

Nathaniel Elliot Schaffer | Curriculum Vitae

777 Bannock St. – Denver, CO 80204

EDUCATION

University of Texas Southwestern Medical Center <i>M.D., Ph.D.</i>	Dallas, TX 2007–2017
Washington University in St. Louis <i>B.A.</i> <i>Magna Cum Laude</i> , chemistry with honors and mathematics	St. Louis, MO 2003–2007

DOCTORAL DISSERTATION

Title: *DAF-12: A novel drug target in parasitic nematodes*
Supervisors: David J. Mangelsdorf, Ph.D. & Steven A. Kliewer, Ph.D.
Defense: 26 June 2014

POSTDOCTORAL TRAINING

Erasmus University Medical Center <i>Henry Hanff AO Fellowship, Trauma Surgery</i>	Rotterdam, Netherlands November 2024
Vanderbilt University Medical Center <i>Fellowship, Orthopaedic Traumatology</i>	Nashville, TN 2022–2023
University of Michigan <i>Residency, Orthopaedic Surgery</i>	Ann Arbor, MI 2017–2022
Hôpital Européen Georges-Pompidou <i>Plastic Surgery</i>	Paris, France Autumn 2015
Hôpital Européen Georges-Pompidou <i>Orthopaedic Surgery</i>	Paris, France Summer 2015

COURSES

American Orthopaedic Association <i>2026 Emerging Leaders Forum: Envision</i>	Albuquerque, NM 12–13 May 2026
Orthopaedic Trauma Association <i>Educate the Educators, Part II</i>	Nashville, TN 23 September 2026
AO Trauma North America <i>Other courses and webinars</i>	Online 2021–present
Orthopaedic Trauma Association <i>Educate the Educators, Part I</i>	Phoenix, AZ 15 October 2025
AO Trauma North America <i>Think Tank for New Practicing Surgeons</i>	Tempe, AZ 1–2 March 2025
AO Trauma North America <i>Faculty Education Program</i>	Philadelphia, PA 24–25 January 2025

AO Trauma North America <i>Think Tank for New Practicing Surgeons</i>	Phoenix, AZ 4 April 2024
AO Trauma North America <i>Fellows Forum</i>	Park City, UT 2–3 June 2023
Orthopaedic Trauma Association <i>OTA Fellows Course</i>	Boston, MA 20–23 April 2023
Stryker <i>Advanced Techniques in Pelvic and Acetabular Fractures</i>	Houston, TX 3–4 February 2023
AO Trauma North America <i>Fellows Course</i>	Las Vegas, NV 19–21 January 2023
AO Trauma Masters Seminar <i>Tips from the Masters</i>	Davos, Switzerland 11–16 December 2022
AO Trauma North America <i>Advanced Principles of Fracture Management</i>	Orlando, FL 6–7 November 2021
AO Trauma North America <i>Basic Principles of Fracture Management</i>	Phoenix, AZ 9–10 October 2021
Foundation for Orthopaedic Trauma <i>Pelvic/Acetabular Dissection Course</i>	Tampa, FL 24–25 September 2021
AO Trauma North America <i>Pelvic and Acetabular Fracture Management Essentials</i>	Online Summer 2020
Orthopaedic Trauma Association <i>Resident Comprehensive Fracture Course</i>	Orlando, FL 17–19 October 2018

EMPLOYMENT

ACADEMIC APPOINTMENTS

University of Colorado School of Medicine <i>Assistant Professor</i>	Denver, CO 2025–present
Elson S. Floyd College of Medicine at Washington State University <i>Assistant Professor</i>	Everett, WA 2024–2025
Vanderbilt University Medical Center <i>Clinical Instructor</i>	Nashville, TN 2022–2023

CLINICAL APPOINTMENTS

Denver Health <i>Chief of Orthopaedic Trauma</i>	Denver, CO 2025–present
Western Washington Medical Group <i>Orthopaedic Traumatologist, Providence Regional Medical Center Everett</i>	Everett, WA 2023–2025

OTHER EMPLOYMENT

Washington University Network Technology Services <i>System Administrator</i>	St. Louis, MO 2005–2007
Washington University Residential Technology Services <i>Residential Computing Consultant</i>	St. Louis, MO 2004–2005

CERTIFICATION

21 July 2025: American Board of Orthopaedic Surgery Examination Part II

14 July 2022: American Board of Orthopaedic Surgery Examination Part I

20 April 2018: United States Medical Licensing Examination Step 3

23 June 2015: United States Medical Licensing Examination Step 2 CK

16 June 2015: United States Medical Licensing Examination Step 2 CS

29 June 2009: United States Medical Licensing Examination Step 1

LICENSURE

2025–present: Colorado Medical Board Medical Doctor License #0075582

2025–present: State of Michigan Medical Doctor License #4301514064

2023–present: State of Washington Medical Doctor License #61443193

2022–2024: State of Tennessee Medical Doctor License #65391

2019–2022: State of Michigan Medical Doctor Educational Limited License #4351041992

2017–2019: State of Michigan Medical Doctor Educational Limited License #4301112013

AWARDS AND HONORS

2023: OTA Fellows Graduation and Research Exhibition, 1st prize, OTA Annual Meeting

2023: Henry Hanff Fellowship, AO Trauma North America

2023: Poster Session, 2nd prize, AO TNA Fellows Forum

2022: Davos Fellows Experience, AO Trauma North America

2022: Global Health Equity Certificate, Michigan Medicine

2022: Emerging Leader, American Orthopaedic Association

2021: Resident Research Forum 2nd prize, St. Joseph Mercy Ann Arbor & Livingston

2021: Resident Research Award, 2nd prize, Michigan Medicine Orthopaedics Residency Thesis Day

