

## CURRICULUM VITAE

### AMANDA N. GOLDIN

**ADDRESS:**

Department of Orthopaedic Surgery  
University of California, Irvine  
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**PROFESSIONAL:**

Assistant Clinical Professor, Department of Orthopaedic Surgery, University of California, Irvine, October 2021 – present

**EDUCATION:**

Fellow in Orthopaedic Oncology, Vanderbilt University Medical Center, August 2021

Resident in Orthopaedic Surgery, University of California San Diego, June 2020

Doctor of Medicine, Saint Louis University School of Medicine, May 2014

Bachelor of Science in Movement Science, University of Michigan, School of Kinesiology, April 2009

**RESEARCH:****Residency/Fellowship:**

Director: Ginger Holt Aug 2020—Present  
Vanderbilt University, Department of Orthopaedic Surgery  
Examining structural allografts and the efficacy and complications associated with different fixation methods

Director: Self July 2017—Present  
UC San Diego, Department of Orthopedic Surgery  
Examining the efficacy and material properties of chemotherapy-laden cement on Ewing sarcoma

Director: Scott Mubarak Jan 2016—June 2020  
Rady Children's Hospital, San Diego, Department of Orthopedic Surgery  
Examining the etiology and treatment of non-ossifying fibromas in children.

Director: Donald Durden                      July 2015—July 2016  
UC San Diego, Department of Pediatrics  
1-year research fellowship designed to determine the  
effects of a novel drug on Ewing sarcoma.

Director: David Schkade                      Aug 2014—Aug 2015  
Assessing survival curves of post operative sarcoma  
patients and patient perceptions of recurrence risk.

**Medical School:**

Director: Dirk Alander, M.D.                      Oct 2010—May 2014  
Saint Louis University, Department of Orthopaedic  
Surgery  
Formulated study idea, obtained IRB approval, collected  
data, drafted manuscript.

**Undergraduate:**

Laboratory of Katarina Borer, Ph.D. Jan 2008—April 2009  
Assisted with a study on bone growth after exercise in  
postmenopausal women, and a study on blood glucose  
levels of postmenopausal women in regard to timing of diet  
and exercise. Conducted treadmill tests on subjects,  
scheduled subjects, and assisted with data analysis.

**CERTIFICATION:**

Part I Board Certification Examination of the American  
Board of Orthopaedic Surgery, passed July 2020  
USMLE: Step 1, June 2012; Step 2, October 2013; Step 3,  
August 2014  
American Heart Association BLS Training, June 2020

**LICENSURE:**

California Medical License	Aug 2015-Present
California Fluoroscopy License	Feb 2019-Present

**PROFESSIONAL ORGANIZATIONS:**

Society of Surgical Oncology, Member	2018-Present
Musculoskeletal Tumor Society, Member	2015-Present
Ruth Jackson Orthopaedic Society, Member	2011-Present
American Medical Association, Member	2010-Present

**GRANTS, HONORS, AND AWARDS:**

Ruth Jackson Orthopaedic Society 2018 Jacquelin Perry, MD, Dec 2017  
Resident Research Grant  
Principle investigator, “The Effectiveness and Mechanical Properties of Chemotherapy-Impregnated Cement on Ewing Sarcoma”

Navy Medical Center/UC San Diego Resident Research Day Sept 2017  
“The Effectiveness and Mechanical Properties of Chemotherapy-Impregnated Cement in Ewing Sarcoma”  
1<sup>st</sup> Place, Basic Science

OREF Southwest Regional Resident Research Symposium Sept 2016  
“Ewing Sarcoma: A New Treatment with a Dual PI3K/BET Bromodomain Inhibitor”  
1<sup>st</sup> Place, Basic Science

Orthopedic Research Education Foundation Resident Grant Feb 2016  
Principle Investigator, “Ewing Sarcoma – A New Treatment with a Dual PI3K/BET Bromodomain Inhibitor”

Rodney M. Coe Award, M.D. with Distinction in Community Service 2014  
Recognition for community service reserved for 15% of the Saint Louis University School of Medicine student body.

