
CURRICULUM VITAE

Dominik R Haudenschild

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Education

Education and Training

1984-1989 Boston University, Boston, MA, B.A., Biology
1998-2003 University of California at Davis, Sacramento, CA, Ph.D., Biochemistry and Molecular Biology (A. Hari Reddi), Dissertation Title Bone Morphogenetic Protein and Interleukin-17 Receptor-Like Protein in Prostate Cancer

Education: Additional Information

Training

Biostatistics, Harvard University School of Public Health, Boston Mass, 1992

Junior Career Leadership Program, UC Davis School of Medicine, Sacramento CA 2010-2011

2013 Mid-Career Faculty Leadership Development Course
Fostering a Research Program in Your Department or Section

2012 Mid-Career Faculty Leadership Development Course
Education Components: Residency and Fellowship Programs

2014 Mid-Career Faculty Leadership Development Course
Leadership in a Time of Scarcity

Employment

Employment History

5/1988-9/1988 Mallory Institute of Pathology, Boston, Mass, Summer Intern
1989-1991 La Jolla Cancer Research Foundation, La Jolla, CA, Research Assistant and Lab Manager, Now called The Burnham Institute
1991-1994 Harvard University School of Medicine, Cutaneous Biology Research Center, Boston, Mass, Senior Technologist
1994-1998 Genzyme Tissue Repair, Department of Cell Biology, Framingham, Mass, Principal Research Associate
1998-2003 UC Davis School of Medicine, Center for Tissue Regeneration and Repair, Sacramento, CA, Postgraduate Researcher and Ph.D. Candidate
2003-2005 UC Davis School of Medicine, Orthopaedic Research Laboratory, Sacramento, CA, Adjunct Instructor
2005-2006 The Scripps Research Institute, Division of Arthritis Research, La Jolla, CA, Senior Research Associate
2005-2008 Shiley Center for Orthopaedic Research and Education at Scripps Clinic, La Jolla, CA, Senior Cartilage Specialist
2007-2008 The Scripps Research Institute, Division of Arthritis Research, La Jolla, CA, Adjunct Assistant Professor
2008-2014 UC Davis School of Medicine, Department of Orthopaedic Surgery, Sacramento, CA, Assistant Professor in Residence
2014-Present UC Davis School of Medicine, Department of Orthopaedic Surgery, Sacramento, CA, Associate Professor in Residence

Employment: Additional Information

Professional Appointments - Other

Adjunct Assistant Professor, Department of Molecular and Experimental Medicine, Division of Arthritis Research, The Scripps Research Institute, 2007-2008

Grants and Contracts

Grants Active

- 4/1/2011 - 3/31/2016 Grant #SPO Project Number 201015415, \$230,650, Principal Investigator, "Identification of Mechanresponsive Promoter Elements in Chondrogenesis", Haudenschild (Principal Investigator), NIH/NIAMS #1R03AR061038, Percentage Effort=30%
- 10/1/2012 - 09/30/2016 Grant #CDMRP, \$800,056, Principal Investigator, Early Intervention with CDK9 Inhibitors to Prevent Post-Traumatic OsteoArthritis, DOD, Percentage Effort=30%
- 01/01/2015 - 12/31/2016 \$50,000, Principal Investigator, Suppression of Trauma-Induced Systemic Inflammation, Orthopaedic Trauma Association
- 09/30/2015 - 04/01/2017 Grant #PR142010, \$307500, Principal Investigator, Enhanced Bone Formation in Segmental Defects with BMP2 in a Biologically Relevant Molecular Context, DOD CDMRP PRMRP Discovery Award, Percentage Effort=25%

Grants Completed

- 9/1/2008 - 8/30/2011 \$300,000, Principal Investigator, Startup Funds, UC Davis School of Medicine
- 12/1/2002 - 11/30/2005 Grant #DAMD17-01-1-0021, Co-Investigator, Bone Morphogenetic Proteins, Antagonists, and Receptors in Prostate Cancer, A. Hari Reddi (Principal Investigator), DOD
- 8/1/2002 - 6/30/2005 Grant #1R01AR047345-01A2, Assistant Researcher, Chondroleukin and Articular Cartilage, A. Hari Reddi (Principal Investigator), NIH
- 8/1/2010 - 9/1/2010 \$4000, Principal Investigator, MicroRNA Response to Mechanical Stimulation in Human Articular Chondrocytes and Bone Marrow Stem Cells, Dominik Haudenschild (Principal Investigator), UC Davis Committee on Research Summer Salary Research Grant, Percentage Effort=100%
- 11/8/2010 - 11/30/2015 \$178,543.26, Co-Investigator, In vitro and in vivo evaluation of allogeneic cadaveric mesenchymal stem cells, Mark Lee (Principal Investigator), Synthes, Percentage Effort=5%
- 02/01/2012 - 1/31/2014 Grant #2012IRG, \$200,000, Principal Investigator, Preventing PTOA after ACL Injury in a Non-invasive Mouse Model, Arthritis Foundation, Percentage Effort=20%
- 07/01/2012 - 06/30/2014 Grant #1R21AR063348-01, \$423,500, Principal Investigator, Novel Early Intervention to Prevent Post-traumatic Osteoarthritis, NIH / NIAMS, Percentage Effort=20%
- 1/1/2012 - 12/31/2012 \$11,000, Collaborator, Testing the role of the alternatively spliced EDA segment of fibronectin in osteoarthritis, John Peters (Principal Investigator), COURT, Percentage Effort=5%
- 10/1/2012 - 3/31/2014 Grant #PR110178, \$125,000, Co-Investigator, The Role of Peripheral Nerve Function to Age-Related Bone Loss and Changes in Bone Mechanotransduction, Blaine Christiansen (Principal Investigator), DOD / CDMRP Discovery Award, Percentage Effort=5%
- 7/1/2012 - 06/30/2013 \$24,300, Principal Investigator, Sustained COMP/BMP2 Presentation from Osteoinductive Implants in Spinal Fusion, Committee on Research, UC Davis, Percentage Effort=10%
- 07/01/2014 - \$20,000, Trainer, The Role of Nox4 as a mediator of osteoarthritis and a potential target for

06/30/2015	treatment, Adam Wegner (Principal Investigator), Orthopaedic Research and Education Foundation, Percentage Effort=5%
07/01/2014 - 06/30/2015	Grant #T-32, \$25,476, Trainer, The Role of Mesenchymal Stem Cells in Spinal Fusion, Mentee Michael Robbins co-mentored by Klineberg & Haudenschild (Principal Investigator), T-32 Mentored Clinical Research Training Program
07/01/2014 - 06/30/2015	\$20000, Trainer, Nox4 in Joint Injury, Adam Wegner (Principal Investigator), Orthopaedic Trauma Association, Percentage Effort=5%
08/26/2011 - 10/26/2011	Grant #S-RSDH975, \$800, Principal Investigator, Academic Senate Research Travel Award Program, UC Davis Academic Senate Committee on Research, Percentage Effort=1%
12/01/2012	Grant #RheumaFonds, Collaborator, COMP to Augment Cartilage Engineering, Tim Welting (Principal Investigator), Rheumatic Foundation of the Netherlands, Percentage Effort=5%
06/05/2013	Collaborator, Notch Signaling in OA, Stefano Zanotti (Principal Investigator), NIH/NIAMS
02/04/2012 - 02/07/2012	\$250, Trainer, Travel Award to Orthopaedic Research Society Annual Meeting, Award is for Jeffrey Lu (Principal Investigator), UC Davis Graduate Studies, Percentage Effort=0%

Honors & Awards

1998	Earle C. Anthony Scholarship Award
2015	Orthopaedic Research Society Exchange Grant recipient of up to \$7500 (provides investigators at any stage of their career an opportunity to visit a research lab for the purpose of collaboration and knowledge exchange)
2015	Best Collaborative Research Project, UC Davis Department of Orthopaedic Surgery, \$2000, Because collaboration between clinical faculty and research faculty is so highly valued in our department, we would also like to feature a presentation of the best collaborative research project between a clinical faculty member and one of our basic science faculty. Selection for this paper presentation will be a competitive review process.