2019: OTA Video Tour selection, OTA Annual Meeting

2015: International Medical Exchange Program, University of Texas Southwestern

2015: Alpha Omega Alpha, University of Texas Southwestern

2006: Quantitative and Physical Sciences Summer Undergraduate Research Fellowship, University of Texas Southwestern

2002: Eagle Scout Award, Boy Scouts of America

EDITORIAL AND REVIEWER POSITIONS

August 2026 – March 2027: Research Topic Editor, Frontiers in Surgery

2025–present: Deputy Editor, European Journal of Orthopaedic Surgery & Traumatology

2024–present: Associate Editor, Journal of Orthopaedic Trauma

2023–present: Reviewer, JAAOS

2023–present: Reviewer, JAAOS Global Research & Reviews

2022–present: Reviewer, Clinical Orthopaedics and Related Research

2020–2024: Reviewer, Journal of Orthopaedic Trauma

2021: Consultant Reviewer, Journal of Bone & Joint Surgery

PROFESSIONAL SOCIETIES

LEADERSHIP

2026–present: Podcast Subcommittee Member, Orthopaedic Trauma Association

2025–present: Finance Committee Member, Orthopaedic Trauma Association

2026: ACS Workplace Standards: Scope of Practice and Wellness Subcommittee Secretary, Orthopaedic Trauma Association

2026: ACS Workplace Standards: Compensation and Call Subcommittee Member, Orthopaedic Trauma Association

2026: ACS Workplace Standards: Resources and Support Subcommittee Member, Orthopaedic Trauma Association

2025: Research Impact Subcommittee Member, AO Trauma North America

2024: OneAO Abstracts Committee Member, AO North America

MEMBERSHIP

2022–present: Member, American Orthopaedic Association

2022–present: Member, Orthopaedic Trauma Association

2021–present: Member, AOTrauma AO North America

2017–present: Member, American Academy of Orthopaedic Surgeons

2010–2023: Member, Texas Medical Association

2010–2023: Member, Dallas County Medical Society

TEACHING

INVITED LECTURES AND PANELS

AO Trauma North America	Online
<i>When Pediatric Fractures Become Limb Reconstruction Problems</i>	<i>Journal Club</i>
	29 September 2026
The OTA Podcast	Online
<i>2026 High-Yield Case Discussions for Boards & OITE: Proximal Humerus Fractures</i>	
	8 September 2026
J&J Institute Future Leaders Senior Residents & Fellows Education	Denver, CO
<i>Comprehensive Treatment of the Orthopaedic Trauma Patient</i>	
	20–22 March 2026
AO Trauma North America: Fracture Friday	Online
<i>Compression Plating</i>	
	19 December 2025
The OTA Podcast	Online
<i>Bayesian analysis of the POvIV trial</i>	
	16 December 2025
Pelvis, Acetabulum, and Complex Trauma Case Discussions	Denver, CO
<i>An unstable hip after acetabular fixation</i>	
	4 December 2025
AO Trauma North America	Chicago, IL
<i>Basic Principles of Fracture Management</i>	
	30 October – 1 November 2025
AO NA LINK	Online
<i>Distal Radius and Forearm Injuries</i>	
	9 January 2025
AO Foundation	Amsterdam, Netherlands
<i>Young AO Trauma Seminar: Practice makes better</i>	
	13 November 2024
JAAOS Plus Webinar	Online
<i>Femoral Head Fractures: Evaluation, Management, and Outcomes</i>	
	7 November 2024
Grand Rounds, Providence Regional Medical Center Everett	Everett, WA
<i>Perioperative Management After Orthopaedic Trauma</i>	
	15 May 2024

AO Trauma NA Online Series <i>Journal Club – Infection</i>	Online 19 September 2023
Global Surgery Student Alliance, Vanderbilt Chapter <i>GSSA Global Orthopaedics Panelist</i>	Nashville, TN 5 April 2023
Carl E. Badgley Day Lectureship <i>Responsible Global Surgery: Lessons from the Dominican Republic</i>	Ann Arbor, MI 23 September 2022
Mbarara University School of Medicine <i>Management of Cervical Spine Trauma</i>	Mbarara, Uganda 20 August 2019
INTRAMURAL	
Grand Rounds, Denver Health and Hospital Authority <i>Orthopaedic Urgencies</i>	Denver, CO 3 August 2026
Educational Conference, Providence Regional Medical Center Everett <i>Fracture Reduction in the ED</i>	Everett, WA 13 December 2024
Educational Conference, Providence Regional Medical Center Everett <i>Early Appropriate Care in Orthopaedic Trauma</i>	Everett, WA 11 September 2023
Trauma Fracture Conference, Vanderbilt Orthopaedic Surgery <i>Tibia: Top to Bottom</i>	Nashville, TN 15 March 2023
Trauma Fracture Conference, Vanderbilt Orthopaedic Surgery <i>Fracture Management Tips</i>	Nashville, TN 1 February 2023
Trauma Fracture Conference, Vanderbilt Orthopaedic Surgery <i>Pelvic Ring Injuries</i>	Nashville, TN 23 November 2022
Grand Rounds, Michigan Medicine Orthopaedic Surgery <i>Responsible Global Surgery: Lessons from La Romana</i>	Ann Arbor, MI 23 June 2022
Grand Rounds, Michigan Medicine Orthopaedic Surgery <i>Fixation Failure After Open Treatment of a Greater Tuberosity Fracture</i>	Ann Arbor, MI 19 May 2022
Indications, Michigan Medicine Orthopaedic Surgery <i>Complex Fractures Around the Knee</i>	Ann Arbor, MI 3 March 2022
Indications, Michigan Medicine Orthopaedic Surgery <i>Distal Femur Fractures</i>	Ann Arbor, MI 11 November 2021
Indications, Michigan Medicine Orthopaedic Surgery <i>Scaphoid Fractures</i>	Ann Arbor, MI 28 October 2021
Indications, Michigan Medicine Orthopaedic Surgery <i>Proximal Femur Periprosthetic Fractures</i>	Ann Arbor, MI 29 July 2021
Pediatric Conference, Michigan Medicine Orthopaedic Surgery <i>A Case of Neuromuscular Hip Dislocation</i>	Ann Arbor, MI 25 October 2021
Pediatric Conference, Michigan Medicine Orthopaedic Surgery <i>Management of Recurrent Congenital Talipes Equinovarus</i>	Ann Arbor, MI 11 October 2021
Pediatric Conference, Michigan Medicine Orthopaedic Surgery <i>Management of a Tillaux Fracture</i>	Ann Arbor, MI 4 October 2021
Pediatric Conference, Michigan Medicine Orthopaedic Surgery <i>Femoral and Acetabular Osteotomies for Developmental Dysplasia of the Hip</i>	Ann Arbor, MI 13 September 2021
Indications, Michigan Medicine Orthopaedic Surgery <i>Damage Control Orthopaedics and Early Appropriate Care</i>	Ann Arbor, MI 1 July 2021

