranslated region single nucleotide polymorphisms differentially regulate gene expression: microRNAs target SNP regions. J. Bone Mineral Res. 25 Suppl 1:S275, 2010
14. Kapinas K., Kessler C.B., Ricks T., Gronowicz G., **Delany A.M.*** miR-29 regulates Wnt signaling in human osteoblasts through a positive feedback loop. J. Bone Mineral Res. 25 Suppl 1:S65, 2010
15. Kapinas K, Lowther K, Kessler C, Campagnola P, ***Delany A**. Interaction of prostate cancer cells with disorganized bone matrix provides resistance to radiation-induced death in vitro. J. Bone Mineral Res. 24 Suppl 1:S134, 2009. available at http://www.asbmr.org/Meetings/AnnualMeeting/AbstractDetail.aspx?aid=18e1f1ea-5e3e-474d-9bde-3e2db3890e40
16. ***Delany A**, Demambro V, Kawai M, Delahunty K, Graber J, Kessler C, Beamer W, Rosen C. Analysis of the 3' untranslated region of the IGF-I gene: implications for mRNA stability and serum IGF-I levels J. Bone Mineral Res. 24 Suppl 1:S134, 2009 available at http://www.asbmr.org/Meetings/AnnualMeeting/AbstractDetail.aspx?aid=b42ef56c-404f-4967-841c-0de602388ad8
17. ***Delany A**, Lowther K, Kapinas K, Kessler K, Nadiarnykh O, Campagnola P. Poorly structured bone matrix, reminiscent of an "osteoblastic" lesion promotes an aggressive gene expression profile in prostate carcinoma cells in vitro. Cancer Treatment Rev 42 Suppl1:S57
18. Kessler C., ***Delany A.M**. Osteonectin/SPARC is critical for anabolic response to PTH in the skeleton. J. Bone Mineral Res. 21 Suppl 1:S134, 2006.
19. Kessler C., ***Delany A.M.** MicroRNA (miRNA) binding sites in the osteonectin 3' untranslated region (UTR) regulate expression. J. Bone Mineral Res. 20 Suppl 1:S207, 2005.
20. Kessler C., ***Delany A.M**. Increased notch 1 in osteonectin-null osteoblasts: a potential mechanism for aberrant maturation. J. Bone Mineral Res. 19 Suppl 1:S220, 2004.
21. Gazzerro E., Sciadone M., Priest L., **Delany A.M.**, Canalis E. Notch 1 constitutive activation induces a shift from osteoblastogenesis to adipogenesis in marrow stromal cells. J. Bone Mineral Res. 18 Suppl 1:S6, 2003.
22. Periera R.C., **Delany A.M**., Canalis E. CCAAT/enhancer binding protein homologous protein (CHOP) induces osteoblastic cell differentiation. J. Bone Mineral Res. 18 Suppl 1:S341, 2003
23. ***Delany A.M**., Shubert-Coleman J., Bahl R., Colvin T.L., Powell J., Kurland E.S. Study of osteonectin gene polymorphisms in men with idiopathic osteoporosis. J. Bone Mineral Res. 18 Suppl 1:S129, 2003
24. Rydziel S., **Delany A.M.**, Canalis E. Specific osteoblast cytosolic proteins bind and stabilize collagenase 3 mRNA. J. Bone Mineral Res. 17 Suppl 1:S405, 2002
25. Pereira R.C., **Delany A.M.**, Canalis E. Overexpression of CHOP, a dominant-negative C/EBP, accelerates and enhances osteoblastic differentiation. J. Bone Mineral Res. 17 Suppl 1:S249, 2002
26. Sciaudone M.P., **Delany A.M.**, Canalis E. Overexpression of Notch 1 receptor intracellular domain inhibits differentiation of cells of the osteoblastic lineage. J. Bone Mineral Res. 17 Suppl 1:S194 2002.
27. ***Delany A.M.**, Canalis E. Osteonectin supports osteoblast maturation and survival. J. Bone Mineral Res. 17 Suppl 1:S160, 2002.
28. Pereria P.C., **Delany A.M.**, Canalis E. Wnt 1 induces the differentiation of stromal cells into mature osteoblasts. J. Bone Mineral Res. 16 Suppl 1:S492, 2001.
29. Gazzerro E., Du Z., Econimides A.N., **Delany A.M.,** E. Canalis. Noggin overexpression precludes the differentiation of stromal cells into functional osteoblasts. J. Bone Mineral Res. 16 Suppl 1:S370, 2001.
30. Pereria R.M.R., **Delany A.M.**, Canalis E. Cortisol enhances the expression of Notch 1 in osteoblasts and stromal cells. J. Bone Mineral Res. 16 Suppl 1:S263, 2001.

