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| **BIOGRAPHICAL SKETCH**  Provide the following information for the Senior/key personnel and other significant contributors. Follow this format for each person.  **DO NOT EXCEED FOUR PAGES.** | | | | | |
|  | | | | | |
| NAME  Robert J. Steffner, MD | | POSITION TITLE  Assistant Clinical Professor  Division of Musculoskeletal Tumor Surgery  Department of Orthopedic Surgery | | | |
| eRA COMMONS USER NAME (credential, e.g., agency login)  RSTEFFNER | |  | | |
| EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)* | | | | | |
| INSTITUTION AND LOCATION | DEGREE  *(if applicable)* | | MM/YY | FIELD OF STUDY | |
| Saint John’s University, Collegeville, MN | B.A. | | 9/97 – 6/01 | Natural Sciences and English | |
| Wayne State School of Medicine, Detroit, MI | M.D. | | 8/02 – 6/06 | Medicine | |
| University of Chicago, Chicago, IL | Internship and Residency | | 6/06 – 6/11 | Orthopedic Surgery | |
| University of California, Davis, Sacramento, CA | Fellowship | | 7/11 – 6/12 | Orthopedic Trauma | |
| University of Chicago, Chicago,, IL | Fellowship | | 7/12 – 6/13 | Orthopedic Oncology | |

1. **Personal Statement**

I have experience in the multidisciplinary evaluation and management of adult and pediatric patients with soft tissue and bone sarcomas. I have experience with clinical/translational research and the enrollment of patients on various protocols. As a busy clinician involved in the care of patients with advanced sarcomas, I am well aware of the strengths and weaknesses of currently available combined modality treatments for patients with bone and soft tissue sarcomas.

I am interested in working with other physicians involved in the multidisciplinary care of sarcoma patients to help advance treatment protocols. This involves both participating in clinical trials and helping write procedure to facilitate communication between the various disciplines involved in cancer care.

**B. Positions and Honors**

**Positions and Employment**

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| --- | --- |
| 2013 – 2015  2015 – 2016 | Assistant Professor, Department of Orthopedic Surgery, University of California Davis School of Medicine  Assistant Professor, Department of Orthopaedic Surgery, Columbia University College of Physicians & Surgeons |
| 2016 - 2019  2016 – Present | Interim Chairperson, Department of Orthopaedic Surgery, Santa Clara Valley Medical Center  Clinical Assistant Professor, Division of Musculoskeletal Tumor, Department of Orthopaedic Surgery, Stanford University School of Medicine |