Alpha Omega Alpha Honor Medical Society Elected Sept 2013  
Saint Louis University School of Medicine Chapter

## PUBLICATIONS:

### Peer Reviewed Articles: Published/Accepted:

1. Krout JC, Rees AB, **Goldin AN**, Lawrenz JM, Halpern JL, Schwartz HS, Holt GE. Chronic Recurrent Multifocal Osteomyelitis: A Review of the Non-Infectious Inflammatory Bone Disease Better Termed Multifocal Inflammatory Osteitis. *Accepted to Orthopedics*.
2. **Goldin AN**, Singh A, Joshi S, Jamieson C, Durden DL. Augmented Antitumor Activity for a Novel Dual PI3K/BDR4 Inhibitory, SF2523 and SF1126 in Ewing Sarcoma. *Journal of Pediatric Hematology and Oncology*. 2021 Apr 1;43(3)e304-e311; doi: 10.1097/MPH.0000000000002054. PMID: 33480647.
3. **Goldin AN**, Muzykewicz DA, Mubarak SJ. Non-Ossifying Fibromas: A Computed Tomography Based Classification to Predict Fracture Risk. *Journal of*

- Pediatric Orthopaedics*. 2020 Feb;40(2):e149-154. Doi: 10.1097/bpo.0000000000001408. PMID: 31181027.
4. Goldhaber NH, **Goldin AN**, Pennock AT, Livingston K, Bae DS, Yen YM, Shore BJ, Kramer DE, Jagodzinski JE, Heyworth BE. Orthopedic Injuries Associated with Hoverboard Use in Children: A Multi-center Analysis. *Hospital for Special Surgery Journal*. Dec;16(Suppl 2):221-225. doi: 10.1007/s11420-019-09682-2. Epub 2019 May 21. PMID: 33380950.
  5. Misaghi A, **Goldin AN**, Awad M, Kulidjian AA. Osteosarcoma: A Comprehensive Review. *International Society of Orthopaedic Surgery and Traumatology Journal (SICOT-J)*. 2018 Apr 9;4:12:e1-8. doi: 10.1051/sicotj/2017028. PMID: 29629690.
  6. **Goldin AN**, Mittal A, Kulidjian AA. Development of Bone Metastasis Secondary to Appendiceal Adenocarcinoma with Signet Ring Cells. *American Surgeon*. 2018 Mar 1;84(3):e97-99. PMID: 29559034
  7. **Goldin AN**, Muzykewicz DA, Dwek J, Mubarak SJ. The Aetiology of the Non-Ossifying Fibroma of the Distal Femur and its Relationship to the Surrounding Soft Tissues. *Journal of Children's Orthopedics*. 2017 Oct 1;11(5):373-379. doi: 10.1302/1863-2548.11.170068. PMID: 29081852.
  8. Dobke M, Mackert GA, **Goldin AN**, Kulidjian AA. Working with Orthopedic Oncologists: When to Offer Immediate and when and why to Delay Definitive Reconstruction of an Extremity. *Journal of Clinical and Experimental Orthopaedics*. 2017 Sept 8;3(37):1-8. doi: 10.4172/2471-8416.100037.
  9. Muzykewicz DA, **Goldin AN**, Lopreiato N, Fields K, Munch J, Dwek J, Mubarak SJ. Nonossifying Fibromas of the Distal Tibia: Potentially Etiologic Relationship to the Interosseous Membrane. *Journal of Children's Orthopedics*. 2016 Aug;10(4):353-8. doi: 10.1007/s11832-016-0745-5. PMID: 27259988.
  10. **Goldin AN**, Alander DH. Effect of Body Mass Index on Early Outcomes of Minimally Invasive Degenerative Lumbar Surgery. *Journal of Surgical Orthopaedic Advances*. 2015 Spring;24(1):12-7. PMID: 25830257
- Submitted:**
11. **Goldin AN**, Cutuk A, Tontz W, Gardiner A, Smith J, Dalstrom D, Botte M, Meyer RS. Intramedullary Nailing of the Distal Fibula: An Anatomic Study for Nail Insertion. *Submitted to the Journal of Orthopedic Trauma*.

12. Sarrel K, **Goldin AN**, Cidambi K. Drug reaction with eosinophilia and systemic symptoms (DRESS) syndrome after total hip arthroplasty infection, placement of antibiotic spacer and antibiotic beads, and intravenous vancomycin therapy: a case report. *Submitted to the Indian Journal of Orthopaedics*.
13. **Goldin AN**, Dwight K, Hentzen E, Leek B, Ward S, Abrams R. A Simple and Versatile Test for Elbow Posterolateral Rotatory Instability. *Submitted to the Journal of Hand Surgery*.

#### **In Preparation:**

14. **Goldin AN**, Healey R, Durden DL. The Effectiveness and Mechanical Properties of Chemotherapy-Impregnated Cement in Ewing Sarcoma.
15. **Goldin AN**, Volkmar A, Kowalski BL, Johnson SR, Lawrenz JM, Halpern JL, Schwartz HS, Holt GE. Osteoarticular and Intercalary Allografts: Plate versus Nail Fixation.
16. **Goldin AN**, Chauhan A, Meunier M, Baratz M, Sotereanos D, Hentzen E, Abrams R. Non-Arthroplasty and Arthroplasty Treatment Options and their Outcomes for Elbow Arthritis: A Critical Analysis Review.