31. ***Delany A.M.**, Canalis E. The osteonectin-null mutation compromises osteoblast formation and maturation. J. Bone Mineral Res. 16 Suppl 1:S190, 2001.
32. Boskey A.L., Paschalis E.P., Canalis E., Amling M., **Delany A.M.** Absence of mineral maturation in the osteonectin-null mouse: an age dependent study. J. Bone Mineral Res. 15 Suppl 1:S205, 2000.
33. ***Delany A.M.**, Kalajzic I, Canalis E. Aberrant in vitro differentiation of marrow stromal cells from osteonectin-null mice correlates with osteopenic phenotype in vivo. J. Bone Mineral Res. 15 Suppl 1:S344, 2000
34. Pereira R.M.R., **Delany A.M.**, Canalis E. Cortisol increases the number of cells of the osteoblastic lineage, but precludes their differentiation into functional osteoblasts. J. Bone Mineral Res. 15 Suppl 1:S275, 2000
35. Pereira R.C., **Delany A.M.**, Canalis E. Cortisol prevents the differentiation of stromal cells into mature osteoblasts. J. Bone Mineral Res. 15 Suppl 1:S240, 2000
36. Boskey A.L., Paschalis E.P., Canalis E., Amling M., **Delany A.M.** Absence of mineral maturation in the osteonectin-null mouse: an age dependent study. J. Bone Mineral Res. 15 Suppl 1:S04, 2000.
37. Rydziel S., **Delany A.M.**, Canalis E. Glucocorticoids regulate novel cytosolic proteins that bind specifically to the 3' untranslated region of collagenase 3 mRNA. J. Bone Mineral Res. 15 Suppl 1:S250, 2000
38. **Delany A.M.**, Durant D., Canalis E. CAAT enhancer binding proteins mediate down regulation of insulin-like growth factor I by cortisol in osteoblasts. J. Bone Mineral Res. 14 Suppl 1:S234, 1999
39. Rydziel S., **Delany A.M.**, Canalis E. Glucocorticoids regulate novel cytosolic proteins binding to the 3' untranslated region of collagenase 3 mRNA. J. Bone Mineral Res. 14 Suppl 1:S297, 1999
40. ***Delany A.M.**, Marcy M.J., Canalis E. Fibroblast growth factor-2 decreases osteonectin RNA stability and regulates novel RNA binding proteins associated with its 3'-untranslated region. J. Bone Mineral Res. 14 Suppl 1:S329, 1999.
41. Rydziel S., **Delany A.M.**, Canalis E. Glucocorticoids regulate a novel cytosolic protein that binds to the coding region of collagenase 3 mRNA. Bone. 23(5) Supplement S553, 1998
42. ***Delany A.M.**, Amling M., Priemel M., Delling G., Howe C., Baron R., Canalis E. Osteonectin-null mice develop severe osteopenia. Bone. 23(5) Supplement S119, 1998
43. Blanquaert F., **Delany A.M.**, Canalis E. Expression of scatter factor by osteoblasts and induction by factors promoting fracture healing. J. Bone Mineral Res. 12 Suppl 1:S209, 1997
44. ***Delany A.M.**, Canalis C. Fibroblast growth factor-2 (FGF-2) modulates the breast cancer associated metalloproteinase, stromelysin-3, in osteoblasts. J. Bone Mineral Res. 12 Suppl 1:S432, 1997
45. Gabbitas B., **Delany A.M.**, Canalis E. Insulin-like growth factor (IGF) I is required for the expression of IGF binding protein-5 by the osteoblast. J. Bone Mineral Res. 11 Suppl 1:S177, 1996.
46. ***Delany A.M.**, Canalis E. Basic fibroblast growth factor (bFGF) down-regulates osteonectin expression in osteoblasts by transcriptional mechanisms. J. Bone Mineral Res. 11 Suppl 1:S403, 1996.
47. **Delany A.M.**, Gabbitas B.Y., Canalis E. Transcriptional repression of insulin-like growth factor I by transforming growth factor β1 in rat osteoblastic cells. J. Bone Mineral Res. 10 Suppl 1:S144, 1995.
48. Gabbitas B.Y., Pash J., **Delany A.**, Canalis E. Cortisol inhibits the transcription of insulin-like growth factor binding protein-5 in osteoblasts. J Bone Mineral Res. 10 Suppl 1:S159, 1995.
49. **Delany A.M.**, Rydziel S., Canalis E. Transcriptional repression of matrix metalloproteinase I by insulin-like growth factor I in rat osteoblasts. J. Bone Mineral Res. 10 Suppl 1:S164, 1995.
50. Pash J.M., **Delany A.M.**, Canalis E. Transcriptional regulation of insulin-like growth factor-I

(IGF-I) by prostaglandin E_2 (PGE_2) in osteoblasts. J. Bone Mineral Res. 9 Suppl 1:S124, 1994