Research Forum, St. Joseph Mercy Hospital <i>Short CMNs Decrease Blood Loss</i>	Ann Arbor, MI 25 May 2021
Thesis Day, Michigan Medicine Orthopaedic Surgery <i>Short CMNs Decrease Blood Loss</i>	Ann Arbor, MI 12 May 2021
Pediatric Conference, Michigan Medicine Orthopaedic Surgery <i>Orthopaedic Management of Bladder Exstrophy</i>	Ann Arbor, MI 12 April 2021
Frederick J. Fischer Pediatric Orthopaedic Lectureship <i>Missed Salter-Harris IV Ankle Fracture</i>	Ann Arbor, MI 9 April 2021
Pediatric Conference, Michigan Medicine Orthopaedic Surgery <i>Distraction Osteogenesis for Blount's Disease</i>	Ann Arbor, MI 5 April 2021
Pediatric Conference, Michigan Medicine Orthopaedic Surgery <i>Surgical Management of an Adolescent's Femur Fracture</i>	Ann Arbor, MI 29 March 2021
Pediatric Conference, Michigan Medicine Orthopaedic Surgery <i>Surgical Management of Miserable Malalignment</i>	Ann Arbor, MI 22 March 2021
Grand Rounds, Michigan Medicine Orthopaedic Surgery <i>Peroneal Nerve Palsy After Total Knee Arthroplasty</i>	Ann Arbor, MI 18 March 2021
Pediatric Conference, Michigan Medicine Orthopaedic Surgery <i>One-Stage Management of Hip Dislocation in Cerebral Palsy</i>	Ann Arbor, MI 8 March 2021
Pediatric Conference, Michigan Medicine Orthopaedic Surgery <i>Management of a Salter-Harris II Hallux Proximal Phalanx Fracture</i>	Ann Arbor, MI 1 March 2021
Grand Rounds, Michigan Medicine Orthopaedic Surgery <i>Segmental Bone Defects</i>	Ann Arbor, MI 12 November 2020
St. Joseph Mercy Hospital Orthopaedic Surgery <i>Acute Arterial Thrombus After Total Knee Arthroplasty</i>	Ann Arbor, MI 27 October 2020
St. Joseph Mercy Hospital Orthopaedic Surgery <i>Ulnar Neuropathy After Open Treatment of a Distal Humerus Fracture</i>	Ann Arbor, MI 22 September 2020
St. Joseph Mercy Hospital Orthopaedic Surgery <i>Dressing-Associated Skin Necrosis</i>	Ann Arbor, MI 25 August 2020
St. Joseph Mercy Hospital Orthopaedic Surgery <i>Osteochondral Allograft and High Tibial Osteotomy for Lateral Femoral Condyle Chondromalacia</i>	Ann Arbor, MI 11 August 2020
St. Joseph Mercy Hospital Orthopaedic Surgery <i>Diagnosis and Management of Knee Chondromalacia</i>	Ann Arbor, MI 28 July 2020
Indications, Michigan Medicine Orthopaedic Surgery <i>Spinopelvic Dissociation</i>	Ann Arbor, MI 11 June 2020
Michigan Medicine Orthopaedic Surgery <i>Management of Tibial Plateau Fractures</i>	Ann Arbor, MI 23 April 2020
Indications, Michigan Medicine Orthopaedic Surgery <i>Multiligamentous Knee Injury</i>	Ann Arbor, MI 30 January 2020
St. Joseph Mercy Hospital Orthopaedic Surgery <i>Management of a Distal Biceps Rupture</i>	Ann Arbor, MI 10 December 2019
St. Joseph Mercy Hospital Orthopaedic Surgery <i>Infection and Instability After Hip Hemiarthroplasty</i>	Ann Arbor, MI 26 November 2019
Indications, Michigan Medicine Orthopaedic Surgery <i>Polytrauma</i>	Ann Arbor, MI 3 October 2019

