

KALI R. TILESTON, M.D.

Clinic Address: Orthopaedic Surgery
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EDUCATION AND LICENSURE

2014 – current

Stanford University

- Pediatric Orthopaedic Fellow, Department of Orthopaedic Surgery
- ABOS Step I Board Certified July 2014
- California Medical License A113697

2010 – 2014

Stanford University

- Resident, Department of Orthopaedic Surgery

2009 – 2010

University of California, San Diego

- Intern, Department of Orthopaedic Surgery

2005 - 2009

University of Southern California Keck School of Medicine

- Doctor of Medicine; *Alpha Omega Alpha, Deans List*

2001 – 2004

University of California, Berkeley

- Bachelor of Arts, Molecular and Cell Biology, *with honors*

RESEARCH

2010 – 2014

Research Assistant, Ladd Kinematics Laboratory, Stanford University, Palo Alto, CA

- Evaluate correlation between upper extremity kinematics and CMC osteoarthritis

2010 – 2012

Research Assistant, Department of Orthopaedic Surgery, Stanford University, Palo Alto, CA

- Evaluate impact of neuronal stem cell transplantation in spinal cord injury in rat models

2008 – current

Research Assistant, UC Davis Center for Healthy Aging, Sacramento, CA

- Examine associations between proximal femur shape and resulting hip osteoarthritis and fracture risk

2006 - 2007

Research Assistant, USC Department of Surgery, Los Angeles, CA

- Produce multimedia learning tools using cognitive task analyses of complex surgical procedures
- Conduct and publish surgical education research demonstrating teaching capability of these tools

2003 - 2005

Laboratory Manager, Lawrence Berkeley Laboratories, Berkeley, CA

- Develop protocol to image gene expression in cells via antisense oligonucleotides
- Assist in developing a visual servoing optical microscopy system for biophysical studies of living cells in vitro

2002 - 2003

Clinical Research Assistant, University of California, San Francisco, CA

- Recruit and screen patients for the NIH Glucosamine/Chondroitin Arthritis Intervention Trial
- Conduct patient visits and assess the physical and social impact of their osteoarthritis