Publications

Journals

1993	Tondravi MM, Winterbottom N, Haudenschild DR, Goetinck PF. <i>Cartilage matrix protein binds to collagen and plays a role in collagen fibrillogenesis</i> . Prog Clin Biol Res , 383B: 515-22.
1994	Binette F, Cravens J, Kahoussi B, Haudenschild DR, Goetinck PF. <i>Link protein is ubiquitously expressed in non-cartilaginous tissues where it enhances and stabilizes the interaction of proteoglycans with hyaluronic acid</i> . J Biol Chem , 269(29): 19116-22.
1995	Chen Q, Johnson DM, Haudenschild DR, Tondravi MM, Goetinck PF. <i>Cartilage matrix protein forms a type II collagen-independent filamentous network: analysis in primary cell cultures with a retrovirus expression system</i> . Mol Biol Cell , 6(12): 1743-53.
1995	Chen Q, Johnson DM, Haudenschild DR, Goetinck PF. <i>Progression and recapitulation of the chondrocyte differentiation program: cartilage matrix protein is a marker for cartilage maturation</i> . Dev Biol , 172(1): 293-306.
1995	Haudenschild DR, Tondravi MM, Hofer U, Chen Q, Goetinck PF. <i>The role of coiled-coil alpha-helices and disulfide bonds in the assembly and stabilization of cartilage matrix protein subunits. A mutational analysis</i> . J Biol Chem , 270(39): 23150-4.
1996	Chen Q, Johnson DM, Haudenschild DR, Goetinck PF. <i>Cartilage matrix protein: expression patterns in chicken, mouse, and human</i> . Ann N Y Acad Sci , 785: 238-40.
1998	Binette F, McQuaid DP, Haudenschild DR, Yaeger PC, McPherson JM, Tubo R. <i>Expression</i>

of a stable articular cartilage phenotype without evidence of hypertrophy by adult human articular chondrocytes in vitro. **J Orthop Res**, 16(2): 207-16.

- 2001 Haudenschild DR, McPherson JM, Tubo R, Binette F. *Differential expression of multiple genes during articular chondrocyte redifferentiation.* **Anat Rec**, 263(1): 91-8.
- 2002 Haudenschild D, Moseley T, Rose L, Reddi AH. *Soluble and transmembrane isoforms of novel interleukin-17 receptor-like protein by RNA splicing and expression in prostate cancer.* **J Biol Chem**, 277(6): 4309-16.
- 2003 Moseley TA, Haudenschild DR, Rose L, Reddi AH. *Interleukin-17 family and IL-17 receptors.* **Cytokine Growth Factor Rev**, 14(2): 155-74.
- 2004 Haudenschild DR, Palmer SM, Moseley TA, You Z, Reddi AH. *Bone morphogenetic protein (BMP)-6 signaling and BMP antagonist noggin in prostate cancer.* **Cancer Res**, 64(22): 8276-84.
- 2006 Haudenschild DR, Curtiss SB, Moseley TA, Reddi AH. *Generation of interleukin-17 receptor-like protein (IL-17RL) in prostate by alternative splicing of RNA.* **Prostate**, 66(12): 1268-74.
- 2006 You Z, Shi XB, DuRaine G, Haudenschild DR, Tepper CG, Lo SH, Gandour-Edwards R, de Vere White RW, Reddi AH. *Interleukin-17 receptor-like gene is a novel antiapoptotic gene highly expressed in androgen-independent prostate cancer.* **Cancer Res**, 66(1): 175-83.
- 2008 Kokubu T, Haudenschild DR, Moseley TA, Rose L, Reddi AH. *Immunolocalization of IL-17A, IL-17B, and their receptors in chondrocytes during fracture healing.* **J Histochem Cytochem**, 56(2): 89-95.
- 2008 Haudenschild DR, D'Lima DD, Lotz MK. *Dynamic compression of chondrocytes induces a Rho kinase-dependent reorganization of the actin cytoskeleton.* **Biorheology**, 45(3-4): 219-28.
- 2008 Haudenschild DR, Nguyen B, Chen J, D'Lima DD, Lotz MK. *Rho kinase-dependent CCL20 induced by dynamic compression of human chondrocytes.* **Arthritis Rheum**, 58(9): 2735-42.
- 2009 Haudenschild DR, Chen J, Steklov N, Lotz MK, D'Lima DD. *Characterization of the Chondrocyte Actin Cytoskeleton in Living Three-Dimensional Culture: Response to Anabolic and Catabolic Stimuli.* **Molecular Cellular Biomechanics**, 6(3): 135-144.
- 2010 Haudenschild DR, Chen J, Pang N, Lotz MK, D'Lima DD. *Rho Kinase-Dependent Activation of Sox9 in Chondrocytes.* **Arthritis & Rheumatism**, 62(1): 191-200.
- 2011 Hong E, Di Cesare PE, Haudenschild DR. *Role of c-MAF in Chondrocyte Differentiation: A Review.* **Cartilage**, 2(1): 27-35.
- 2011 Haudenschild DR, Chen J, Pang N, Steklov N, Grogan SP, Lotz MK, D'Lima DD. *Vimentin contributes to changes in chondrocyte stiffness in osteoarthritis.* **J Orthop Res**, 29(1): 20-25.
- 2011 Li H, Haudenschild DR, Di Cesare PE, Posey K, Hecht J, and Yik JHN. *Comparative analysis with collagen type II distinguishes cartilage oligomeric matrix protein as a primary TGF- β -responsive gene.* **Osteoarthritis & Cartilage**, 19(10): 1246-1253.
- 2011 Haudenschild DR, Hong E, Yik JHN, Chromy BA, Mörgelein M, Snow KD, Acharya C, Takada Y, and PE Di Cesare. *Enhanced Activity of TGF- β 1 bound to Cartilage Oligomeric Matrix Protein.* **Journal of Biological Chemistry**, 286(50): 43250-8.
- 2012 Haudenschild DR, Hong E, Hatcher SL, and A.A. Jamali. *Chondrogenic Potential and Homogeneity of Cell Populations of Donor and Recipient Cells in a Fresh Osteochondral Allograft: A Case Report.* **Journal of Bone and Joint Surgery**, Feb 1;94(3): e171-7.
- 2012 Amanatullah DF, Lu JC, Hecht JT, Posey K, Yik JHN, Di Cesare PE, and Haudenschild DR. *Identification of a Mechanoresponsive Promoter Region in the Human Cartilage Oligomeric Matrix Protein Gene.* **Tissue Engineering Part A**, 18(17-18): 1882-9.
- 2012 Christiansen BA, Lee CA, Anderson MJ, Williams JC, Yik JHN, and Haudenschild DR. *Musculoskeletal Changes Following Non-Invasive Knee Injury Using a Novel Mouse Model of Post-Traumatic Osteoarthritis.* **Osteoarthritis and Cartilage**, 20(7): 773-82.

