

Curriculum Vitae
Tina Zhang, MD, MS
Assistant Professor, Department of Orthopaedics
University of Maryland School of Medicine

Date September 1, 2026

Contact Information

Business Address: Department of Orthopaedics
110 S. Paca St., Suite 300
Baltimore, MD 210201
Business Phone Number: (410) 328-6040
Email: tzhang1@som.umaryland.edu

Education

2008 - 2012 B.S., Bioengineering, University of Maryland, College Park (UMCP), MD
2014 - 2015 M.S., Physiology and Biophysics, Georgetown University School of Medicine
(GUSOM), Washington, D.C.
2015 - 2020 M.D., GUSOM, Washington, D.C.

Post Graduate Education and Training

2020 - 2025 Residency, Orthopaedic Surgery, University of Maryland Medical Center
2025 - 2026 Fellowship, Orthopaedic Trauma, R Adams Cowley Shock Trauma Center

Medical Licensures

2026 Maryland (active)

Employment History

Academics Appointments

2026-present Assistant Professor, Department of Orthopaedics, UMSOM

Other Employment

2009-2012 Research Intern, Food and Drug Administration (FDA), Silver Spring, MD
2012-2013 Faculty Research Assistant, Orthopaedic Mechanobiology Lab, UMCP
2013-2014 Research Assistant, Westat, Rockville, MD
2019-2020 Research Fellow, UMSOM

Honors and Awards

2008	UMD Banneker/Key Full Scholarship
2008-2012	A. James Clark School of Engineering Dean's List, University Honors Program
2012	Outstanding Gemstone Team Leader Award, UMD, College Park, MD
2021	Maryland Orthopaedic Association Resident/Fellow Research Award, 2nd place
2023	Orthopaedic Research Society Clinical Scholar Career Development Program, Rosemont, IL
2024	American Orthopaedic Association C. McCollister Evarts Resident Leadership Forum, St. Louis, MO
2025	American Orthopaedic Association Scott D. Boden Emerging Leaders Forum, Minneapolis, MN

Professional Society Memberships

2020-present	Member, Ruth Jackson Orthopedic Society
2025-present	Member, American Academy of Orthopaedic Surgeons
2025-2026	Ex-Officio Fellow Member, Orthopaedic Trauma Association, Fellowship Committee, 2025-26

Local Service

2012-present	Coaching collegiate martial arts sports club (TerpWushu)
2013-present	Collegiate Wushu Committee Advisor
2014	Georgetown Medical AIDS Advocacy Network
2015-2017	Hoya Clinic
2025	Perry Initiative Medical Student Outreach Program Volunteer

Teaching Service

Medical Student Teaching/Mentoring

2015-2017	Teaching Assistant and Prosector, Anatomy Lab, GUSOM 200 students – 2 hour lab weekly over 12 weeks
2023-2026	Group leader, Orthopaedic Interest Group Workshops 4-5 students – 2 hour sessions, 1-2 workshops a year

Resident and Fellow Teaching

2024-2025	Education Chief Resident, UMSOM 30 residents – Coordination of 4 hour weekly education conferences
2025	Intern Bootcamp, UMSOM 15 residents – 4 contact hours/year
2025-present	Lecturer/Anatomy Lab, Orthopaedic Trauma Didactics, UMSOM 7-8 residents, 4-5 hours/year

Research Activities

My research interests include orthopaedic surgery, biomechanics, and patient-reported outcomes to optimize fracture care.

Grant Support

Active Grants or Contracts

2025-2027 PI, 100%
 “*Young Investigator Research Development Award*”
 AO Trauma
 Annual Direct Costs: \$30,000
 Total Direct Costs: \$30,000

Completed Grants or Contracts

2010-2012 Co-Inv 50% (PI: Adam Hsieh)
 “*The Effect of Tensile Strength Loss on Collagen Organization in Anterior Cruciate Ligament Grafts Post-Reconstruction Surgery*”
 Howard Hughes Medical Institute
 Annual Direct Costs: \$3000
 Total Direct Costs: \$3000

2020-2022 Co-Investigator, 50% (PI: Julio Jauregui)
 “*Biomechanical Comparison of Four- vs Six-strand Transosseous Suture Repair for Patellar Tendon Ruptures*”
 University of Maryland Intramural Grant
 Annual Direct Costs: \$6,500
 Total Direct Costs: \$6,500

Publications

Peer-reviewed Journal Articles

1. Chamani A, Mehta HP, McDermott MK, Attaluri A, **Zhang T**, Jammula S, Topoleski LDT, Zhu L. Theoretical Simulation of Temperature Elevations in a Joint Wear Simulator During Rotations. In: Proceedings of the ASME 2013 Summer Bioengineering Conference; 2013 Jun 26-29; Sunriver, OR. New York: ASME; 2013. doi: 10.1115/SBC2013-14173.
2. McDermott MK, Chatterjee S, Hu X, Ash-Shakoor A, Avery R, Belyaeva A, Cooper M, Cruz C, Hughes M, Leadbetter J, Merkle C, Moot T, Parvinian S, Patwardhan D, Saylor D, Srinivasachar K, Tang N, **Zhang T**. Implementation of a Quality by Design Approach for Spray Coating Drug Eluting Stents by Ultrasonic Atomization. AAPS PharmSciTech. 2015. doi: 10.1208/s12249-014-0266-9.