St. Joseph Mercy Hospital Orthopaedic Surgery <i>Infection and Subscapularis Failure After Total Shoulder Arthroplasty</i>	Ann Arbor, MI 24 September 2019
St. Joseph Mercy Hospital Orthopaedic Surgery <i>Management of a Cervical Disc Herniation</i>	Ann Arbor, MI 10 September 2019
Grand Rounds, Michigan Medicine Orthopaedic Surgery <i>The Uganda Spine Surgery Mission 2019</i>	Ann Arbor, MI 29 August 2019
St. Joseph Mercy Hospital Orthopaedic Surgery <i>Pulmonary Embolus after Total Hip Arthroplasty</i>	Ann Arbor, MI 27 August 2019
St. Joseph Mercy Hospital Orthopaedic Surgery <i>Management of a Distal Radius Fracture</i>	Ann Arbor, MI 25 June 2019
Grand Rounds, Michigan Medicine Orthopaedic Surgery <i>Osteoblastoma of the Spine</i>	Ann Arbor, MI 30 May 2019
Michigan Medicine Orthopaedic Surgery <i>True Blood Loss for IM Nails</i>	Ann Arbor, MI 09 April 2019
St. Joseph Mercy Hospital Orthopaedic Surgery <i>Loss of Fixation after DHS</i>	Ann Arbor, MI 26 February 2019
Michigan Medicine Orthopaedic Surgery <i>True Blood Loss for IM Nails</i>	Ann Arbor, MI 23 January 2019
Michigan Medicine Orthopaedic Surgery <i>Management of Myelopathy and Cervical Spine Trauma</i>	Ann Arbor, MI 18 January 2019
Michigan Medicine Orthopaedic Surgery <i>Lisfranc: Fix or Fuse</i>	Ann Arbor, MI 18 July 2018
SICU Conference, St. Joseph Mercy Hospital General Surgery <i>Intracerebral Hemorrhage</i>	Ann Arbor, MI 31 May 2018

UNIVERSITY/HOSPITAL SERVICE

LEADERSHIP

2025–present: Chief of Trauma, Denver Health Department of Orthopedic Surgery
2021–2022: Clinical Practice Chief, Michigan Medicine Orthopaedic Surgery Residency

COMMITTEES

2025–present: Trauma Council, Denver Health
2025–present: Pediatric Trauma Council, Denver Health
2023–2025: Trauma Tertiary Review Committee, Providence Regional Medical Center Everett
2023–2025: Trauma System Committee, Providence Regional Medical Center Everett
2021–2022: Program Evaluation Committee, Michigan Medicine Orthopaedic Surgery
2021–2022: Applicant Selection Committee, Michigan Medicine Orthopaedic Surgery
2020: Patient Care Committee, Michigan Medicine Orthopaedic Surgery
2020: Case Volume Work Group, Michigan Medicine Orthopaedic Surgery

HOSTING VISITING PROFESSORS

3 March 2022: Dr. William Obremsky at Michigan Medicine Orthopaedic Surgery, Ann Arbor, MI
30 Jan 2020: Dr. Paul Martineau at Michigan Medicine Orthopaedic Surgery, Ann Arbor, MI
3 Oct 2019: Dr. Joel Williams at Michigan Medicine Orthopaedic Surgery, Ann Arbor, MI

7 March 2019: Dr. Thomas Mroz at Michigan Medicine Orthopaedic Surgery, Ann Arbor, MI

COMMUNITY SERVICE AND VOLUNTEERING

Hospital Buen Samaritano

H4 Medical Relief

La Romana, Dominican Republic

April 2022

Mbarara Regional Referral Hospital

Uganda Charitable Spine Surgery Mission

Mbarara, Uganda

August 2019

Mbarara Regional Referral Hospital

Orthopaedic Surgery

Mbarara, Uganda

Spring 2016

CHU Tokoin

Orthopaedic Surgery

Lomé, Togo

January 2016

TEAM PHYSICIAN COVERAGE

2022: University of Michigan Men's Hockey

2022: University of Michigan Men's Basketball

2022: NCAA Women's Basketball Tournament

2021: Belleville High School Football

2020: University of Michigan Men's Hockey

2019: Whitmore Lake High School Football

2018: Whitmore Lake High School Football

2018: Brighton High School Football

GRANTS

2019–2020: PI: Hake, ME. Saint Joseph Mercy Health System Research Committee, \$5,875.

2019–2020: PI: Hake, ME. Saint Joseph Mercy Health System Research Committee, \$3,500.

2019–2020: PI: Hake, ME. Saint Joseph Mercy Health System Research Committee, \$1,875.

PUBLICATIONS

1. Godinho M, Serra M, Solano AJ, Nardi M, Krieg BA, Tucker NJ, Hellwinkel JE, Schlauch A, Schaffer NE, and Mauffrey C. Avoiding Pitfalls in Percutaneous Acetabular Column Screw Placement Using Combined Fluoroscopic Check-Point Views: A Technical Note and Case Series. *Eur J Orthop Surg Traumatol* 2026;36:353.
2. Luther L, Kumar D, Schaffer NE, Litten RM, Traven SA, Moore RS, Moreno-Diaz AF, Velasco-Castro J, Maxson R, Sumpter AE, Agarwal A, Boyce RH, Collinge CA, Evans JM, Jahangir AA, Johnson JP, Mir HR, Perdue AM, Quade JH, Sethi MK, Spitler CA, Stinner DJ, tatman LM, and Mitchell PM. Incidence and Risk Factors for Severe Heterotopic Ossification Following Posterior Acetabular Fracture Fixation Without Prophylaxis: A Multicenter Study of 1,296 Patients. *J Orthop Trauma* 2026. In Review.
3. Schaffer NE, Whiting PS, Carlini AR, Gary JL, Weaver MJ, Carroll EA, Kleweno CP, Teague D, Bosse MJ, Castillo RC, O'Toole RV, Ahn J, and (METRC) METRC. Justifying large samples for randomized studies: secondary analysis of the VANCO and OXYGEN trials. *Eur J Orthop Surg Trauma* 2026. In Revision.
4. Schlauch AM, Zakusylo A, Schaffer N, Mauffrey C, Hellwinkel JE, and Ricci WM. Is the Use of Retrospectively Collected Radiographic Scores an Accurate Method to Determine Time to Union? A Retrospective Clinical Cohort. *J Orthop Trauma* 2026.