- 2012 Kumari R, Li H, Haudenschild DR, Fierro F, Carlson C, Overn P, Gupta L, Gupta K, Nolta J, Yik JHN, and Di Cesare PE. *The Oncogene LRF is a Survival Factor in Chondrosarcoma and Contributes to Tumor Malignancy and Drug Resistance*. **Carcinogenesis**, 33(11): 2076-86.
- 2013 Ishida K and Haudenschild DR. *Interactions Between FGF21 and BMP-2 in Osteogenesis*. **BBRC Biochemical and Biophysical Research Communications**, 432(4): 677-682.
- 2013 Ishida K, Acharya C, Christiansen BA, Yik JHN, Di Cesare PE, and Haudenschild DR. *Cartilage Oligomeric Matrix Protein Enhances Osteogenesis by Directly Binding and Activating Bone Morphogenetic Protein-2*. **Bone**, 55(1): 23-35.
- 2013 Hong E, Yik JHN, Amanatullah DF, Di Cesare PE, and Haudenschild DR. *c-Maf Transcription Factor Regulates ADAMTS-12 Expression in Human Chondrogenic Cells*. **Cartilage**, 4(2): 177-86.
- 2013 Chahine N, Blanchette C, Thomas C, Lu J, Haudenschild DR, and Loots G. *Effect of age and cytoskeletal elements on the indentation-dependent mechanical stiffness of chondrocytes*. **PLoS ONE**, 8(4): e61651.
- 2013 Yik JHN, Li H, Acharya C, Kumari R, Fierro F, Haudenschild DR, Nolta J, and Di Cesare PE. *The oncogene leukemia/lymphoma-related factor (LRF) stimulates proliferation of mesenchymal stem cells and inhibits their chondrogenic differentiation*. **Cartilage**, 4(4): 329-338.
- 2014 Lockwood K, Chu B, Anderson M, Haudenschild DR, Christiansen BA. *Comparison of loading rate-dependent injury modes in a murine model of post-traumatic osteoarthritis*. **Journal of Orthopaedic Research**, Jan 32(1): 79-88.
- 2014 Yik JHN, Hu A, Kumari R, Christiansen BA, and Haudenschild DR. *Cyclin-Dependent Kinase 9 Inhibition Protects Cartilage from the Catabolic Effects of Pro-Inflammatory Cytokines*. **Arthritis & Rheumatology**, 66(6): 1537-46.
- 2014 Acharya C, Yik JHN, Kishore A, Van Dinh V, Di Cesare PE, and Haudenschild DR. *Cartilage Oligomeric Matrix Protein and its Binding Partners in the Cartilage Extracellular Matrix: Interaction, Regulation, and role in Chondrogenesis*. **Matrix Biology**, 37C(37C): 102-111.
- 2014 Satkunananthan PB, Anderson MJ, De Jesus NM, Haudenschild DR, Ripplinger CM, and Christiansen BA. *In Vivo Fluorescence Reflectance Imaging of Protease Activity in a Mouse Model of Post-Traumatic Osteoarthritis*. **Osteoarthritis & Cartilage**, 22: 1461-9.
- 2014 Haudenschild DR, Eldridge A, Lein P, and Chromy B. *High Abundant Protein Removal from Rodent Blood for Biomarker Discovery*. **BBRC**, 455(1-2): 84-9.
- 2014 Klineberg, E, Haudenschild, DR, Snow, KD, Garitty, S, Christiansen, BA, Acharya, C, Maitra, S, Gupta, MC. *The effect of noggin interference in a rabbit posterolateral spinal fusion model*. **European Spine Journal**, 23(11): 2385-92.
- 2015 Khorasani, MS, Diko, S, Hsia, AW, Anderson, MJ, Genetos, DC, Haudenschild, DR, Christiansen, BA. *Effect of alendronate on post-traumatic osteoarthritis induced by anterior cruciate ligament rupture in mice*. **Arthritis research & therapy**, 17(1): 30.
- 2015 Hu Z, Yik JHN, Cissell DD, Michelier PV, Athanasiou KA, and Haudenschild DR. *Inhibition of Cdk9 Prevents Mechanical Injury-Induced Inflammation, Apoptosis, and Matrix Degradation in Cartilage Explants*. **eCM**, 30: 200-9.
- 2015 Fukui, T, Tenborg, E, Yik, JH, Haudenschild, DR. *In-vitro and in-vivo imaging of MMP activity in cartilage and joint injury*. **Biochemical and biophysical research communications**, 460(3): 741-6.
- 2015 Christiansen BA, Guilak F, Lockwood KA, Olson SA, Pitsillides AA, Sandell LJ, Silva MJ, van der Meulen MCH, and Haudenschild DR. *Non-Invasive Mouse Models of Post-Traumatic Osteoarthritis*. **Osteoarthritis & Cartilage**, 23(10): 1627-38.
- 2015 Chubinskaya S, Haudenschild DR, Gasser S, Stannard J, Krettek C, Borrelli J Jr.. *Articular Cartilage Injury and Potential Remedies*. **J Orthop Trauma**, Dec(29): S47-52.
- 2015 Refaat M, Klineberg EO, Fong MI, Garcia-Nolen T, Leach JK, and Haudenschild DR. *Binding to COMP Reduces the BMP2 Dose for Spinal Fusion in a Rat Model*. **Spine**, epub ahead of

print.

Book Chapters

- 2000 Reddi AH and Haudenschild DR: *BMP Family*, Oppenheim J and Feldman M, (ed), **Cytokine Reference, Two-volume set**, Elsevier.
- 2013 Steven Abramson, Paul DiCesare, John Samuels, Dominik Haudenschild: *Chapter 98: Etiology and Pathogenesis of Osteoarthritis*, Gabriel Sherine, (ed), **Kelley's Textbook of Rheumatology**, Elsevier.
- 2015 Christiansen BA, Yik JHN, and Haudenschild DR: *Closed Joint ACL Disruption in Murine Model of PTA, Chapter 7*, Farshid Guilak and Steven Olson, (ed), **Post-Traumatic Arthritis: Pathogenesis, Diagnosis, and Management**, Springer.

Letters to the Editor

- 2014 Haudenschild DR and Yik JHN. *Reply to "Why does Flavopiridol maximize the expression of some genes? A question on the article by Yik et al"* **Arthritis & Rheumatology**, 66(12): 3526.

Abstracts

- 1993 Chen Q, Johnson DM, Haudenschild DR, and Goetink PF. *Characterization of the Three Major Stages of Cartilage Differentiation During Limb Development: Tissue and Developmental Stage Specific Expression of Cartilage Extracellular Matrix Molecules*. **Poster Presentation at the 33rd Annual Meeting of the American Society of Cell Biology (ASCB), New Orleans LA.**
- 1994 Haudenschild DR, Tondravi MM, and Goetinck PF. *Analysis of Cartilage Matrix Protein Oligomerization*. **Poster at the 34th Annual Meeting of the American Society for Cell Biology (ASCB), San Francisco CA.**
- 1997 Haudenschild DR, Wright K, Tubo R, and Binette F. *Rapid Phenotypic Characterization by RT-PCR of Whole Cells for Tissue Engineering*. **Smith&Nephew International Symposium on Advances in Tissue Engineering and Biomaterials, York England.**
- 1997 Haudenschild DR, Gagne T, McPherson JM, Tubo R, Vasios G, and Binette F. *Connective Tissue Growth Factor Expression During Chondrocyte Growth & Differentiation: Modulation by TGF β* . **Presentation (by FB) at the International Conference on Bone Morphogenetic Proteins, Sacramento CA.**
- 1999 Spicer AP, Camenish T, Nguyen T, Haudenschild DR, and McDonald JM. *Hyaluronan biosynthesis and function in vertebrates*. **XVth International Symposium on Glycoconjugates, Tokyo JP**, 16(S5).
- 1999 Haudenschild DR, McPherson JM, Tubo R, and Binette F. *Differential Gene Expression During Early Events of Articular Chondrocyte Differentiation*. **Poster Presentation at the 45th Annual Meeting of the Orthopaedic Research Society (ORS).**
- 1999 Spicer AP, Nguyen TK, Wilson C, Haudenschild DR, and Lee JN. *In Vitro and In Vivo Investigation of Hyaluronan Synthase Function*. **Presentation (by APS) at the XVth International Symposium on Glycoconjugates, Tokyo JP.**
- 1999 Spicer AP, Haudenschild DR, Lee JN, and Nguyen TK. *Tissue-Specific Mutation of the Hyaluronan Synthase 2 (Has2) Gene in the Mouse*. **Presentation (by APS) at the 2nd International Conference on Bone Morphogenetic Proteins, Granlibakken CA.**
- 2000 Rose L, Moseley TA, Morgan R, Haudenschild DR, and Reddi AH. *Chondroleukin, A Novel Cytokine in Cartilage*. **International Conference on Bone Morphogenetic Proteins.**
- 2001 Wong GA, Tang V, Haudenschild DR, Weiss RH, and Howard L. *Bone morphogenetic Protein-2 is expressed by atherosclerotic aortic tissue and is associated with decreased vascular smooth muscle cell proliferation*. **Journal of Bone and Mineral Research**, 16(S440).
- 2002 Haudenschild DR, Moseley TA, and Reddi AH. *Interleukin 17 Cytokines and Novel Receptor-Like Protein in Prostate Cancer*. **Prout's Neck Prostate Cancer Meeting, Prout's Neck ME.**