51. **Delany A.M.**, Canalis E. Cortisol inhibits insulin-like growth factor-I (IGF-I) expression in osteoblasts by transcriptional mechanisms. J. Bone Mineral Res. 9 Suppl 1:S124, 1994.
52. **Delany A.M.**, Jeffrey J.J., Canalis E. Cortisol increases interstitial collagenase expression in osteoblasts by post-transcriptional mechanisms. J. Bone Mineral Res. 9 Suppl 1:S367, 1994.
53. **Delany A.M.,** Brinckerhoff C.E. The synthetic retinoid (4-hydroxyphenyl)retinamide antagonizes TGFß induced α1(I) collagen mRNA. Arthritis Rheum. 33(suppl):R39, 1990.
54. **Delany A.M.**, Brinckerhoff C.E. Disparate regulation of EGF-induced metalloproteinase expression and proliferation in fibroblasts. Arthritis Rheum. 31:S93, 1988
55. Fini M.E., Plucinska I.M., **Beeman A.M.**, Brinckerhoff C.E. Collagenase and its activator: members of a new supergene family of metalloproteinases which induce an oncogene induced mRNA. Arthritis Rheum. 30:S16, 1987

2. Oral Presentations:

2a. Podium Presentation of Peer Reviewed Abstracts

2016 microRNA regulation of circadian rhythm in the osteoblastic lineage
Keystone Symposium: Small RNA Silencing: Little Guides, Big Biology – Keystone, CO

2010 miR-29 regulates Wnt signaling in human osteoblasts through a positive feedback loop
(presentation delivered by my thesis student, K. Kapinas)
American Society for Bone and Mineral Research – Toronto, Canada

2008 Regulation of osteonectin/SPARC by microRNA-29
(presentation delivered by my thesis student, K. Kapinas)
American Society for Bone and Mineral Research – Montreal, Canada

2002 Osteonectin supports osteoblast maturation and survival
American Society for Bone and Mineral Research – San Antonio, TX

1999 Osteonectin-null mice develop severe osteopenia
American Society for Bone and Mineral Research

1995 Autocrine suppression of osteoblast matrix metalloproteinase I by insulin-like growth factor I
Endocrine Society

1995 Transcriptional repression of insulin-like growth factor I by transforming growth factor β1 in rat osteoblast cells
American Society for Bone and Mineral Research

1995 Transcriptional repression of matrix metalloproteinase I by insulin-like growth factor I in rat osteoblast cells
American Society for Bone and Mineral Research

1994 Cortisol inhibits insulin-like growth factor-I (IGF-I) expression in osteoblasts by transcriptional mechanisms
American Society for Bone and Mineral Research

b. Invited Presentations

bi. Invited Podium Presentations at National Professional Conferences

2018 “Meet the Professor” – microRNAs and Bone
American Society for Bone and Mineral Research – Montreal, Canada

2016 “Meet the Professor” – microRNAs and Bone Homeostasis
American Society for Bone and Mineral Research – Atlanta, GA

2014 miR-29 and Bone

Symposium- miRNAs in Bone Health and Disease
University of Uppsala, Sweden

2011 Symposium – MicroRNAs: No Small Role in Skeletal Regulation
Endocrine Society – Boston, MA

2008 Special Interest Group – Bone Biology
American Society for Matrix Biology - San Diego, CA

2006 "Meet the Professor" – microRNAs and Bone
American Society for Bone and Mineral Research – Philadelphia, PA

2003 Matricellular Proteins in Normal and Cancer Cell-Matrix Interactions
International Hermelin Brain Tumor Center Symposium
Henry Ford Hospital, Detroit, MI

2002 Extracellular Matrix and Aging: Musculoskeletal System and Skin
National Institute on Aging Workshop
National Institutes of Health - Bethesda, MD

bii. Invited Podium Presentations at Scholarly Institutions

2021 University of Minnesota Musculoskeletal Seminar Series,
University of Minnesota, St. Paul, MN

2019 UConn RNA Salon
UConn Storrs, CT

2008 Pediatric Nephrology Seminar Series
University of California, Los Angeles -, Los Angeles, CA

2007 Skeletal Biology Seminar Series
The Jackson Laboratories - Bar Harbor, ME

2006 Bone Rounds
Columbia University College of Physicians and Surgeons - New York, NY

2006 Trinity College Biology Department Seminar Series
Hartford, CT

c. Poster Presentation

ci. Poster Presentation of Peer Reviewed Abstracts

2019 Slit-ROBO Rho GTPase activating protein 2 (SRGAP2) in osteoclasts limits inflammatory osteoclastogenesis and inhibits expression of the coupling clastokine SLIT3.
Plenary Poster
American Society for Bone and Mineral Research – Orlando, FL

2019 Inhibition of miR-29 activity in the myeloid lineage by expression of a miR-29 tough decoy enhances trabecular bone volume in male mice
American Society for Bone and Mineral Research – Orlando, FL

2018 Global expression of miR-29 decoy decreases bone formation and alters cortical bone morphology in young mice
Plenary Poster
American Society for Bone and Mineral Research – Montreal, Canada

2018 miR-29 targets E-cadherin complex members in the osteoclast lineage
American Society for Bone and Mineral Research – Montreal, Canada

2017 Slit-ROBO GTPase activating protein 2 (SRGAP2) regulates osteoclast and osteoblast differentiation
American Society for Bone and Mineral Research – Denver, CO