3. Whitney A, **Zhang T**, Russell JP, Kim H, Hsieh AH, O'Toole RV. Biomechanical and Cost Comparisons of Near-Far and Pin-Bar Constructs. *Orthopedics*. 2016. doi: 10.3928/01477447-20161006-03.
4. **Zhang T**, Jauregui JJ, Foster MJ, Packer JP, Meredith SM, Leong NL, Henn RF 3rd. Outcomes of Partial Meniscectomy in Obese Patients: A Systematic Review and Meta-Analysis. *Cartilage*. 2020. doi: 10.1177/1947603520923025.
5. Hertzberg ML, **Zhang T**, Dubina AG, Henn RF 3rd. Superior Patella Periosteal Sleeve Avulsion Following Ipsilateral Tibial Tubercle Fracture Fixation: A Case Report. *JBJS Case Connect*. 2020. doi: 10.2106/JBJS.CC.20.00155.
6. Hunt D, **Zhang T**, Koenig S, Aneizi A, Perraut G, Shasti K, Wahl A, Meredith SJ, Henn RF 3rd. Predictors of PROMIS Physical Function Two Years Following Knee Surgery. *J Knee Surg*. 2021. doi: 10.1055/s-0040-1716360.
7. Kadiyala J, **Zhang T**, Aneizi A, Gopinath R, Ventimiglia D, Burt C, Sajak P, Meredith SJ, Henn RF 3rd. Preoperative Factors Associated with Two-Year Postoperative Survey Completion in Knee Surgery Patients. *J Knee Surg*. 2021. doi: 10.1055/s-0041-1723764.
8. Lin B, **Zhang T**, Aneizi A, Henry LE, Mixa P, Wahl AJ, Shasti K, Meredith SJ, Henn RF 3rd. Predictors of Met Expectations Two Years After Knee Surgery. *J Orthop*. 2021. doi: 10.1016/j.jor.2021.03.022.
9. Aneizi A, Friedmann E, Henry LE, Perraut G, Sajak PMJ, Ventimiglia DJ, Burt CI, **Zhang T**, Packer JD, Henn RF 3rd. Perioperative Opioid Use in Anterior Cruciate Ligament Reconstruction Patients. *J Knee Surg*. 2021. doi: 10.1055/s-0041-1729620.
10. McCurdy M, Burt C, Schneider MB, **Zhang T**, Foster M, Aneizi A, Gilotra MN, Hasan SA, Henn RF 3rd. Preoperative opioid use correlates with worse patient-reported outcomes two years after elective shoulder surgery. *J Orthop*. 2021. doi: 10.1016/j.jor.2021.05.001.
11. Weir TB, **Zhang T**, Jauregui JJ, Aneizi A, Sajak PMJ, Gilotra MN, Abzug JM, Henn RF 3rd, Akabudike NM. Press Ganey Surveys in Patients Undergoing Upper Extremity Procedures: Response Rate and Evidence of Nonresponse Bias. *JBJS*. 2021. doi: 10.2106/jbjs.20.01467.
12. Karsalia M, **Zhang T**, Aneizi A, Foster M, Schneider M, Sajak PMS, Nadarajah V, Meredith SJ, Henn RF 3rd. Predictors of Postoperative Pain using PROMIS Pain Interference Two-Years Following Knee Surgery. *J Orthop*. 2021. doi: 10.1016/j.jor.2021.05.017.
13. Albelo F, Baker M, **Zhang T**, Schneider MS, Jauregui JJ, Nadarajah V, Meredith SJ, Packer JD, Henn RF 3rd. Impact of pre-operative recreational marijuana use on outcomes two years after orthopaedic surgery. *Int Orthop*. 2021. doi: 10.1007/s00264-021-05069-3.
14. Weir TB, **Zhang T**, Jauregui JJ, Abzug JM, Henn RF 3rd, Akabudike NM. Factors Influencing Press Ganey Ambulatory Surgery Scores in Patients Undergoing Upper Extremity Procedures. *JAAOS Global*. 2021. doi: 10.5435/jaaosglobal-d-20-00209.
15. Kung J, **Zhang T**, Aneizi A, Koenig S, Shasti K, Wahl AJ, Packer JD, Meredith SJ, Henn RF 3rd. Predictors of Two-Year Patient Satisfaction Following Knee Surgery. *JCOT*. 2021. doi: 10.1016/j.jcot.2021.101486.
16. Chrencik MT, Ventimiglia DJ, Schneider MB, **Zhang T**, Fisher KL, Hahn A, Gilotra MN, Hasan SA, Henn RF 3rd. Preoperative characteristics predictive of PROMIS pain interference two years after shoulder surgery. *JOO*. 2021. doi: 10.1016/j.jor.2021.08.010.