- 2003 Haudenschild DR, Moseley TA, and Reddi AH. *Interleukin-17 Cytokines and Novel Receptor-Like Protein in Prostate Cancer*. **Poster presentation at the 94th Annual Meeting of the American Association for Cancer Research (AACR), Washington DC.**
- 2003 Reddi AH, Moseley TA, and Haudenschild DR. *Reciprocal Role of BMPs and IL-17 Family in Cartilage Homeostasis*. **16th Annual Meeting of the Japanese Society of Cartilage Metabolism, Tokyo, Japan.**
- 2003 Kokubu T, Hak DJ, Haudenschild DR, Moseley TA, Rose L, and Reddi AH. *Localization of IL-17 Family Members and Cognate Receptors in Chondrocytes During Rat Bone Formation*. **49th Annual Meeting of the Orthopaedic Research Society (ORS).**
- 2004 You Z, Shi X, DuRaine GD, Haudenschild DR, Lo SH, Gandour-Edwards R, DeVere-White RW, and Reddi AH. *Interleukin-17 Receptor-like Protein Inhibits TNF- α -induced Apoptosis of Prostate Cancer Cells by Blocking Caspase-3 Activation*. **Molecular Biology of the Cell, 44th Annual Meeting of the American Society for Cell Biology (ASCB), Washington DC.**
- 2005 D.R. Haudenschild, S.M. Palmer, T.A. Moseley, Z. You, and A. Hari Reddi. *Bone Morphogenetic Protein 6 (BMP-6) Signaling and BMP-antagonist Noggin in Prostate Cancer*. **Journal of Urology May-July Survey.**
- 2005 You Z, Shi G, DuRaine GD, Haudenschild DR, Lo SH, Tepper CG, Gandour-Edwards R, DeVere-White RW, and Reddi AH. *Interleukin-17 receptor-like protein is a novel antiapoptotic gene over-expressed in androgen independent prostate cancer*. **96th Annual Meeting of the American Association for Cancer Research (AACR).**
- 2006 Haudenschild DR, Nguyen B, Dooley Z, Chen J, Colwell CW Jr, D'Lima DD, and Lotz MK. *Dynamic Compression of Chondrocytes Induces a Rho Kinase-dependent Reorganization of the Actin Cytoskeleton*. **2006 World Congress on Osteoarthritis (OARSI).**
- 2006 Haudenschild DR, Chen J, Mak YW, Nguyen B, Singh S, Colwell CW Jr, D'Lima DD, and Lotz MK. *Rho Kinase Activity and Actin Cytoskeleton Reorganization are Required for TGF- β Induced Matrix Synthesis*. **2006 World Congress on Osteoarthritis (OARSI).**
- 2007 Haudenschild DR, Nguyen B, Dooley Z, Chen J, Colwell CW Jr, D'Lima DD, and Lotz MK. *Dynamic Compression of Chondrocytes Induces a Rho Kinase-dependent Reorganization of the Actin Cytoskeleton*. **53rd Annual Meeting of the Orthopaedic Research Society (ORS).**
- 2007 Haudenschild DR, Chen J, Mak YW, Nguyen B, Singh S, Colwell CW Jr, D'Lima DD, and Lotz MK. *Rho Kinase Activity and Actin Cytoskeleton Reorganization are Required for TGF- β Induced Matrix Synthesis*. **53rd Annual Meeting of the Orthopaedic Research Society (ORS).**
- 2007 Haudenschild DR, D'Lima DD, and Lotz MK. *Dynamic Compression of Chondrocytes Induces a Rho Kinase-Dependent Reorganization of the Actin Cytoskeleton*. **Presentation (by MKL) at the BioRheology Meeting, Athens Greece.**
- 2008 Haudenschild DR, Verioti C, Pang N, D'Lima DD, and Lotz MK. *Rho Kinase-Dependent Nuclear Translocation of Sox9 by Dynamic Compression of Chondrocytes*. **54th Annual Meeting of the Orthopaedic Research Society (ORS).**
- 2008 Haudenschild DR, Chen J, Pang N, Verioti C, Lotz MK, and D'Lima DD. *Rho Kinase Phosphorylates Sox9 to Enhance Transcriptional Activity*. **2008 World Congress on Osteoarthritis (OARSI).**
- 2008 Haudenschild DR, Chen J, Lotz MK, and D'Lima DD. *Early-Phase Mechanoresponsive Genes in Dynamically Compressed Chondrocytes Require Rho Kinase Activity and Actin Remodeling*. **54th Annual Meeting of the Orthopaedic Research Society (ORS).**
- 2009 Haudenschild DR, Chen J, Pang N, Steklov N, Lotz MK, and D'Lima DD. *The Vimentin Cytoskeleton Contributes to Chondrocyte Stiffness And Changes in Osteoarthritis*. **55th Annual Meeting of the Orthopaedic Research Society (ORS), Las Vegas NV.**
- 2009 June RK, Haudenschild DR, Chen J, Lotz MK, Terkeltaub RA, D'Lima DD. *Transglutaminase-2 Colocalizes with Vimentin and Actin in Chondrocytes*. **55th Annual Meeting of the Orthopaedic Research Society (ORS), Las Vegas, NV.**