5. Gilbert WB, Moreno-Diaz AF, Maxson R, Morris CA, Rodriguez-Baron E, Yong TM, Schaffer NE, Obrebskey WT, and Mitchell PM. Comparison of the RFN-Advanced Femoral Nailing System versus Locked Lateral Plating in the Management of Distal Femur Fractures: A Matched-Cohort Analysis. *Injury* 2025;56:112442.
6. Mika AP, Maxson R, Moreno-Diaz AF, Ponce RB, Wrenn SP, Morris CA, Savakus JC, Yeager M, Coscia A, Johnson L, Schaffer NE, Pennings JS, Maki CA, Hake M, Johnson JP, and Mitchell PM. Femur Fractures Distal to Long and Short Cephalomedullary Nails: A Comparative Multicenter Study. *J Am Acad Orthop Surg* 2025.
7. Schaffer NE. CORR Insights®: Does Transhumeral Osseointegration After Amputation Improve Patient-Reported Outcomes and Prosthesis Use? *Clin Orthop Relat Res* 2025;1511–3.
8. Schaffer NE, Luther L, Ponce RB, Wrenn SP, Cave JR, Moreno-Diaz AF, Morris CA, Tatman LM, and Mitchell PM. Iatrogenic Sciatic Nerve Injury in Posterior Acetabular Surgery: Surgeon More Predictive Than Position. *J. Orthop. Trauma* 2024;38:477–83.
9. Schaffer NE, Luther L, Tatman LM, and Mitchell PM. Femoral Head Fractures: Evaluation, Management, and Outcomes. *J Am Acad Orthop Surg* 2024.
10. Ahn J and Schaffer NE. Letter to the Editor: Editorial: Should Orthopaedic Residents Be Required to Do Research, or Would Critical Reading Programs Be a Better Use of Their Time? *Clin Orthop Relat Res* 2023;481:1254.
11. Lawendy AR, Kapilow J, Schaffer NE, Obrebskey WT, Patel M, Schemitsch GW, McKee MD, and Schemitsch EH. Compartment Syndrome: The Issues and Solutions You Need to Know About. *Instr Course Lect* 2023;72:343–56.
12. Maturana C, Perdue AM, Ahn J, Hake ME, and Schaffer NE. Full Reversal of Anticoagulants Prior to Cephalomedullary Fixation of Geriatric Hip Fractures May Not Be Necessary. *J Orthop Trauma* 2023;37:444–9.
13. McHugh MA, Wilson JL, Schaffer NE, Olsen EC, Perdue A, Ahn J, and Hake ME. Preoperative Comorbidities Associated With Early Mortality in Hip Fracture Patients: A Multicenter Study. *J Am Acad Orthop Surg* 2023;31:81–6.
14. Schaffer NE and Ahn J. Letter to the Editor: Not the Last Word: Primum Non Nocere Is Harmful. Primum Noce Apte May Help. *Clin Orthop Relat Res* 2023;481:1444.
15. Schaffer NE, Singh M, McHugh MA, Perdue AM, Ahn J, MOTR Collaborative, and Hake ME. Comparison of True Blood Loss between Short and Long Cephalomedullary Nail Fixation of Geriatric Hip Fractures, a Retrospective Cohort Study. *Eur J Orthop Surg Traumatol* 2023.
16. Garcia S, Schaffer NE, Wallace N, Butt BB, Gagnier J, and Aleem IS. Perioperative Corticosteroids Reduce Dysphagia Severity Following Anterior Cervical Spinal Fusion: A Meta-Analysis of Randomized Controlled Trials. *J. Bone Joint Surg. Am.* 2021;103:821–8.
17. Roberts KC, Moser SE, Collins AC, McCardel BR, Schultz KA, Schaffer NE, Tramer JS, Carpenter CA, Pierce JM, Edwards A, Dubois KM, and Brummett CM. Prescribing and Consumption of Opioids after Primary, Unilateral Total Hip and Knee Arthroplasty in Opioid-Naïve Patients. *J. Arthroplasty* 2020;35:960–965.e1.
18. Schaffer NE, Wilson JL, Yee MA, and Hake ME. Intramedullary Nail for a Distal Tibia Fracture. *J. Orthop. Trauma* 2020;34 Suppl 2:S37–S38.
19. Wallace N, Schaffer NE, Aleem IS, and Patel R. 3D-Printed Patient-Specific Spine Implants: A Systematic Review. *Clin. Spine Surg.* 2020;33:400–7.
20. Wallace N, Schaffer NE, Freedman BA, Nassr A, Currier BL, Patel R, and Aleem IS. Computer-Assisted Navigation in Complex Cervical Spine Surgery: Tips and Tricks. *J. Spine Surg. Hong Kong* 2020;6:136–44.
21. Hivelin M, Soprani A, Schaffer NE, Hans S, and Lantieri L. Minimally Invasive Laparoscopically Dissected Deep Inferior Epigastric Artery Perforator Flap: An Anatomical Feasibility Study and a First Clinical Case. *Plast. Reconstr. Surg.* 2018;141:33–9.