17. Henry L, **Zhang T**, Aneizi A, Weir TB, Schneider MB, Meredith SJ, Leong NL, Packer JD, Henn RF 3rd. Perioperative opioid use and Press Ganey patient satisfaction scores after anterior cruciate ligament reconstruction. JOO. 2021. doi: 10.1016/j.jor.2021.09.003.
18. Perraut G, **Zhang T**, Weir TB, Schneider MB, Aneizi A, Leong NL, Packer JD, Meredith SJ, Henn RF 3rd. Preoperative Factors Associated with Press Ganey Patient Satisfaction Scores After Anterior Cruciate Ligament Reconstruction. J Knee Surg. 2022. doi: 10.1055/s-0041-1741394.
19. **Zhang T**, Shasti K, Dubina AG, Schneider M, Aneizi A, Packer JD, O'Toole RV, Sciadini MF, Henn RF 3rd. Long Term Outcomes of Multiligament Knee Injuries. JOT. 2022. doi: 10.1097/bot.0000000000002348.
20. Schneider MB, Kung J, **Zhang T**, Rocca M, Foster M, Leong NL, Meredith SJ, Packer JD, Henn RF 3rd. Patient Perception of Being 'Completely Better' After Anterior Cruciate Ligament Reconstruction. AJSM. 2022. doi: 10.1177/03635465221074331.
21. Baker M, Albelo F, **Zhang T**, Schneider MB, Foster MJ, Aneizi A, Hasan SA, Gilotra MN, Henn RF 3rd. PROMIS Depression and Anxiety in shoulder surgery patients. Bone Joint J. 2022;104-B(4). doi: 10.1302/0301-620X.104B4.BJJ-2021-1089.R1.
22. Kung JE, **Zhang T**, Weir TB, Schneider MB, Aneizi A, Leong NL, Packer JD, Meredith SJ, Henn RF 3rd. Correlation of Press Ganey Scores with Early Patient Satisfaction After Anterior Cruciate Ligament Reconstruction. OJSM. 2022. doi: 10.1177/23259671221083704.
23. Ventimiglia DJ, Chrencik MT, Schneider MB, **Zhang T**, Munn MM, Kolakowski LC, Gilotra MN, Hasan SA, Henn RF 3rd. Preoperative Factors Associated with Patient Satisfaction Two Years After Elective Shoulder Surgery. JSES International. 2022. doi: 10.1016/j.jseint.2022.04.008.
24. **Zhang T**, Schneider MB, Weir TB, Shaw NM, Foster M, Meredith SJ, Leong NL, Packer JD, Henn RF 3rd. Response Bias for Press Ganey Ambulatory Surgery Surveys After Knee Surgery. J Knee Surg. 2022. doi: 10.1055/s-0042-1748896.
25. **Zhang T**, Wahl A, Schneider MB, Xu D, Hahn A, Meredith SJ, Packer JD, Leong NL, Zhang LQ, Henn RF 3rd, Jauregui JJ. Biomechanical Comparison of Four- vs Six-strand Transosseous Suture Repair for Patellar Tendon Ruptures. J Knee Surg. 2023. doi: 10.1055/s-0043-1766094.
26. Kaveeshwar S, Stevens K, Ventimiglia DJ, **Zhang T**, Schneider MB, Henry L, Hasan SA, Gilotra MN, Henn RF 3rd. Higher preoperative expectations predict better outcomes in shoulder surgery patients. KSSTA. 2022. doi: 10.1007/s00167-022-07053-9.
27. Burt C, McCurdy M, Schneider MB, **Zhang T**, Weir TB, Langhammer CG, Pensy RA, Akabudike NM, Henn RF 3rd. Preoperative opioid use is associated with worse two-year patient-reported outcomes after hand surgery: A retrospective cohort study. J Hand Microsurg. 2024. doi: 10.1016/j.jham.2024.100060.
28. Dreizin D, Edmond T, **Zhang T**, Sarkar N, Ozerk T, Nascone J. CT of Periarticular Adult Knee Fractures: Classification and Management Implications. RadioGraphics. 2024. doi: 10.1148/rg.240014.
29. Hughes M, Brand J, Edmond T, **Zhang T**, Raffetto M, Turner KE, Lawrence JE, Kovvur M, Gage MJ, Nascone J, Sciadini M, O'Hara N, O'Toole RV. Can early postoperative radiographs predict fracture union? A case-control study of femoral shaft nails. Injury. 2025. doi: 10.1016/j.injury.2025.112512.

30. Haydel A, Christianson E, Baum S, Johnson T, Zhang T, Hartline J, Chintalapudi N, Karunakar M, Soni C, Lopas LA, Guisse NF, Miller AN, Kurkowski SC, Sagi HC, Poirer J, Jang Y, Dasari S, Hervert-Davies J, Rutz RW, Spitler CA, Lauck BJ, Ling CQ, Ivanov D, Chen AT, Khaleel M, Rocca GJD, Leonardi C, Krause P. Treatment and Outcomes for GSW Humerus Fractures: A Multicenter Analysis. JOT. 2025. Online ahead of print.
31. Hartline J, **Zhang T**, Takamura K, Langhammer C. Early Operative Management of Ballistic Humeral Shaft Fractures is Associated with Shorter and More Predictable Course of Healing. Orthopaedics. 2026. Online ahead of print.