PUBLICATIONS & PRESENTATIONS

- 2014 Tileston KR and Bishop J. The Inadequacy of Pediatric Fracture Care Information in Emergency Medicine and Pediatric Literature and Online Resources. *JPO* [accepted for publication].
- 2014 Wise BL, Kritikos L, Lynch JA, Liu F, Parimi N, Tileston KL, Nevitt MC, Lane NE. Proximal femur shape differs between subjects with lateral and medial knee osteoarthritis and controls: the osteoarthritis initiative. *Osteoarthritis and Cartilage* [accepted for publication].
- 2014 Liu F, Tileston KL, Kritikos L, Wise BL, Lynch JA, Lane NE, Nevitt MC. Automated landmark placement compared to manual for radiographic femoral hip active shape modeling. In: International Workshop on Osteoarthritis Imaging. Iceland. July 2014. [poster presentation]
- 2014 Luker KR, Aguinaldo A, Kenney D, Cahill-Rowley K, Ladd AL. Functional task kinematics of the thumb carpometacarpal joint. *Clin Orthop Relat Res.* 2014 Apr; 472(4): 1123-9.
- 2013 Luker KR and Bishop J. Assessment of pediatric fracture care information in emergency medicine and pediatric textbook and online resources. In: Western Orthopaedic Association 77th Annual Meeting. Lake Tahoe, CA. Aug 2013. [podium presentation]
- 2013 Luker KR, Wise B, Lynch J, Liu F, Parimi N, Nevitt M, Lane NE. The association of proximal femur shape with lateral compartment knee osteoarthritis: the osteoarthritis initiative. In: Western Orthopaedic Association 77th Annual Meeting. Lake Tahoe, CA. Aug 2013. [poster presentation]
- 2012 Luker KR, Aguinaldo A, Kenney D, Cahill-Thompson K, VanNortwick S, Ladd AL. Kinematics of functional tasks of the thumb carpometacarpal joint and upper extremity: a feasibility study [poster]. In: 67th American Society for Surgery of the Hand Annual Meeting; September 2012; Chicago, IL.
- 2011 Baker-LePain JC, Luker KR, Lynch JA, Parimi N, Nevitt MC, Lane NE. Active shape modeling of the hip in the prediction of incident hip fracture. *J Bone Miner Res.* 2011 Mar; 26(3): 468-74.
- 2010 Luker KR, Lynch JA, Parimi N, Chaganti RK, Nevitt MC, Corr M, Lane NE. The association of FRZB variants with hip shape and RHOA: preliminary results [poster]. In: 56th Annual Meeting of the Orthopaedic Research Society; March 2010; New Orleans, LA.
- 2009 Luker KR, Lynch JA, Parimi N, Chaganti RK, Nevitt MC, Corr M, Lane NE. Active shape modeling of the hip and incident osteoporotic hip fractures [abstract]. *Arthritis & Rheumatism.* Oct 2009; 60 Suppl 10: 594.
- 2008 Luker KR, Sullivan ME, Peyre SE, Sherman R, Grunwald T. The use of a cognitive task analysis based multimedia program to teach surgical decision making in flexor tendon repair. *American Journal of Surgery.* Jan 2008; 195: 11-15.
- 2007 Luker, KR. Lecture. The use of a cognitive task analysis based multimedia program to teach surgical decision making in flexor tendon repair. In: Medical Student Research Forum; May 2007; University of Southern California, Keck School of Medicine; Los Angeles, CA.
- 2007 Luker KR, Sullivan ME, Peyre SE, Sherman R, Grunwald T. The use of a cognitive task analysis based multimedia program to teach surgical decision making in flexor tendon repair [abstract]. In: Association for Surgical Education Surgical Education Week; April 2007; Washington, DC.
- 2005 Callahan DE, Luker KR, Gifford AN, and Glass JD. Visual-Servoing Optical Microscopy Allows Automated Optimization and Verification of Oligonucleotide Delivery into Adherent Mammary Epithelial Cells during Live Cell Assays [poster]. In: Advances in Breast Cancer Research: Genetics, Biology, and Clinical Applications; 2005 Sept 21-25; La Jolla CA. A2347.
- 2004 Callahan DE, Luker KR, Lovejoy A, Gifford A. Visual-Servoing Optical Microscopy: Instrumentation and Protocols for Imaging Uterocalin mRNA in Living Cells. *Molecular Imaging.* 2004; 3: 215a.

AWARDS

Dean's List for Junior/Senior Continuum, Keck SOM, Los Angeles, CA; 2009
Keck Fourth Year Scholarship, Keck SOM, Los Angeles, CA; 2009
Medical Student Global Health Fellowship, Keck SOM, Los Angeles, CA; 2008
Alpha Omega Alpha, Keck SOM, Los Angeles, CA; 2008
Tappan Scholarship, Keck SOM, Los Angeles, CA; 2008
USC Associates Scholarship, Keck SOM, Los Angeles, CA; 2008
Medical Student Research Forum Presentation Award, Keck SOM, Los Angeles, CA; 2007
Baxter Research Fellowship, Keck SOM, Los Angeles, CA; 2006

EXTRACURRICULAR ACTIVITIES

2013

First Surgical Assist, Operation Rainbow Mission, Guatemala City, Guatemala

- Assist during patient screening, surgical planning, intraoperative procedures and postoperative care

2011 to current

Resident Board, OrthoMind

- Compile recent data on topics relevant to today's practicing orthopaedic surgeons such as the utility of electronic medical records and in-office procedures
- Contribute to OrthoMind forums and discussions

2006 – 2007; 2008-2009

Social Liaison, Class of 2009 Board, Keck SOM

- Coordinate graduation activities
- Plan social events for medical students, including a winter formal which raised over \$7500 for graduation

2007

Patient Imaging Technician, Operation Smile Mission, Santa Cruz, Boliva

- Assist in screening patients for surgery during the 2 week mission

2006 – 2007

Neurology Tutor, Medical Scholars Program, Keck SOM

- Tutor first year medical students

2005 – 2007

Co-President (2006-2007), Plastic Surgery Student Interest Group, Keck SOM

- Organize fundraisers which benefit Operation Smile
- Created plastic surgery mentorship program at University Hospital in Los Angeles

2005 - 2009

Member, Surgery Student Interest Group, Keck SOM

- Attend surgical skill and technique workshops

2005 – 2006

Mentor, Bravo High School Mentorship Program, Keck SOM

- Monthly advising and mentorship session with 2 local high school students

OTHER

Language: conversational Spanish