- 2009 Haudenschild DR, Chen J, Pang N, Lotz MK, and D'Lima DD. *Rho Kinase Phosphorylates and Activates Sox9 in Chondrocytes*. **55th Annual Meeting of the Orthopaedic Research Society (ORS), Las Vegas NV.**
- 2009 Haudenschild DR, Chen J, Pang N, Steklov N, Grogan SP, Lotz MK, and D'Lima DD. *The Vimentin Cytoskeleton Contributes to Chondrocyte Stiffness And Changes in Osteoarthritis*. **8th World Congress of the International Cartilage Repair Society (ICRS), Miami FL.**
- 2010 Haudenschild DR, Hong E, DiCesare PE, Jamali A. *Human Allograft Characterization after 3 years In Vivo: Location Dependence*. **56th Annual Meeting of the Orthopaedic Research Society (ORS) in 2010.**
- 2010 Hong E, DiCesare P, and Haudenschild DR. *COMP Fragments Generated by Extracts of Arthritic Osteochondral Tissue and ADAMTS12*. **56th Annual Meeting of the Orthopaedic Research Society (ORS) in 2010.**
- 2010 Hong E, Yik J, DiCesare PE, Haudenschild DR. *Reciprocal Regulation of ADAMTS7 and ADAMTS12 by Dexamethasone in Chondrocytes*. **56th Annual Meeting of the Orthopaedic Research Society (ORS) in 2010.**
- 2010 Yik JHN, Li H, Haudenschild DR, DiCesare PE. *Leukemia/Lymphoma-Related Factor (LRF) Inhibits Chondrogenesis of Human Mesenchymal Stem Cells*. **56th Annual Meeting of the Orthopaedic Research Society (ORS) in 2010.**
- 2010 Yik JHN, Li H, Fierro F, Haudenschild DR, Carlson CS, Tamurian R, Nolte J, DiCesare PE. *Elevated Expression of the Oncogene LRF is Associated with Chondrosarcoma Malignancy*. **15th UCDMC Cancer Center Symposium, October 28, 2010.**
- 2011 Amanatullah DR, Lu J, Curtiss S, Yik JHN, and Haudenschild DR. *Monitoring COMP Expression During Articular Chondrocyte Compression*. **57th Annual Meeting of the Orthopaedic Research Society (ORS) in 2011.**
- 2011 Hong E, Yik J, Di Cesare PE, and Haudenschild DR. *c-Maf Transcription Factor Regulates ADAMTS-12 Expression in Human Chondrocytes*. **57th Annual Meeting of the Orthopaedic Research Society (ORS) in 2011.**
- 2011 Haudenschild DR, Yik JHN, Hong E, and DiCesare PE. *COMP Binds Multiple TGF- β 1 to Activate TGF β 1 Signaling*. **57th Annual Meeting of the Orthopaedic Research Society (ORS) in 2011.**
- 2011 Yik JHN, Li H, Haudenschild DR, and Di Cesare PE. *Cartilage Oligomeric Matrix Protein (COMP) is a Primary Response Gene Targeted by TGF- β 1*. **57th Annual Meeting of the Orthopaedic Research Society (ORS) in 2011.**
- 2011 Yik JHN, Li H, Haudenschild DR, and DiCesare PE. *Persistent Expression of LRF (Leukemia/Lymphoma-Related Factor) Inhibits Chondrogenesis of Mesenchymal Stem Cells*. **57th Annual Meeting of the Orthopaedic Research Society (ORS) in 2011.**
- 2011 Yik JHN, Li H, Haudenschild DR, Carlson CS, Tamurian R, and DiCesare PE. *High Grade Chondrosarcomas are Associated with Elevated Expression of the Proto-Oncogene LRF*. **57th Annual Meeting of the Orthopaedic Research Society (ORS) in 2011.**
- 2011 Amanatullah DF, Lu JC, Hecht J, Posey K, Yik JHN, Di Cesare PE, and Haudenschild DR. *Monitoring Gene Expression In Articular Chondrocytes And Bone Marrow Derived Stem Cells During Dynamic Compression*. **Western Orthopaedic Association's Annual Meeting, July 27 - 30, 2011, Honolulu, Hawaii.**
- 2011 Christiansen BA, Lee C, Anderson MJ, Williams JC, and DR Haudenschild. *Short-term bone changes after non-invasive knee injury using a novel mouse model of post-traumatic osteoarthritis*. **ASBMR.**
- 2011 B. Christiansen, C Lee, M. Anderson, J. Williams, and D.R. Haudenschild. *Early Changes Following Knee Injury in Non-Invasive Mouse PTOA Model*. **World Congress on Osteoarthritis (OARSI).**
- 2011 C. Acharya, K.D. Snow, M. Mörögelin, E. Hong, P.E. Di Cesare, J HN Yik, Takada Y, and D.R. Haudenschild. *COMP Binds TGF- β family ligands to enhance their activity*. **World Congress on Osteoarthritis (OARSI).**

- 2011 Christiansen BA (Presenting), Lee CA, Anderson MJ, Williams CW, and Haudenschild, DR. *Rapid Subchondral Bone Changes after Non-Invasive ACL Injury in Mice*. **IBMS Sun Valley Workshop: Musculoskeletal Biology.**
- 2011 Eldridge A (presenting), Lein P, Haudenschild DR, and Chromy, B. *Proteomic Sample Preparation Method: Rodent Blood High Abundant Protein Removal*. **STAR - Student Training in Advanced Research Program, UC Davis School of Veterinary Medicine.**
- 2011 Kumari R, Li H, Haudenschild DR, Fierro F, Carlson CS, Nolta J, Yik JHN, and DiCesare PE. *Targeted Depletion of the Oncogene LRF Induces Senescence in Human Chondrosarcoma Cell Lines and Enhances their Chemosensitivity to Doxorubicin*. **Cancer Symposium.**
- 2012 Anderson MJ, Haudenschild DR, and Christiansen BA. *Loading Rate-Dependent Subchondral Bone Changes in a Mouse Model of Post-Traumatic Osteoarthritis*. **58th Annual Meeting of the Orthopaedic Research Society (ORS) in 2012.**
- 2012 DeJesus NM, Anderson MJ, Haudenschild DR, Ripplinger CM, and Christiansen BA. *In-Vivo Imaging of Inflammation, Bone Formation, and Bone Resorption in a Mouse Model of Post-Traumatic Osteoarthritis*. **58th Annual Meeting of the Orthopaedic Research Society (ORS) in 2012.**
- 2012 Acharya C, Yik JHN, Di Cesare PE, and Haudenschild DR. *Enhanced Binding of COMP to TGF β 1: Effect of Deletions in the TSP-type-3 Domain*. **58th Annual Meeting of the Orthopaedic Research Society (ORS) in 2012.**
- 2012 Yik JHN, Kumari R, Christiansen BA, Di Cesare PE, and Haudenschild DR. *The cdk9 Inhibitor Flavopiridol Effectively Suppresses the Activation of Primary Inflammatory Response Genes in Human Articular Chondrocytes*. **58th Annual Meeting of the Orthopaedic Research Society (ORS) in 2012.**
- 2012 Yik JHN, Kumari R, Li H, Carlson CS, Haudenschild DR, and Di Cesare PE. *Diagnostic and Therapeutic Implications of the Oncogene LRF in Chondrosarcoma*. **58th Annual Meeting of the Orthopaedic Research Society (ORS) in 2012.**
- 2012 Lu J, Blanchette C, Thomas C, Chahine N, Yik JHN, Loots G, Di Cesare PE, and Haudenschild DR. *Actin and Vimentin Structures Contribute to Chondrocyte Stiffness as Measured by Atomic Force Microscopy*. **58th Annual Meeting of the Orthopaedic Research Society (ORS) in 2012.**
- 2012 Snow KD, Klineberg EO, Haudenschild DR, Christiansen BA, Antkowiak T, Acharya C, Maitra S, and Gupta MC. *The Effect of Noggin Interference in a Rabbit Posterolateral Spinal Fusion Model*. **58th Annual Meeting of the Orthopaedic Research Society (ORS) in 2012.**
- 2012 Ishida K, Acharya C, Yik JHN, Di Cesare PE, and Haudenschild DR. *COMP Enhances BMP-2-Dependent Osteogenesis in C2C12 Cells via Activating BMP-2 Signaling*. **58th Annual Meeting of the Orthopaedic Research Society (ORS) in 2012.**
- 2012 Hong E, Yik J, Amanatullah DF, Di Cesare PE, and Haudenschild DR. *c-Maf Regulates ADAMTS-12 Expression in Human Chondrocytes*. **ICRS-2012 10th World Congress of the International Cartilage Repair Society, Montreal, Canada.**
- 2012 Ashleen Kishore, Chitragada Acharya, and Dominik Haudenschild. *Purification of full length COMP and its effect on chondrogenesis of human mesenchymal stem cells*. **Undergraduate Research Scholarship & Creative Activities Conference, UC Davis Undergraduate Research Center, April 27th.**
- 2012 Ishida K, Acharya C, Christiansen BA, Yik JHN, Di Cesare PE, and Haudenschild DR. *COMP Enhances BMP-2 Dependent Osteogenesis via Activating BMP-2 Signaling*. **American Society for Bone and Mineral Research ASBMR.**
- 2012 Victoria Van Dinh, Chitragada Acharya, and Dominik Haudenschild. *Specific Binding to Extracellular Matrix Affects Cartilage Growth Factors*. **Undergraduate Research Scholarship & Creative Activities Conference, UC Davis Undergraduate Research Center, April 27th.**
- 2012 Lu JC, Amanatullah DF, and Haudenschild DR. *Identification of a Mechanoresponsive Promoter Region in the Human Cartilage Oligomeric Matrix Protein Gene*. **UC Davis**