2016 microRNA-433 Dampens TGFβ Signaling and Restrains Osteoblastic and Chondrogenic Differentiation
American Society for Bone and Mineral Research – Atlanta, GA

2015 microRNA Regulation of Circadian Rhythm in the Osteoblastic Lineage
Plenary Poster
American Society for Bone and Mineral Research – Seattle, WA

2014 Pathway analysis of microRNA profile during early, mid and late osteoclastogenesis.
American Society for Bone and Mineral Research – Houston, TX

2013 miRNA-29 promotes osteoclastogenesis through regulation of osteoclast commitment and migration.
American Society for Bone and Mineral Research – Baltimore, MD

2013 Osteonectin/SPARC single nucleotide polymorphism (SNP) alters trabecular bone and is targeted by miRNA-433.
Plenary Poster
American Society for Bone and Mineral Research – Baltimore, MD

2012 Polyadenylation, and MicroRNAs Targeting Insulin-like Growth Factor-1 in Osteoblasts.
Plenary Poster
American Society for Bone and Mineral Research – Minneapolis, MN

2012 miR-29 regulates osteoclastogenesis.
Winner of President's Poster Competition
American Society for Bone and Mineral Research – Minneapolis, MN

2010 Osteonectin 3' Untranslated Region Single Nucleotide Polymorphisms Differentially Regulate Gene Expression: microRNAs Target SNP Regions
American Society for Bone and Mineral Research – Toronto, Canada

2009 Analysis of the 3' untranslated region of the IGF-I gene: Implications for mRNA stability and serum IGF-I levels
American Society for Bone and Mineral Research – Denver, CO

2009 Interaction of prostate cancer cells with disorganized bone matrix provides resistance to radiation-induced death in vitro.
American Society for Bone and Mineral Research – Denver, CO

2009 Association of prostate cancer cells with disorganized bone matrix provides resistance to radiation-induced death in vitro
International Meeting on Cancer Induced Bone Disease – Arlington, VA

2008 Poorly structured bone matrix, reminiscent of an "osteoblastic" lesion promotes an aggressive gene expression profile in prostate carcinoma cells in vitro
International Meeting on Cancer Induced Bone Disease – Edinburgh, Scotland

2008 Differential regulation of gene expression by SNPs in the osteonectin/SPARC 3' untranslated region (UTR): a mechanism for modulation of bone mass
American Society for Bone and Mineral Research – Montreal, Canada

2006 Osteonectin/SPARC is critical for anabolic response to PTH in the skeleton.
American Society for Bone and Mineral Research – Philadelphia, PA

2005 MicroRNA (miRNA) binding sites in the osteonectin 3' untranslated region (UTR) regulate expression.
American Society for Bone and Mineral Research – Nashville, TN

2004 Increased notch 1 in osteonectin-null osteoblasts: a potential mechanism for aberrant maturation *American Society for Bone and Mineral Research – Seattle, WA*

2003 Study of osteonectin gene polymorphisms in men with idiopathic osteoporosis.
American Society for Bone and Mineral Research – Minneapolis, MN

2002 Osteonectin supports osteoblast maturation and survival.
American Society for Bone and Mineral Research – San Antonio, TX

2001 The osteonectin-null mutation compromises osteoblast formation and maturation
Plenary Poster
American Society for Bone and Mineral Research – Toronto, Canada

2000 Aberrant in vitro differentiation of marrow stromal cells from osteonectin-null mice

correlates with osteopenic phenotype in vivo
American Society for Bone and Mineral Research – Toronto, Canada

1999 CAAT enhancer binding proteins mediate down regulation of insulin-like growth factor I by cortisol in osteoblasts.
American Society for Bone and Mineral Research

1999 Fibroblast growth factor-2 decreases osteonectin RNA stability and regulates novel RNA binding proteins associated with its 3'-untranslated region.
American Society for Bone and Mineral Research

1997 Fibroblast growth factor-2 (FGF-2) modulates the breast cancer associated metalloproteinase, stromelysin-3, in osteoblasts.
American Society for Bone and Mineral Research

1996 Basic fibroblast growth factor (bFGF) down-regulates osteonectin expression in osteoblasts by transcriptional mechanisms.
American Society for Bone and Mineral Research

1994 Transcriptional repression of the α1(I) procollagen gene by cortisol in cultured rat osteoblasts. *Endocrine Society*

1994 Cortisol increases interstitial collagenase expression in osteoblasts by post-transcriptional mechanisms.
American Society for Bone and Mineral Research

1990 The synthetic retinoid (4-hydroxyphenyl)retinamide antagonizes TGFß induced α1(I) collagen mRNA.
American College of Rheumatology