22. Freedman RL, Rooney K, Asiimwe A, Kayima P, Mumbere OM, Ocokoni T, Okidi R, Schaffer NE, Ssemujju A, and Tungotoyo M. Relaunching the WHO Surgical Safety Checklist in a Ugandan Referral Hospital. Is Sustainable Change Possible? A Lifebox Fellowship Project. *Anaesthesia* 2017;72:22.
23. Wang Z, Schaffer NE, Kliever SA, and Mangelsdorf DJ. Nuclear Receptors: Emerging Drug Targets for Parasitic Diseases. *J. Clin. Invest.* 2017;127:1165–71.
24. Lantieri L, Grimbret P, Ortonne N, Suberbielle C, Bories D, Cebrián SGV, Lemogne C, Bellivier F, Lefaucheur JP, Schaffer NE, Martin F, Meningaud JP, Wolkenstein P, and Hivelin M. Face Transplant: Long-Term Follow-up and Results of a Prospective Open Study. *The Lancet* 2016.
25. Pezeshk RA, Pulikkottil BJ, Bailey SH, Schaffer NE, Reece EM, Thornton NJ, Gupta AR, and Hoxworth RE. An Evidence-Based Model for the Successful Treatment of Flank and Lateral Abdominal Wall Hernias. *Plast. Reconstr. Surg.* 2015;136:377–85.
26. Pezeshk RA, Yap L, Pulikkottil BJ, Schaffer NE, Mapula S, Scott K, Gordon P, and Hoxworth RE. Complex Abdominal Wall Reconstruction: A Novel Approach to Post-Operative Care Utilizing Physical Medicine and Rehabilitation. *Plast. Reconstr. Surg.* 2015;136:362e–369e.
27. Hegde A, Haines DC, Bondlela M, Chen B, Schaffer NE, Tomchick DR, Machius M, Nguyen H, Chowdhary PK, Stewart L, Lopez C, and Peterson JA. Interactions of Substrates at the Surface of P450s Can Greatly Enhance Substrate Potency. *Biochemistry* 2007;46:14010–7.

BOOK CHAPTERS

1. Schaffer NE and Obrebsky WT. Diagnosis and Management of Necrotizing Fasciitis/Sepsis. In: Browner BD, Krettek C, Jupiter JB, Anderson PA, Catanzano A, Hughes JL, and Bhashyam AR. *Skeletal Trauma: A Comprehensive Guide for ED Management*. 1st ed. Elsevier, 2027:750.
2. Schaffer NE. Biostatistics. In: *Orthopedic Secrets*. Ed. by Namdari S and Pill S. 5th ed. In Press. Elsevier, 2025.
3. Schaffer NE. Elbow and Forearm – Non-operative Complications. In: *AO Milestones Elbow and Forearm*. Ed. by Dyer GSM and Ahn J. In Press. AO North America, 2025.
4. Schaffer NE, Kapilow JM, and Obrebsky WT. Approaches and Fixation Strategies for Scapular Fractures (Pitfalls and Opportunities): MIO Versus Conventional ORIF. In: Pires RE, Labronici PJ, and Giordano V. *Fractures of the Scapula: Current Management Concepts*. 1st ed. Springer Cham, 2024:33–43. DOI: 10.1007/978-3-031-58498-5.
5. Schaffer NE, Killian ML, Merz T, Hankenson KD, and Ahn J. Bone, Cartilage, and Tendon Healing. In: Tornetta P, Ostrum RF, and McKee MD. *Rockwood and Green's Fractures in Adults*. 10th ed. Philadelphia: Wolters Kluwer, 2024.
6. Coscia A and Schaffer NE. Basics of Fixation. In: Brown DL, Adidharma W, and Hespe GE. *Michigan Manual of Plastic Surgery*. 3rd ed. Philadelphia: Wolters Kluwer, 2023:312–8.
7. Zarnett O, Charest-Morin R, Schaffer NE, Aleem IS, and Nassr A. Modern Care of Benign Tumors of the Spine. In: Singh K and Colman M. *Surgical Spinal Oncology*. 1st ed. Springer Cham, 2020.
8. Schaffer NE and Lawton JN. Proximal Ulna Fractures. In: Chung KC, Lawton JN, Lien JR, and Freehill MT. *The University of Michigan's Upper Extremity Fracture Surgery*. Philadelphia: Wolters Kluwer, 2019:137–49.

CONFERENCE PRESENTATIONS

1. Kumar DS, Luther L, Traven SA, Schaffer NE, Litten RM, Moore RS, Moreno-Diaz AF, Velasco-Castro J, Maxson R, Sumpter AE, Sethi MK, Agarwal A, Boyce RH, Collinge CA, Evans JM, Jahangir AA, Johnson JP, Mir HR, Perdue AM, Quade JH, Spitler CA, Stinner DJ, Tatman LM, and Mitchell PM. Is Surgeon Technique a Modifiable Risk Factor for Heterotopic Ossification? A Multi-Surgeon Study. Poster. Orthopaedic Trauma Association Annual Meeting (Nashville, TN). 2026.