Biomedical Engineering Graduate Group Research Conference (Presented by Lu) May 11, 2012.

- 2012 Lu JC and Haudenschild DR. *Identification of a Mechanoresponsive Promoter Region in the Human COMP Gene*. **2012 UC Systemwide Bioengineering Conference, Berkeley CA.**
- 2012 Kazunari Ishida, Chitragada Acharya, and Dominik R. Haudenschild. *Enhancing the Activity of BMP and TGF- β* . **2012 International BMP Conference Abstracts.**
- 2012 Yik JHN, Christiansen BA, Anderson MJ, and Haudenschild DR. *Preventing PTOA after ACL Injury in a Non-Invasive Mouse Model*. **Segal North American Osteoarthritis Workshop.**
- 2012 Christiansen BA (presenting author), Haudenschild DR, and Lane NE. *Sex-Based Differences in Posttraumatic Osteoarthritis Development Following Knee Injury in Mice*. **Journal of Women's Health, Ninth Annual NIH Interdisciplinary Women's Health Research Symposium November 15, 2012**, 21(10): 990.
- 2013 Lockwood KA, Chi BT, Anderson MJ, Kelemen AC, Haudenschild DR, and Christiansen BA. *Subchondral Bone and Joint Laxity Changes in a Mouse Model of Post-Traumatic Osteoarthritis*. **59th Annual Meeting of the Orthopaedic Research Society (ORS) in 2013.**
- 2013 Ishida K, and Haudenschild, DR. *Fibroblast Growth Factor-21 (FGF-21) Enhances BMP-2 Dependent Osteogenesis via Activating Smad Pathway*. **59th Annual Meeting of the Orthopaedic Research Society (ORS) in 2013.**
- 2013 Acharya C, Lee MA, Lehmicke M, and Haudenschild DR. *Human mesenchymal stem cells derived from subchondral bone in arthritic patients: A novel source of stem cells for regenerative medicine*. **59th Annual Meeting of the Orthopaedic Research Society (ORS) in 2013.**
- 2013 Acharya C, Yik JHN, DiCesare PE, and Haudenschild DR. *Effect of deletions in the thrombospondin-like domain of COMP influencing COMP-TGF-beta1 binding in chondrogenesis of mesenchymal stem cells*. **59th Annual Meeting of the Orthopaedic Research Society (ORS) in 2013.**
- 2013 Yik JHN, Kumari R, Christiansen BA, and Haudenschild DR. *CDK9 Inhibition Protects Cartilage from the Catabolic Effects of Pro-Inflammatory Cytokines*. **59th Annual Meeting of the Orthopaedic Research Society (ORS) in 2013.**
- 2013 Yik JHN, Hu Z, Christiansen BA, and Haudenschild DR. *Early Transient Induction of IL-6 in a Mouse Joint Injury Model*. **World Congress on Osteoarthritis OARSI 2013.**
- 2013 Satkunanathan P, Anderson MJ, DeJesus CM, Ripplinger BA, Haudenschild DR, Christiansen BA. *Fluorescence Reflectance Imaging of Early Processes of Post-Traumatic Osteoarthritis in Male and Female Mice*. **World Congress on Osteoarthritis OARSI 2013.**
- 2013 Lu JC and Haudenschild DR. *Mechanoresponsive Cartilage Promoter Sequence in Human Cartilage Oligomeric Matrix Protein Gene*. **UC Davis Biomedical Engineering Graduate Group Research Conference.**
- 2013 Turkiewicz, Joanna, and Haudenschild DR. *MMP13 Degrades COMP in Osteoarthritis*. **UC Davis Undergraduate Research Conference.**
- 2014 Fukui T, Yik JHN, and Haudenschild DR. *The Analysis of the Effect of JQ1 and Flavopiridol on Chondrocytes under Inflammatory Stimuli*. **60th Annual Meeting of the Orthopaedic Research Society (ORS) in 2014.**
- 2014 June RK, Hu Z, Yik JHN, Christiansen BA, and Haudenschild DR. *Response to Early Joint Injury Assessed by Metabolomics in a Mouse Model*. **60th Annual Meeting of the Orthopaedic Research Society (ORS) in 2014.**
- 2014 Hu Z, Yik JHN, Fong JY, Michelier P, Shidara K, Liu N, Huang B, Cissell D, Christiansen BA, and Haudenschild DR. *Cdk9 Inhibition Attenuates Acute inflammatory Response and Reduces Bone Loss in a Non-Invasive Post-Traumatic Osteoarthritis Mouse Model*. **60th Annual Meeting of the Orthopaedic Research Society (ORS) in 2014.**
- 2014 Anderson MJ, Bodine SC, Baar K, Haudenschild DR, and Christiansen BA. *Bone and Muscle Atrophy During Disuse Following Knee Injury in Mice: Quantifying Independent Mechanisms*

Contributing to OA. 60th Annual Meeting of the Orthopaedic Research Society (ORS) in 2014.