#### **Book Chapters:**

17. Lawrenz JM, **Goldin AN**. Chapter 27, Metastatic Bone Disease in Section 4, Metastatic Bone Tumors. Edited by Mesko N and Tyler W. *In process for the AAOS Resident Curriculum, Oncology Section*.

#### **PRESENTATIONS:**

##### **Podium:**

1. **Goldin AN**, Volkmar A, Kowalski BL, Johnson SR, Lawrenz JM, Halpern JL, Schwartz HS, Holt GE. Osteoarticular and Intercalary Allografts: Plate versus Nail Fixation. Musculoskeletal Tumor Society Annual Meeting, Baltimore MD, Oct 2021.
2. **Goldin A**, Alcaraz M, Muldong M, Cory E, Masuda K, Jamieson C, Durden D. Anti-Tumor Activity for Novel PI3K/BET Inhibitors, SF1126 and SF2523, in Ewing Sarcoma. Society of Surgical Oncology Annual Meeting, Chicago IL, March 2018.

3. **Goldin A.** The Effectiveness and Mechanical Properties of Chemotherapy-Impregnated Cement in Ewing Sarcoma. Annual Navy Medical Center San Diego/UC San Diego Resident Research Symposium, San Diego CA, Sept 2017.
4. **Goldin A, A, Alcaraz M, Muldong M, Cory E, Masuda K, Jamieson C, Durden D.** Ewing Sarcoma: A New Treatment with a Dual Phosphoinositide 3-Kinase/Bromodomain and Extraterminal Domain Inhibitor. OREF Southwest Regional Resident Research Symposium, San Diego CA, Sept 2016
5. Dobke M, Mackert G, **Goldin A**, Kulidjian A. Working with Orthopedic Oncologists: When to Offer Immediate and when and why to Delay Definitive Reconstruction of an Extremity. California Society of Plastic Surgeons Annual Meeting, Santa Monica CA, May 2016.
6. **Goldin A**, Schkade D, August T, Kulidjian A. Assessing post surgical cancer risk using time dependent survival curves. Society of Surgical Oncology Annual Meeting, Houston TX, March 2015.
7. **Goldin A**, Alander D. Effect of Body Mass Index on Early Outcomes of Degenerative Lumbar Surgery. American College of Surgeons Annual Clinical Congress, Chicago, IL. Oct 2012.

**Poster:**

1. **Goldin A.** The Effectiveness and Mechanical Properties of Chemotherapy-Impregnated Cement in Ewing Sarcoma. Musculoskeletal Tumor Society Annual Meeting. New York NY, Oct 2018.
2. **Goldin A**, Kulidjian A, Mackert G, Dobke M. Managing Extremity Sarcomas: When and Why to Delay Definitive Reconstruction. Society of Surgical Oncology Annual Meeting. Chicago IL, March 2018.
3. **Goldin A.** The Effectiveness and Mechanical Properties of Chemotherapy-Impregnated Cement on Ewing Sarcoma. RIOS Member Business Meeting. New Orleans LA, March 2018.
4. **Goldin A**, Muzykewicz D, Dwek J, Mubarak S. Non-Ossifying Fibromas: A CT Based Classification to Predict Fracture Risk. American Academy of Orthopaedic Surgeons Annual Meeting. New Orleans LA, March 2018.
5. **Goldin A**, Kulidjian A, Mackert G, Dobke M. Offering Immediate Reconstruction for Oncological Extremity Defects: When and Why to Delay Definitive Reconstruction of an Extremity. Musculoskeletal Tumor Society Annual Meeting, Denver CO, Sept 2017.

6. **Goldin A**, Muzykewicz D, Dwek J, Mubarak S. Non-Ossifying Fibromas: A CT Based Classification to Predict Fracture Risk. Musculoskeletal Tumor Society Annual Meeting, Denver CO, Sept 2017.
7. **Goldin A**, Pennock A. Orthopedic Hoverboard Injuries. EPOS/POSNA, Barcelona Spain, May 2017.
8. **Goldin A**, Singh A, Alcaraz M, Muldong M, Cory E, Masuda K, Jamieson C, Durden D. Ewing Sarcoma: A New Treatment with a Dual Phosphoinositide 3-Kinase/Bromodomain and Extraterminal Domain Inhibitor. Musculoskeletal Tumor Society Annual Meeting, Detroit MI, Oct 2016.
9. **Goldin A**, Muzykewicz D, Dwek J, Mubarak S. The Etiology of the Non-Ossifying Fibroma of the Distal Femur and its Relationship to the Gastrocnemius and the Adductor Magnus. Musculoskeletal Tumor Society Annual Meeting, Detroit MI, Oct 2016.
10. Mittal A, **Goldin A**, Kulidjian A. Rare Development of Bone Metastasis Secondary to Appendiceal Adenocarcinoma with Signet Ring Cells: Case Report and Review of the Literature. Musculoskeletal Tumor Society Annual Meeting, Detroit MI, Oct 2016.
11. **Goldin A**, Schkade D, August T, Kulidjian A. Assessing post surgical cancer risk using time dependent survival curves. Musculoskeletal Tumor Society Annual Meeting, Orlando FL, Oct 2015.
12. **Goldin A**, Alander D. Effect of Body Mass Index on Early Outcomes of Minimally Invasive Degenerative Lumbar Surgery. Lumbar Spine Research Society Meeting, Chicago IL, April 2013.
13. **Goldin A**, Alander D. Effect of Body Mass Index on Early Outcomes of Minimally Invasive Degenerative Lumbar Surgery. AOA Medical Student Research Forum, St. Louis MO, Jan 2013.