2. Luther L, Kumar D, Traven SA, Schaffer NE, Litten RM, Moore RS, Moreno-Diaz AF, Velasco-Castro J, Maxson R, Sumpter AE, Agarwal A, Boyce RH, Collinge CA, Evans JM, Jahangir AA, Johnson JP, Mir HR, Perdue AM, Quade JH, Sethi MK, Spitler CA, Stinner DJ, Tatman LM, and Mitchell PM. Severe Heterotopic Ossification After Posterior Acetabular Fixation Is Rare and Predictable: An Analysis of 1288 Cases Without Prophylaxis. Podium. Orthopaedic Trauma Association Annual Meeting (Nashville, TN). 2026.
3. Schaffer NE, Albotabeekh M, Baral A, McClelland W, Padilla K, Simske NM, Tyler AF, and Yong TM. Characterizing the Landscape of Vendor-Surgeon Relationships in Orthopaedic Trauma. Poster. Orthopaedic Trauma Association Annual Meeting (Nashville, TN). 2026.
4. Schaffer NE, Whiting PS, Gary JL, Weaver MJ, Carroll EA, Kleweno CP, Teague DC, Bosse MJ, Castillo RC, O'Toole RV, Ahn J, and Consortium METR. Justifying Large Samples for Randomized Trials in Orthopaedic Trauma. Poster. Orthopaedic Trauma Association Annual Meeting (Nashville, TN). 2026.
5. Schaffer NE, Xu Y, Scharfstein DO, Carlini AR, Castillo RC, Obremskey WT, and METRC. PO vs IV Antibiotics for FRI: Bayesian Analysis of the POvIV Trial. Podium. Orthopaedic Trauma Association Annual Meeting (Phoenix, AZ). 2025.
6. Luther L, Schaffer NE, Tatman LM, Morris CA, Ponce RB, Wrenn SP, Cave JR, Moreno-Diaz AF, and Mitchell PM. Iatrogenic Nerve Injury in Posterior Acetabular Surgery: Surgeon More Predictive than Position. Podium. OneAO (Phoenix, AZ). 2024.
7. Schultz JD, Schaffer NE, Labrum J, Luther L, Mulvey HE, Uppuganti S, Nyman JS, Stinner DJ, and Mitchell PM. Femoral Neck Prophylaxis With Lateral Femoral Plating: A Biomechanical Study. Poster. Society of Military Orthopaedic Surgeons Annual Meeting (Nashville, TN). 2024.
8. Schultz JD, Schaffer NE, Labrum J, Luther L, Mulvey HE, Uppuganti S, Nyman JS, Stinner DJ, and Mitchell PM. Femoral Neck Prophylaxis With Lateral Femoral Plating: A Biomechanical Study. Podium. Orthopaedic Trauma Association Annual Meeting (Montreal, QC). 2024.
9. Schaffer NE, Luther L, Ponce RB, Wrenn SP, Cave JR, Moreno-Diaz AF, Morris C, Tatman LM, and Mitchell PM. Surgeon, More than Position, Predicts Iatrogenic Sciatic Nerve Palsy after Posterior Acetabular Surgery. Poster. Orthopaedic Trauma Association Annual Meeting. 2023.
10. Schaffer NE, Maturana C, Singh M, Perdue AM, Ahn J, and Hake ME. Full Reversal of Anticoagulants Prior to Cephalomedullary Fixation of Geriatric Hip Fractures May Not Be Necessary. Poster. Orthopaedic Trauma Association Annual Meeting (Seattle, WA). 2023.
11. Schaffer NE, Morris C, Luther L, and Mitchell PM. Iatrogenic Sciatic Nerve Palsy after a Posterior Approach to the Acetabulum: Position and Prevalence. Poster. AO TNA Fellows Forum (Park City, UT). 2023.
12. Schaffer NE, Morris C, Luther L, and Mitchell PM. Kocher-Langenbeck: What's the True Incidence of Sciatic Nerve Palsy? Podium. AO TNA Fellows Forum (Park City, UT). 2023.
13. Maturana CM, Schaffer NE, Bradford L, and Hake ME. Impact of Anticoagulants and Antiplatelet Drugs on Outcomes Following Hip Fractures Treated with Cephalomedullary Nails. Poster. American Academy of Orthopaedic Surgeons Annual Meeting (Chicago, Illinois). 2022.
14. Meremikwu RI, Schaffer NE, Singh M, McHugh MA, Perdue AM, and Hake ME. Reduced Length of Stay for Geriatric Hip Fractures Treated with Short Rather Than Long Nails: A Multicenter Retrospective Analysis. Podium. Michigan Orthopaedic Society Annual Scientific Meeting (Mackinac Island, MI). 2021.
15. Schaffer NE, McHugh MA, Singh M, Davis ME, Perdue AM, and Hake ME. Short Cephalomedullary Nails Decrease True Blood Loss Compared to Long Nails: A Multicenter Retrospective Review. Poster. American Academy of Orthopaedic Surgeons Annual Meeting (San Diego, California). 2021.
16. Schaffer NE, Singh M, McHugh MA, Perdue AM, Ahn J, and Hake ME. Use of Short Cephalomedullary Nails for Geriatric Hip Fractures Reduces Blood Loss and Need for Transfusion: A Multicenter Retrospective Analysis. Poster. Orthopaedic Trauma Association Annual Meeting (Fort Worth, Texas). 2021.