- 2014 Khorassani JS, Diko S, Anderson MJ, Genetos DC, Haudenschild DR, and Christiansen BA. *Effect of Alendronate on Development of Post-Traumatic Osteoarthritis Induced by Non-Invasive Joint Injury Model in Mice. 60th Annual Meeting of the Orthopaedic Research Society (ORS) in 2014.*
- 2014 Hu Z, Yik JHN, Christiansen BA, and Haudenschild DR. *Cdk9 Inhibition Attenuates Inflammatory Response and Apoptosis in Cartilage Explants to Preserve Matrix Integrity in a Single Impact Mechanical Injury Model. World Congress on Osteoarthritis (OARSI).*
- 2014 Peters J, Fong J, Arabi Y, Christiansen BA, and Haudenschild DR. *Mice Null for the Alternatively Spliced EDA Segment of Fibronectin Exhibit Reduced Knee Inflammation after Tibial Compression Injury. World Congress on Osteoarthritis (OARSI).*
- 2014 Refaat MI, Williams JC, Haudenschild DR, and Lee MA. *Possible inhibitory effect of bone marrow derived mesenchymal stem cell application on BMP-2 mediated bone healing in a critical size defect model. Orthopaedic Trauma Association (OTA) 30th Annual Meeting.*
- 2014 Michelier P, Hu Z, Yik JHN, Shidara K, Liu N, Cissell D, Christiansen BA, and Haudenschild DR. *Cdk9 Inhibition Improves Injured Cartilage Mechanics. Medical Student Research Fellowship (MSRF) Presentation.*
- 2014 Fong J, and Haudenschild DR. *Functional Imaging of Early Joint Injury Reveals Lower MMP Activity with Cdk9 Inhibition in Post-Traumatic Osteoarthritis Mouse Model. Medical Student Research Fellowship Presentation, UC Davis SOM.*
- 2014 O'Connor D, Haudenschild DR, and Klineberg EO. *Characterization of Bone Marrow Derived Stem Cells for Spinal Fusion from Multiple Harvest Sites. Medical Student Research Fellowship Presentation, UC Davis SOM.*
- 2014 Arabi Y, Peters J, and Haudenschild DR. *EDA Segment of Fibronectin Affects PET Signal in a Mouse Model of Joint Injury. Undergraduate Research, Scholarship & Creative Activities Conference.*
- 2014 Shidara K, and Haudenschild DR. *Examination of Cellular Activity for Preserving Cartilage Cell Viability During Allograft Storage. Undergraduate Research, Scholarship & Creative Activities Conference.*
- 2014 Liu N, and Haudenschild DR. *Extending Osteochondral Allograft Viability through Delayed Primary Response Gene Transcription. Undergraduate Research, Scholarship & Creative Activities Conference.*
- 2014 Fukui T, Haudenschild DR. *In-vitro and in-vivo imaging of MMP activity in cartilage and joint injury. Biomedical Imaging Conference "From Mouse to Man: Advances in Imaging made Clinically Relevant"*
- 2014 Lu JC, Lin JY, Lin TY, and Haudenschild DR. *Mechanically Regulated Gene Promoters in Human Chondrocytes. Biomedical Engineering Graduate Group Conference.*
- 2014 Refaat M, Williams JC, Haudenschild DR, and Lee ML. *Possible Inhibitory Effect of Bone Marrow Derived Mesenchymal Stem Cell Application on BMP-2 Mediated Bone Healing in a Critical Size Defect Model. Orthopaedic Trauma Association Basic Sciences Forum, OTA Annual Meeting 2014 in Tampa, FL.*
- 2015 Refat M, Klineberg E, Haudenschild DR. *Cartilage Oligomeric Matrix Protein (COMP) Enhances Spinal Fusion in a Rat Model with Exogenous BMP. 2015 Annual Meeting of the American Academy of Orthopaedic Surgeons, (AAOS) Las Vegas.*
- 2015 Haudenschild DR, Zignego DL, Hu Z, Yik JHN, and June RK. *Flavopiridol Restores Global Metabolome in Mouse Post-Traumatic Osteoarthritis. 61th Annual Meeting of the Orthopaedic Research Society (ORS) in 2015.*
- 2015 Yik JHN, Liu N, Shidara K, Cissell D, Athanasiou KA, and Haudenschild DR. *Cdk9 Inhibitors Preserve the Mechanical Properties of Osteochondral Explants after Prolonged Storage. 61th Annual Meeting of the Orthopaedic Research Society (ORS) in 2015.*

- 2015 Fukui T, Yik JHN, and Haudenschild DR. *The Effect of Inhibitors of Brd4 and Cdk9 on Early Phase of Post-Traumatic Osteoarthritis*. **61th Annual Meeting of the Orthopaedic Research Society (ORS) in 2015.**
- 2015 Fukui T, Tenborg E, Yik JHN, and Haudenschild DR. *In-vitro and in-vivo Imaging of MMP Activity in Cartilage and Joint Injury*. **61th Annual Meeting of the Orthopaedic Research Society (ORS) in 2015.**
- 2015 Fukui T, Castillo AB, Russel A, Yik JHN, and Haudenschild DR. *Comprehensive Transcriptome Analysis of Aging-Related Changes in Early Phase of Post-Traumatic Osteoarthritis*. **61th Annual Meeting of the Orthopaedic Research Society (ORS) in 2015.**
- 2015 Refaat M, Haudenschild DR, Lee MA. *Possible Inhibitory Effect of Mesenchymal Stem Cells on BMP-2 Mediated Bone Healing in a Critical Size Defect Model*. **2015 Annual Meeting of the American Academy of Orthopaedic Surgeons, (AAOS) Las Vegas.**
- 2015 Fukui T, Tenborg E, Yik JHN, and Haudenschild DR. *In-vitro and In-vivo Imaging of MMP Activity with MMPsense in Cartilage and Joint Injury*. **International Cartilage Repair Society (ICRS) 2015 annual meeting, Oral Presentation.**
- 2015 Fukui T, Castillo AB, Yik HJN, and Haudenschild DR. *Comprehensive transcriptome analysis of aging-related gene expression in early phase of post-traumatic osteoarthritis*. **Osteoarthritis Research Society International (OARSI), Oral Presentation.**
- 2015 Fukui T, Yik JHN, and Haudenschild DR. *The In Vivo and In Vitro Effect of Inhibitors of Brd4 and CDK9 on Early Phase of Post Traumatic Osteoarthritis*. **Poster Presentation, Osteoarthritis Research Society International (OARSI), Seattle, WA; April 30-May 3.**
- 2015 Hamil A, Haudenschild DR, Dowdy SF, and June RK. *Evidence of In Vivo Drug Delivery via the TAT Protein Transduction Domain*. **Poster Presentation, Osteoarthritis Research Society International (OARSI), Seattle, WA; April 30-May 3.**

Service

Editorial and Advisory Boards

- 2007 Abstract Reviewer, Orthopaedic Research Society.
- 2008 Abstract Reviewer, Section 1, Orthopaedic Research Society on the topic of Physical Effect on Cells/Cell&Molecular Imaging, Cartilage/Meniscus/Synovium track.
- 2008 Abstract Reviewer, Section 2, Orthopaedic Research Society on the topic of Cartilage & Matrix Proteins/Collagen & Matrix Proteins/Proteoglycan, Cartilage/Meniscus/Synovium track.
- 2011 Abstract Reviewer, (60 abstracts) for the 2012 Annual Meeting of the Orthopaedic Research Society.
- 2012 Editorial Board, Dentistry.
- 2012 Editorial Board of Datasets Papers in Medicine, Rheumatology.
- 2013 Abstract Reviewer, Orthopaedic Research Society 2014 Annual Meeting, topics Trauma - Joint Injuries and Post-Traumatic OA, Research Methodologies, Pathophysiology. , Topic Chair Joseph Borrelli, Jr., MD
- 2013 Poster Grading, 2013 ICRS meeting in Turkey.
- 2014 - Present Editorial Board Member, "Cartilage" - Journal of the International Cartilage Repair Society, <https://us.sagepub.com/en-us/nam/cartilage/journal201953#editorial-board>.
- 2014 - Present Editorial Board Member, "Journal of Orthopaedic Research" - Journal of the Orthopaedic Research Society, [http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1554-527X/homepage/EditorialBoard.html](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1554-527X/homepage/EditorialBoard.html).

Service: Additional Information

Services to Professional Societies

Invited Moderator at the 54th Annual Meeting of the Orthopaedic Research Society, Session 26 - Chondrocyte Mechanotransduction, in San Francisco, CA, March 4, 2008

Invited Moderator at the 55th annual Meeting of the Orthopaedic Research Society, Session 31 - Mesenchymal Stem Cells & Chondrogenesis, in Las Vegas, February 24, 2009

Invited Poster Walking Tour Guide

2012 at the annual Meeting of the Orthopaedic Research Society (ORS), served as an expert to guide ORS attendees around relevant posters to encourage interaction between presenters and attendees and to encourage / develop the next generation of ORS leaders.

Invited Presenter

2012 Segal North American Osteoarthritis Workshop V (SNOW V), "Preventing PTOA After ACL Injury in a Non-Invasive Mouse Model", October 26-28, Chigago IL.