**Other Experience and Professional Memberships**

– Present Member, AOA Emerging Leaders Program

– Present Member, AO Trauma Faculty Member

– Present Member, Musculoskeletal Tumor Society

- Present Member, Children’s Oncology Group

- Present Fellow, American Academy of Orthopaedic Surgeons

**Honors**

Alpha Omega Alpha, Wayne State School of Medicine

1. **Selected Peer-Reviewed Publications**
2. 2020 Eppler, SL, Shah R, Mertz K, Gil J, Amanatullah D, Yao J, Chou LB, **Steffner RJ**, Safran MR, Hu S, Kamal R. The Importance of Concordance between Patients and their Subspecialist. Orthopedics. 2020 Sep 1;43(5): 315-319.
3. 2020 Muehe AM, Theruvath AJ, Yerneni K, Thakor A, Pribnow A, Avedian R, **Steffner R**, Rosenberg J, Liang T, Hawk K, Daldrup-Link HE. Ferumoxytol Does Not Impact SUV Values on PET/MR Scans. Mol Imaging Biol. 2020 Jun;22(3):722-729.
4. 2020 Chen EL, Yoo CH, Gutkin PM, Merriott DJ, Avedian RS, **Steffner RJ**, Spunt SL, Pribnow AK, Million L, Donaldson SS, Hiniker SM. Outcomes for Pediatric Patients with Osteosarcoma Treated with Palliative Radiotherapy. Pediatr Blood Cancer. 2020 Jan;67(1):e27967.
5. 2019 Campbell ST, **Steffner RJ**, Finlay A, Mohler DG, Avedian RS. Anti-rotation Pins for the Compress Implant do not Increase Risk of Mechnaical Failure or Impair Osseointegration. Ann Joint. 2019;4:32.
6. 2019 Ma W, Sun L, Ngai L, Costouros JG, **Steffner R**, Boublik J, Tsui BCH. Motor-sparing High-Thoracic Erector Spinae Plane Block for Proximal Humerus Surgery and Total Shoulder Arthroplasty Surgery: Clinical Evidence for Differential Peripheral Nerve Block? Can J Anaesth. 2019 Oc;66(10):1274-1275
7. 2019 Mertz K, Eppler SL, Thomas K, Alokozai A, Yao J, Amanatullah D, Chou L, Wood KB, **Steffner R**, Gardner M, Kamal RN. The Association of Financial Distress with Disability in Orthopaedic Surgery. J Am Acad Orthop Surg. 2019 Jun;27(11):e522-e528.
8. 2019 **Steffner RJ**, Spiguel AR, Balach T. Pathologic Fractures (Ed Bruce Browner). In Skeletal Trauma (Sixth Edition). Philadelphia, PA: Elsevier
9. 2018 Mertz K, Eppler S, Yao J, Amanatullah DF, Chou L, Wood KB, Safran M, **Steffner R**, Gardner MJ, Kamal R. Clin Orthop Relat Res. 2018 Sep;476(9):1859-1865.
10. 2018 Jang E, **Steffner R**. Staging of Bone and Soft Tissue Sarcoma. J Amer Orthop Surg. 2018 Jul;26(13):e269-278.
11. 2018 **Steffner R**, Jang E, Danford N. Lymphoma of Bone. JBJS Rev. 2018 Jan;6(1):e1.
12. 2018 **Steffner RJ**. Open Fractures (Eds Michael Chapman & Michelle James). In Chapman’s Comprehensive Orthopaedics (Fourth Edition). Philadelphia, PA: JP Brothers
13. 2018 **Steffner RJ**., Peabody T. Benign Soft Tissue Tumors (Eds Michael Chapman & Michelle James). In Chapman’s Comprehensive Orthopaedics (Fourth Edition). Philadelphia, PA: JP Brothers
14. 2016 Park JS, Nakache YP, Katz J, Boutin RD, **Steffner RJ**, Monjazeb AM, Canter RJ. Conservative Management of Desmoid Tumors is Safe and Effective. J Surg Res 2016 Sept;205:115-120.
15. 2015 **Steffner RJ**, Wolinsky P. (2015). Open Fractures (Eds Peter Papadakos & Mark Gestring). In Encyclopedia of Trauma Care (First Edition). Heidelberg, Germany: Springer
16. 2014 Balach T, Spiegel A, **Steffner RJ**. (2014). Pathologic Fracture (Eds Bruce Browner). In Skeletal Trauma (Fifth Edition). Philadelpha, PA: Elsevier
17. 2014 **Steffner RJ**. (2014). Benign Tumors of Bone (Eds Samer Attar & Terrance Peabody). In Cancer Treatment and Research. Vol. Orthopedic Oncology - Primary and Metastatic Tumors of the Skeletal System (Series Ed Steven T. Rosen). New York, NY: Springer
18. 2013 **Steffner RJ** and Lee MA. Emerging Concepts in Upper Extremity Trauma: Humeral Shaft Fractures. Ortho Clin Nor Am. 2013 Jan;44(1):21-33.
19. 2012 **Steffner RJ**, Spiguel AR, Ranieri J, Suk M, Yoo B. Sural Island Flap for Distal Third Soft Tissue Defects of the Lower Extremity. J Wound Care. 2012 Oct;21(10):1-5.
20. 2012 Spiguel AR and **Steffner RJ**. Humeral Shaft Fractures. Curr Rev Musculoskelet Med. 2012 Sep;5(3):177-83.
21. 2012 Attar S, **Steffner RJ**, Avedian R, Hussain WH. Surgical Intervention of Nonvertebral Osseous Metastasis. Cancer Control. 2012 Apr 19(2):113-121.
22. 2011 **Steffner RJ**, Liao C, Stacy G, Atanda A, Attar S, Avedian R, Peabody T. Factors Associated with Recurrence in Primary Aneurysmal Bone Cysts: Is Argon Beam Coagulation an Effective Adjuvant Treatment? JBJS-Am. 2011 Nov 92(21):e1221-1229.
23. 2009 **Steffner RJ**, Avedian R, Peabody T. Aneurysmal Bone Cyst. American Academy of Orthopaedic Surgeons. Orthopaedic Knowledge Online (OKO). 2009: http://www5.aaos.org/oko/description.cfm?topic=ONC013. Accessed May 21, 2009.
24. 2004 Wu L, Nicholson W, Knobel SM, **Steffner RJ**, May JM, Piston DW, Powers AC. Oxidative Stress is a Mediator of Glucose Toxicity in Insulin-Secreting Pancreatic Islet Cell Lines. J Biol Chem. 2004 Mar26;279(13):12126-34.
25. 2004 **Steffner RJ**, Wu L, Powers AC, May JM. Ascorbic Acid Recycling by Cultured Beta Cells: Effects of Increased Glucose Metabolism. Free Radic Biol Med. 2004 Nov 15:37(10):1612-21.

**D. Research Support**

**Ongoing Research Support**

SQIMM Cancer Center Grant

Multidisciplinary Sarcoma Group Research Support

Award $50,102, Ref #: 2019.003

SQIMM Cancer Center Grant

Multidisciplinary Sarcoma Group Research Support

Award $35,000, Ref #: 2020.020