1988 Disparate regulation of EGF-induced metalloproteinase expression and proliferation in fibroblasts.
American College of Rheumatology

g) Grants

Current Research Funding

2021-2022 *Fracture Repair in Diabetes: Identifying networks by miRNA and mRNA co-sequencing*
UConn Research Excellence Award – Convergence REP-0000000475
Co-Principal Investigator - multi-PI project – 2% effort/no salary support
Archana Sanjay – Communicating co-PI (multi-PI partner)
The goal of this project is to determine miRNA-mRNA interaction networks in the periosteal compartment of diabetic and healthy mice in the early stages of fracture repair.
Direct costs $50,000 for 1 year project

2021-2024 *MicroRNA regulation of osteoblast physiology and glucocorticoid signaling osteoblasts*
National Institutes of Health/NIAMS R01 AR077962-01
Principal Investigator – 40% effort
The long term objective of this project is to determine how miR-433 controls osteoblast differentiation, response to glucocorticoid excess and glucocorticoid receptor signaling in mesenchymal cells.
Scored at 1 percentile
Direct costs $271, 067 per year for years 1 and 2
Direct costs $262,619 per year for years 3, 4, and 5

2015-2020 *Role of miR29 in osteoclastogenesis*
National Institutes of Health/NIAMS R01-AR064867-01
Communicating Principal Investigator - multi-PI project – 30% effort
Sun Kyeong Lee (multi-PI partner)
The long term objective of this project is to determine the role of miR-29 family members in osteoclast differentiation and activity.
Direct costs $220,000 per year for each of the 5 years
Presently in no cost extension

Pending Research Funding

2021-2023 *Fracture Repair in Aging: Identifying networks by miRNA and mRNA co-sequencing*
National Institutes of Health/NIA **R21 AG071047-01A1**
Communicating Principal Investigator - multi-PI project – 5% effort
Archana Sanjay – Co-Principal Investigator
The long term objective of this project is to determine miRNA-mRNA interaction networks in the periosteal compartment of mice in the early stages of fracture repair, comparing young and aged animals.
Total requested direct costs $275,000 over 2 years
Scored at 3 percentile

2021-2026 *Role of miR29 in osteoclastogenesis*
National Institutes of Health/NIAMS **R01-AR064867**
Communicating Principal Investigator - multi-PI project – 30% effort
Sun Kyeong Lee (multi-PI partner)
The long term objective of this project is to determine the role of miR-29 family members in osteoclast differentiation and activity in normal homeostasis and in inflammatory bone loss.
Total requested direct costs $1,769,586 over 5 years

Past Research Funding

2020-2021 *MicroRNA regulation of osteoblast physiology and glucocorticoid signaling osteoblasts*
National Institutes of Health/NIAMS R56 AR077962
Principal Investigator – 40% effort
The long term objective of this project is to determine how miR-433 controls osteoblast differentiation, response to glucocorticoid excess and glucocorticoid receptor signaling in mesenchymal cells.
Direct costs $270,155 for 1 year

2019-2020 *miR-433 in chondrogenesis*
UConn Research Excellence Award
Communicating Principal Investigator - multi-PI project – 5% effort/no salary support
Rosaria Guzzo (multi-PI partner)

The goal of this project is to develop a novel knock-in mouse that allows conditional expression of a miR-433 tough decoy inhibitor.
Direct costs $25,000

2014-2017 *Science Mentorship (M1) Award*
Connecticut Institute for Clinical and Translational Medicine
Principal Investigator – 25% effort
Provided salary support to successful research funded faculty to serve as mentors in developing the next generation of research scientists. It was specifically targeted towards developing a sustainable academic pipeline to increase underrepresented minority students among the pool of academic scientists. Also provided $10,000 for mentee activities.
Direct costs $47,000 year 1
Direct costs $35,752 year 2
Direct costs $49,657 year 3

2015-2016 *microRNA regulation in osteoblasts*
American Society for Bone and Mineral Research
Grant-in-Aid Program (GAP)
Principal Investigator – 14% effort
Direct costs $50,000 for 1 year

2009-2014 *Function and Regulation of Osteonectin in Bone*
National Institutes of Health/NIAMS R01 AR044877 - 15
Principal Investigator – 40% effort
The long term objectives of this project are to determine how osteonectin 3' UTR polymorphisms regulate gene expression in vitro and in vivo, and to determine the role of the miR-29 gene family in osteoblast differentiation in vitro.
Direct costs $225,000 per year for each of 5 years

h) Other Factual Information

a. Professional Societies

2015-present	Association of Osteobiology	Member
1993-present	American Society for Bone and Mineral Research	Member

b. National Committee Service

2008-2011	Science Policy Committee Member	American Society for Bone and Mineral Research
2004, 2011, 2013, 2016	Abstract Review Committee Member	American Society for Bone and Mineral Research

c. UConn Health Committee Service

2020-2024	Academic Advancement Committee	Member
2020-2022	Education Council	Basic Science Faculty Member
2020-2022	Graduate Programs Committee	Chair
2019-present	MicroCT Core Facility Advisory Committee	Member