Invited Poster Waling Tour Guide Poster Session I

2013 At the annual Meeting of the Orthopaedic Research Society (ORS), served as an expert to guide ORS attendees around relevant posters to encourage interaction between presenters and attendees and to encourage / develop the next generation of ORS leaders.

Invited Presenter

FASEB 2013 Meeting on Thrombospondins

Invited Moderator

at the ORS 2013 Annual Meeting of the Orthopaedic Research Society, Session 37 - Osteoarthritis Assessment & Therapy, in San Antonio, TX, January 28, 2013

Invited Poster Waling Tour Guide Poster Session II

2013 At the annual Meeting of the Orthopaedic Research Society (ORS), served as an expert to guide ORS attendees around relevant posters to encourage interaction between presenters and attendees and to encourage / develop the next generation of ORS leaders.

2013 Marshall Urist Awards Presentation to Ernst B. Hunziker

Presented 2013 Marshall Urist Award to Ernst Hunziker on behalf of the Orthopaedic Research Society at the 2013 ORS Annual Meeting ceremony dinner.

2013 William Harris Awards Presentation to Daniel Varin

Presented 2013 William Harris Award to Daniel Varin on behalf of the Orthopaedic Research Society at the 2013 ORS Annual Meeting ceremony dinner.

2013 ORS/OREF Travel Awards in Orthopaedic Research Translation Awards Presentation

Presented the 2013 ORS/OREF Travel Awards in Orthopaedic Research Translation Awards Presentation to Michael B. Cross and Tomoko Kanazawa on behalf of the Orthopaedic Research Society at the 2013 ORS Annual Meeting ceremony dinner.

2013 ORS Collaborative Exchange Awards Presentation

Presented the 2013 ORS Collaborative Exchange Award to Adetola B. Adesida and Virginia B. Krauss (absent) on behalf of the Orthopaedic Research Society at the 2013 ORS Annual Meeting ceremony dinner.

2013 ORS/OREF Distinguished Investigator Award Presentation

Presented the 2013 ORS/OREF Distinguished Investigator Award to Jorge Galante on behalf of the Orthopaedic Research Society at the 2013 ORS Annual Meeting ceremony dinner.

Invited Moderator at the 60th annual Meeting of the Orthopaedic Research Society, Spotlight Session 11 - "Cartilage Development and Homeostasis", 4:45pm to 5:45pm Celestin Hall D&E in New Orleans LA, Saturday March 15th, 2014

Invited Moderator at the 61th annual Meeting of the Orthopaedic Research Society, Session 23 - "Post-Traumatic Osteoarthritis: Studies in Preclinical Models", 3:45pm to 4:45pm, Las Vegas NV

Major Society Memberships

2006 - Present Active Member, Orthopaedic Research Society (ORS)
2006 - Present Active Member, OsteoArthritis Research Society International (OARSI)
2007 - Present Active Member, International Cartilage Repair Society (ICRS)
2007 - 2008 Active Member, San Diego Cytoskeletal Society
2001 - 2001 Associate Member, American Association for Cancer Research

UC Davis Biomedical Engineering Graduate Group

- 2011 February Graduate Student Recruitment Interviews on Weekend

2013 Graduate Student Recruitment Musculoskeletal Biology Track
 Evaluation of 40 candidate applications.
 Phone interviews and outreach for 11 candidates, serve as point of contact for potential M.S. and Ph.D. students.

UC Davis BMCDB Graduate Group

- 2011 February Graduate Student Recruitment Dinner
- 2012 Buckhorn Student Recruitment Dinner Event on Thursday, March 1st at the AGR Room at the Buehler Alumni Center

2013 Graduate Student Recruitment for BMCDB
 Critical Evaluation of 40+ candidate applications for M.S. and Ph.D. programs.

UCDMC Department of Orthopaedic Surgery

- 2011 May - Presentation of Research Activities to past and potential donors (Trainer)

Designated Emphasis in Biotechnology Program

2013 July - Joined Designated Emphasis in Biotechnology Program as a DEB Faculty Trainer

Teaching

Trainees

2008-2010	Eunmee Hong, Ph.D., Post-doctoral Scholar, Post-doctoral Scholar
2009-11	Kaylene Snow, BS, Summer Intern, Junior Specialist
2009-2010	Derek Amanatullah, M.D./Ph.D., Orthopaedic Surgery Fellow Research Project, Orthopaedic Surgery Fellow
2010-current	Jeffrey Lu, M.S., Doctoral Candidate in Biomedical Engineering, Student
2011-current	Chitragada Acharya, Ph.D., Post-doctoral Scholar, Industry Position
2011-13	Kazunari Ishida, M.D., Post-doctoral Fellow, Visiting Orthopaedic Surgeon
2011	Victoria Van Dinh, Summer Intern, UC Davis Undergraduate Student
2011	Adit Kothari, Summer Intern, Enrolled at UC Berkeley
2011-14	Ashlene Kishore, Student, Intern/Volunteer, UC Davis Undergraduate Student
2012-13	Lawrence Lin, Student, Intern/Volunteer, UC Davis Undergraduate Student
2012-13	Edward Yeh, BS in Chemical Engin, Intern/Volunteer, Applying to 4 UC graduate schools
2012	Vu Bach, B.S., Undergraduate Internship, Full Time Student at UCLA
2012-13	Elizabeth Tenborg, BS, Undergraduate Intern 2012, Graduate Intern 2013, Accepted into UC Davis School of Veterinary Medicine
2012-16	Yasaman Arabi, Student, Undergraduate Intern, UC Davis Undergraduate Class of 2016
2012-14	Joanna Turkiewicz, Bachelors, Undergraduate Intern, UC Davis Undergraduate Class of 2014
2013-14	Nina Liu, Bachelors, Undergraduate Intern, UC Davis Undergraduate Class of 2014
2013-14	Kie Shidara, Bachelors, Undergraduate Intern, UC Davis Undergraduate Class of 2014
2014	Tiffany Lin, Bachelors, Undergraduate Intern, UC Davis Undergraduate Class of 2014
2014	Jean Lin, Bachelors, Undergraduate Intern, UC Davis Undergraduate Class of 2014
2014	Maneesh Vij, Bachelors, Summer Undergraduate Intern, Yale University Undergraduate Class of 2015
2014-15	Michael Robbins, M.D., 4th Year Medical School Student, T-32 Research Yr, Applying to Residency Program in Orthopaedic Surgery
2014-15	Adam Wegner, M.D./Ph.D., Orthopaedic Surgery Fellow Research Project, Orthopaedic Surgery Resident
2104	Federico Ferro, Ph.D., Post-doctoral Fellow, Returned to Italy for extended family emergency situation
2013-15	Tomoaki Fukui, M.D. / Ph.D., Post-doctoral Fellow, Faculty at Kobe University Department of Orthopaedic Surgery
2012-13	Ethan (Zi'ang) Hu, M.D. / Ph.D., Post-Doctoral Fellow, Faculty in Orthopaedic Surgery, Sir Run Run Shaw Hospital, Zhejiang University, China
2015-16	Nestor Campos, Student, Undergraduate Intern, UC Davis, Student UC Davis Class of 2016

2014-Present	Andrew Haddad, Student, Undergraduate Intern, UC Davis, Student UC Davis Class of 2016
2014-15	Akash Shaw, Student, Undergraduate Intern, UC Davis, Student
2012-17	Michael Fong, Ph.D. Candidate, Biomedical Engineering PhD Candidate, Student
2014	Alireza Tafazzol, Ph.D. Student, Biomedical Engineering Ph.D. Student, Student
2015	Rebecca Godin, Student, UC Davis Undergraduate, Student
2015-16	Nasser Heyrani, M.D., Research Resident, Orthopaedic Surgery, Research Resident, Orthopaedic Surgery