#### **Departmental Speaking Events:**

1. University of California San Diego, Grand Rounds  
San Diego, CA, September 18, 2019  
Limb Salvage vs. Amputation in Orthopedic Oncology: When and Why
2. University of California San Diego, Spine Conference  
San Diego, CA, May 18, 2018  
The Treatment of Metastatic Spinal Disease
3. Orthopedic Surgery Research Conference

San Diego, CA, June 6, 2016  
Ewing Sarcoma—A New Treatment with a Dual PI3K/BET Bromodomain Inhibitor. An Update.

4. Orthopedic Surgery Research Conference  
San Diego, CA, Sept 14, 2015  
Ewing Sarcoma—A New Treatment with a Dual PI3K/BET Bromodomain Inhibitor

#### **COMMITTEES:**

Grand Rounds Committee Member May 2017—June 2020  
UC San Diego Department of Orthopedic Surgery, San Diego, CA

Admissions Committee Member Sept 2011—May 2014  
Saint Louis University School of Medicine, St. Louis, MO

#### **SERVICE TO THE COMMUNITY:**

Annual Student Athlete Orthopaedic Physical Screening Clinic July 2014—June 2020  
University of California San Diego, San Diego, CA

Medical Student Outreach July 2014—June 2020  
University of California San Diego, San Diego, CA  
Every year in residency worked with medical students interested in orthopedics in order to help them prepare for away rotations and the residency application process.

Class of 2014 Community Service Chair Sept 2010—May 2014  
Saint Louis University School of Medicine, St. Louis, MO

Health Resource Center Aug 2011—May 2014  
Saint Louis University School of Medicine, St. Louis, MO  
A student staffed clinic that provides free health care to an underprivileged St. Louis community.

Applied Clinical Skills Group Leader July 2013—May 2014  
Saint Louis University School of Medicine, St. Louis, MO  
Leading small discussion groups throughout the year for third year medical students pertaining to how to succeed in clinical rotations.

Senior Liaison Program Member July 2013—May 2014  
Resource for underclassmen who wish to enter the same medical specialty as the liaison.

Child Abuse Prevention, Group Member and Leader Jan 2011—May 2012



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Saint Louis University School of Medicine, St. Louis, MO  
Presented to elementary school students about child abuse. Led the organization in 2011-2012, and organized presentations for other medical students and recruited new members.

Sun Protection Outreach Teaching by Students, Group Member      Jan 2011—May 2012  
Saint Louis University School of Medicine, St. Louis, MO  
Presented to middle school and high school students about skin cancer and sun protection.

Empowering Youth Today, Group Member      Jan 2011—May 2012  
Saint Louis University School of Medicine, St. Louis, MO  
Presented to elementary and middle school students about nutrition and exercise.

Saint Louis ARC, Volunteer      May 2011—Aug 2012  
St. Louis, MO  
Volunteered at programs for adults and children with cognitive disabilities.

Medical Mission Trip      June 2011  
Saint Louis University School of Medicine, Antigua, Guatemala  
Spent four weeks in clinics in Antigua and surrounding villages. Presented to children and adults about general health issues. Two weeks of daily medical Spanish classes.

Medical Mission Trip      May 2009  
Unite For Sight, Tamale, Ghana  
Spent four weeks conducting visual acuity exams in Tamale and surrounding villages. Assisted Seth Wanye, M.D. with ophthalmologic surgeries. Raised nearly \$2000 and collected 300 pairs of eyeglasses for Tamale Teaching Hospital.

Chi Omega Sorority Philanthropy Chair      Jan 2006—Jan 2007  
University of Michigan, Ann Arbor, MI

## **INTERESTS/HOBBIES:**

Big Ten Sports (Go Blue!)  
Hiking  
Archery  
Spending time outside with family and friends