2018-present	Institutional Animal Care and Use Committee	Member
2019-2020	Graduate Faculty Council	Biomedical Sciences Representative
2018-2020	Graduate Program Committee	Vice Chair
2016-2018	Skeletal Biology and Regeneration Program	Director
2016-2018	Graduate Program Committee	Member
2014-2015	Graduate Faculty Council	Biomedical Sciences Alternate
2014-2016	Skeletal Craniofacial Oral Biology Program	Associate Director
2014-2020	Skeletal Craniofacial Oral Biology Program, Executive Committee	Member
2014-present	Skeletal Craniofacial Oral Biology Program, Recruitment Committee	Member
2012-2014; 2019-2021	Skeletal Craniofacial Oral Biology Program, Recruitment Committee	Chair
2011	Skeletal Craniofacial Oral Biology Graduate Program, Preliminary Exam Review Committee	Member
2010-2012	Curriculum Policy Subcommittee	Vice Chair
2008-2018	Molecular Core Advisory Committee	Member
2007-2015	Biomedical Sciences Graduate Admissions Committee	Application reviews, interviews
2008-2009	Faculty Search Committee, Center for Molecular Medicine	Member
2002-2004	Pilot & Feasibility Core UCHC Musculoskeletal Core Center Grant	Co-Director

d. Local Grant Review Activities

2009	Pilot Grants	Connecticut Institute for Clinical & Translational Science, UCHC
2008	Pilot & Feasibility Grants	UCHC Musculoskeletal Core Center Grant
2002-2004	Pilot & Feasibility Grants	UCHC Musculoskeletal Core Center Grant

e. National/International Grant Review Activities

2021	Skeletal Biology Structure and Regeneration (SBSR) study section ad hoc service	National Institutes of Health
2017	Israel-Italy Collaboration in Science and Technology	Israeli Ministry of Science, Technology and Space
2015-2019	Skeletal Biology Structure and Regeneration (SBSR) study section member -4 year appointment	National Institutes of Health
2013, 2014	Skeletal Biology Structure and Regeneration (SBSR) study section ad hoc service	National Institutes of Health
2013	Advanced Technology Platform Application	Danish National Advanced Technology Foundation

		Copenhagen, Denmark
2012	Osteoporosis and Related Bone Diseases Study Section	American Institute of Biological Sciences/Department of Defense
2012	Exact Sciences and Engineering, 2012 Call	Portuguese Foundation for Science and Technology (FCT), Lisbon, Portugal
2012	NIAMS Special Emphasis Panel	National Institutes of Health
2011-2013	Musculoskeletal, Oral and Skin Sciences (MOSS) SBIR/SBTT study section ad hoc service	National Institutes of Health
2011	Research Grants	National Osteoporosis Society, Bath, UK
2011	Skeletal Biology Structure and Regeneration (SBSR) study section ad hoc service	National Institutes of Health
2010	Research Grants	National Science Foundation
2010	Osteoporosis and Related Bone Diseases Study Section	American Institute of Biological Sciences/Department of Defense
2010	NIDCR Special Emphasis Panel ad hoc service	National Institutes of Health
2010	Pre-proposal review: IIRA Osteoporosis and Related Bone Disease	American Institute of Biological Sciences/Department of Defense
2010	NIAMS Special Emphasis Panel ad hoc service	National Institutes of Health
2009	Osteoporosis and Related Bone Diseases Study Section	American Institute of Biological Sciences/Department of Defense
2004-2009	Musculoskeletal, Oral and Skin Sciences (MOSS) SBIR/SBTT study section ad hoc service	National Institutes of Health
2004	Non-clinical Career Development	Arthritis Research Campaign Derbyshire, UK
2002-2003	Department of Surgery Intramural grant competition	SUNY Upstate Medical University
2001-2005	NIAMS Special Emphasis Pane ad hoc servicel	National Institutes of Health

f. Reviewer for:

Journal of Clinical Investigation, Nature Medicine, Nature Communications, Nature Reviews, Science Translational Medicine, Oncogene, Journal of Biological Chemistry, Journal of Clinical Endocrinology and Metabolism, American Journal of Cell Physiology, Molecular Endocrinology, Journal of Bone and Mineral Research, Molecular and Cellular Biology, Endocrinology, Bone, Journal of Cellular Biochemistry, Journal of Cellular Physiology, Arthritis Research and Therapy, Cancer Letters, Cancer Biology and Therapy, Nucleic Acids Research, PLoS One, Bone Research, FASEB J, JBMR Plus

g. Editorial Boards:

2004-present	Editorial Board member	Current Rheumatology Reviews
1999-2009	Editorial Board member	Arthritis Research and Therapy

h. Honors

1994	Young Investigator Award	American Society for Bone and Mineral Research
1988-1989	Fellow	Albert J. Ryan Foundation
1986	Summer Research Fellowship	Marine Biological Laboratory, Woods Hole, MA,
1983-1985	Member	Alpha Chi Honor Society

i. Faculty Mentoring Committees

2021-present	Dashzeveg Bayarsaihan, PhD	Associate Professor, UConn Health
2021-present	Jessica Costa, DDS PhD	Assistant Research Professor, UConn Health
2006-2010	Sunil Wadhwa, DDS PhD	NIH K Award Mentoring Committee *Currently*: Associate Professor, Director of Orthodontics, Columbia University

j. Invited Moderator for Podium Presentations at National Meetings

2016	Aging *American Society for Bone and Mineral Research – Atlanta, GA*
2015	New Insights *American Society for Bone and Mineral Research – Seattle, WA*
2010	Bone Cartilage: Matrix Formation and Mineralization *American Society for Bone and Mineral Research – Toronto, Canada*
2006	Bone, Cartilage, Connective Tissue Matrix III *American Society for Bone and Mineral Research – Philadelphia, PA*
2003	State of the Art Lecture - Glucocorticoid Action *American Society for Bone and Mineral Research – Minneapolis, MN*
2001	BMPs, TGF-beta, Other Growth Factors/Cytokines II *American Society for Bone and Mineral Research – Phoenix, AZ*
2000	Bone Cells – Osteoblasts II *American Society for Bone and Mineral Research – Toronto, Canada*

k. Trainees

*Underrepresented minority trainees

i. PhD Thesis students

2015-2020	Henry C. Hrdlicka *Recipient of Young Investigator Travel Award – 2018 American Society for Bone and Mineral Research*	*Program:* Skeletal Biology and Regeneration *Thesis:* microRNA-29 Family: A Positive Regulator of Osteoclastogenesis *Currently:* Research Coordinator, Gaylord Specialty Hospital, Wallingford, CT

2012-2016	Spenser Smith *Recipient of Young Investigator Travel Award – 2015* *American Society for Bone and Mineral Research* *Recipient of American Society for Bone and Mineral Research Young Investigator Award, ECTS Ph.D. Training Course, Siena, Italy – 2015* *Awarded scholarship for EFF/ASBMR Fellows Forum on Metabolic Bone Diseases, Houston, TX -2014*	*Program:* Skeletal Biology and Regeneration *Thesis:* MicroRNA-433 Inhibition of Glucocorticoid and TGF-β Signaling: Impact on Osteoblast Circadian Rhythm, Commitment and Differentiation *Currently:* Post-doctoral fellow, University of California, San Francisco
2011-2015	Neha Dole *Awarded scholarship for EFF/ASBMR Fellows Forum on Metabolic Bone Diseases, Houston, TX -2014* *Recipient of Alice L. Jee Award International Bone and Mineral Society, 44th International Sun Valley Workshop: Musculoskeletal Biology* *Sun Valley, ID 2014* *Recipient of Young Investigator Award* *Arnold and Madeleine Penner Musculoskeletal Repair and Regeneration Symposium* *Albert Einstein School of Medicine, Yeshiva University, 2013* *Awarded scholarship for EFF/ASBMR Fellows Forum on Metabolic Bone Diseases, Baltimore, MD -2013*	*Program:* Skeletal Craniofacial Oral Biology *Thesis:* Genetic Determinants of Skeletal Diseases: Role of microRNAs *Currently*: Assistant Researcher, University of California, San Francisco
2010-2014	Tiziana Franceschetti *Recipient of Lawrence G. Raisz Award for Excellence in Musculoskeletal Research – 2013*	*Program:* Skeletal Craniofacial Oral Biology *Thesis:* The Role of microRNAs in Osteoclastogenesis

	Recipient of American Society for Bone and Mineral Research Young Investigator Award, ECTS Ph.D. Training Course, Hamburg, Germany – 2013 *Awarded scholarship for EFF/ASBMR Fellows Forum on Metabolic Bone Diseases at the Hilton Baltimore, Baltimore, MD - 2013*	*Currently*: Senior Scientist, Medigene AG, Martinsried, Germany
2006-2010	Kristina Kapinas	*Program:* Cell Biology
	Graduate School Commencement Speaker, UCHC- 2011 *Recipient of Young Investigator Travel Award – 2010 American Society for Bone and Mineral Research* *Recipient of Young Investigator Award – 2008 American Society for Bone and Mineral Research*	*Thesis:* Role of microRNAs in Bone *Currently*: Medical Science Liaison, Syneos Health for VBI Vaccine

ii. Biomedical Science Masters Thesis Students

2018-2020	*John Garcia	*Programs:* Skeletal Biology and Regeneration Young Innovative Investigator Program *Thesis:* miR-433-3p Negatively Regulates Bone Formation and Targets Critical for Osteoblast Function *Currently:* Medical Student, Quinnipiac University

iii. PhD General Exam Committees

2019	Britta Peterson	*Advisor:* Marc Hansen
2018	Laura Doherty	*Advisor:* Archana Sanjay
2016	Kelly Brewer	*Advisor:* Andrew Arnold
2016	Henry Hrdlicka	*Advisor:* Anne Delany
2015	David Manz	*Advisor:* Suzy Torti
2013	Spenser Smith	*Advisor:* Anne Delany
2012	Stavros Kopsiaftis	*Advisor:* Kevin Claffey
2012	Neha Dole	*Advisor:* Anne Delany
2012	Thomas Estus	*Advisor:* Liisa Kuhn
2012	*Eric James	*Advisor:* Lakshmi Nair