17. Davis ME, Schaffer NE, McHugh MA, Singh M, Perdue AM, and Hake ME. The Relationship between Hospital Volume and Outcomes in Hip Fracture Patients, a Multicenter Study. Poster. Michigan Orthopaedic Society Annual Scientific Meeting (Mackinac Island, MI). 2020.
18. Davis ME, Schaffer NE, Wilson JL, and Hake ME. Retrograde Intramedullary Nail for a Distal Femur Fracture through a Total Knee Arthroplasty. Video. Orthopaedic Trauma Association Annual Meeting (Nashville, TN). 2020.
19. McHugh MA, Davis ME, Schaffer NE, Singh M, Wilson JL, Perdue AM, and Hake ME. Predicting Early Mortality in High Risk Hip Fracture Patients Based on Time to OR: A Multicenter Study. Podium. Orthopaedic Trauma Association Annual Meeting (Nashville, TN). 2020.
20. McHugh MA, Schaffer NE, Davis ME, Wilson JL, Perdue AM, and Hake ME. Predicting Early Mortality in Hip Fracture Patients Based on Preoperative Comorbidities: A Multicenter Study. Poster. Michigan Orthopaedic Society Annual Scientific Meeting (Mackinac Island, MI). 2020.
21. Schaffer NE, McHugh MA, Singh M, Davis ME, Perdue AM, and Hake ME. Short Cephalomedullary Nails Confer No True Blood Loss Benefit Compared to Long Nails. Poster. Michigan Orthopaedic Society Annual Scientific Meeting (Mackinac Island, MI). 2020.
22. Wallace N, Schaffer NE, Patel R, and Aleem IS. Three-Dimensional Printed Implants in Spine Surgery: A Systematic Review of Clinical and Radiographic Outcomes. Podium. Michigan Orthopaedic Society Annual Scientific Meeting (Mackinac Island, MI). 2020.
23. Austin W, Roberts KC, Schaffer NE, McCardel BR, Schultz KA, and Brummett CM. Prescribing and Consumption of Opioids after Primary, Unilateral Total Hip and Knee Arthroplasty in Opioid Naive Patients. Michigan Orthopaedic Society Annual Scientific Meeting (Traverse City, MI). 2019.
24. Schaffer NE, Wilson JL, Yee MA, and Hake ME. Intramedullary Nail for a Distal Tibia Fracture. Video. Orthopaedic Trauma Association Annual Meeting (Denver, CO). 2019.
25. Freedman RL, Rooney K, Asiimwe A, Kayima P, Mumbere OM, Ocokoni T, Okidi R, Schaffer NE, Ssemujju A, and Tungotyo M. Relaunching the WHO Surgical Safety Checklist in a Ugandan Referral Hospital. Is Sustainable Change Possible? A Lifebox Fellowship Project. Poster. Association of Anaesthetists GBI Winter Scientific Meeting (London, England). 2017.
26. Hoxworth RE, Pezeshk RA, Pulikkottil BJ, Schaffer NE, Mapula S, Conover HD, Rege RV, and Kenkel JM. Optimizing Patient Outcomes: A Multidisciplinary Evidence Based Approach to Abdominal Wall Reconstruction. Poster. American Association of Plastic Surgeons Annual Meeting (New York, NY). 2016.
27. Pezeshk RA, Yap LA, Pulikkottil BJ, Mapula S, Schaffer NE, Scott KM, Gordon P, and Hoxworth RE. Impact of a Structured Rehabilitation Protocol on Hernia Recurrence after Operative Repair. Poster. American Academy of Physical Medicine and Rehabilitation Annual Assembly (New Orleans, LA). 2016.
28. Pezeshk RA, Schaffer NE, Pulikkottil BJ, Bailey SH, Mapula S, Rege RV, and Hoxworth RE. Contaminated Abdominal Wall Reconstruction with Acellular Dermal Matrix. Podium. Plastic Surgery at the Red Sea (Eilat, Israel). 2015.
29. Wong C, Pezeshk RA, Pulikkottil BJ, Mapula S, Schaffer NE, and Hoxworth RE. Complex Abdominal Wall Reconstruction: A Novel Approach to Postoperative Care Using Physical Medicine and Rehabilitation. Podium. Plastic Surgery the Meeting (Boston, MA). 2015.
30. Schaffer NE, Wang Z, Kliewer SA, and Mangelsdorf DJ. DAF-12: A Novel Drug Target for Controlling Nematodes. Podium. UT Southwestern Integrative Biology Works In Progress Seminar (Dallas, TX). 2013.
31. Schaffer NE, Wang Z, Kliewer SA, and Mangelsdorf DJ. DAF-12: A Novel Drug Target for Controlling Nematodes. Podium. UT Southwestern Integrative Biology Works In Progress Seminar (Dallas, TX). 2012.
32. Schaffer NE, Wang Z, Kliewer SA, and Mangelsdorf DJ. DAF-12: A Novel Drug Target for Controlling Nematodes. Podium. UT Southwestern Integrative Biology Works In Progress Seminar (Dallas, TX). 2012.

33. Schaffer NE, Wang Z, Kliewer SA, and Mangelsdorf DJ. DAF-12: A Therapeutic Target in Nematodes. Podium. UT Southwestern Medical Scientist Training Program Works in Progress Seminar (Dallas, TX). 2011.
34. Schaffer NE, Wang Z, Kliewer SA, and Mangelsdorf DJ. DAF-12: A Therapeutic Target in Nematodes. Podium. UT Southwestern Integrative Biology Works In Progress Seminar (Dallas, TX). 2011.
35. Schaffer NE, Wang Z, Kliewer SA, and Mangelsdorf DJ. DAF-12: A Therapeutic Target in Nematodes. Podium. UT Southwestern Medical Scientist Training Program Annual Retreat (Whitney, TX). 2011.
36. Schaffer NE, Wang Z, Motola DL, Kliewer SA, and Mangelsdorf DJ. Targeting Nuclear Receptors in Parasitic Nematodes. Poster. UT Southwestern Medical Scientist Training Program Annual Retreat (Whitney, TX). 2010.