2011	Tiziana Franceschetti	*Advisor:* Anne Delany
2010	*Lyndon Charles	*Advisor:* Liisa Kuhn
2010	Eliane Dutra	*Advisor:* Ernst Reichenberger
2008	Karen Sagomonyants	*Advisor:* Mina Mina
2008	Kristina Kapinas	*Advisor:* Anne Delany
2006	Maobin Yang	*Advisor:* Barbara Kream
2006	Hechang Huang	*Advisor:* Carol Pilbeam
2006	I-Ping Chen	*Advisor*: Ernst Reichenberger

iv. PhD Thesis Committees

2020-	Britta Petersen	*Advisor:* Marc Hansen
2015-2020	Henry Hrdlicka	*Advisor:* Anne Delany
2015-2019	David Manz	*Advisor:* Suzy Torti
2015-2018	Ryan Russell	*Advisor:* Peter Maye
2014-2020	Anushree Vijaykumar	*Advisor:* Mina Mina
2012-2016	Spenser Smith	*Advisor:* Anne Delany
2012-2015	*Eric James	*Advisor:* Lakshmi Nair
2012-2015	Thomas Estus	*Advisor:* Liisa Kuhn
2011-2015	Neha Dole	*Advisor:* Anne Delany
2010-2013	Eliane Dutra	*Advisor:* Ernst Reichenberger
2010-2013	*Lyndon Charles	*Advisor:* Liisa Kuhn
2010-2014	Tiziana Franceschetti	*Advisor:* Anne Delany
2006-2010	Kristina Kapinas	*Advisor:* Anne Delany
2006-2009	Hechang Huang	*Advisor:* Carol Pilbeam
2006-2009	I-Ping Chen	*Advisor:* Ernst Reichenberger
2003	Kimberly Mix	*Advisor:* Constance Brinckerhoff *Dartmouth College*

v. Undergraduate Students

2021	Joshua Salem *College Summer Research Fellowship*	UConn, Storrs
2019	*Isaac Gándara *Build Scholar Summer Fellowship* *Recipient of "Best Undergraduate Presenter Award", 2019 BUILD Symposium (El Paso, TX) for summer research project* *Recipient of "Top Ten Seniors Award" 2020, University of Texas, El Paso*	University of Texas, El Paso
2017	*Jovaun Mason *Undergraduate Internship*	UConn, Storrs
2016	*Zena Wright *College Summer Research Fellowship*	Western Connecticut State University
2015	Darby Jalbert *College Summer Research Fellowship*	University of Oklahoma, Norman
2014	Michelle Walther *College Summer Research Fellowship*	Cornell University
2014	*Cheryl-ann Francis *College Summer Research Fellowship*	Defiance College
2012	Laura D'Angelo *Summer Research Volunteer*	University of Saint Joseph

2011	*Lucila Portela *College Summer Research Fellowship*	University of Puerto Rico
2009	*Tinisha Ricks *College Summer Research Fellowship*	Ramapo College
2009	Eric Comeau *College Summer Research Fellowship*	University of Pennsylvania, Philadelphia
2008	Vikram Shenoy *College Summer Research Fellowship*	University of Connecticut, Storrs
2005	*Greg Eloho *Bridges to Baccalaureate Program*	Capital Community College
2003	*Jaqueline Champagnie *3 month internship*	Saint Joseph College

vi. Medical Students/ Dental Students/ Dental Masters Students

2017-2021	Coach for 10 medical students	University of Connecticut School of Medicine
2012	MaryKate Conboy *Summer Research Fellowship*	University of Connecticut Dental School
2011	Vikram Shenoy *Summer Research Fellowship*	University of Connecticut School of Medicine
2010	Jayasanker Valiyaparambil, BDS, MPH *UCHC SCOB T32 Postdoctoral trainee, oral radiology*	University of Connecticut Dental School
2007	*Remigius Jackson *College Summer Research Fellowship Recipient of the Gustave Perl Memorial Award for outstanding original research 2008, based on summer research project*	Meharry Dental School

vii. Biomedical Science Masters Student Committees

2017-2019	*Shania Aponte Paris	*Advisor:* Kimberly Dodge
2015-2016	*Trisha Kwarko	*Advisor:* Carol Pilbeam
2015-2016	*Sandra Lopez	*Advisor:* Caroline Dealy
2015-2016	*Melissa Carr-Reynolds	*Advisor:* Marc Hansen
2015-2016	*La Shondra Ellis	*Advisor:* Andrew Arnold

I. Graduate Program Teaching Responsibilities

2013-2015	Tool Kit for Scientific Communication MEDS 6447	Lecturer
2011-2013	Skeletal Craniofacial and Oral Biology Journal Club MEDS 6497-43	Course Director
2011, 2013	Skeletal Biology MEDS 5415	Section Leader & Lecturer