

F. Johannes Plate, MD, PhD, FAOA, FAAOS

I am a fellowship trained Adult Reconstruction Surgeon and currently Associate Professor and Director of Adult Reconstruction Research at the University of Pittsburgh Medical Center and Clinical Associate Director of the Pitt Health + Explainable AI (Pitt HexAI) Research Laboratory of the University of Pittsburgh. I grew up in Germany and spent a year as an exchange student in Upstate New York during high school. Having enjoyed my experience abroad, I became a research fellow at Sinai Hospital of Baltimore during medical school. After I finished German medical school at Heidelberg University, I joined the Physician Scientist Training Program at Wake Forest University where I earned a PhD in Neuroscience during my time in the lab and completed residency. I joined the faculty at Wake Forest after a fellowship in Adult Reconstruction Duke University. We then took the opportunity to return to my wife's hometown and became faculty at the University of Pittsburgh.

I am a clinician scientist with dedicated research time along my total joint arthroplasty practice. I strive to improve patient outcomes with innovations in ligament balancing for robotic-assisted surgeries and using artificial intelligence algorithms to identify patients at risk for suboptimal outcomes. As a member of a team in clinical and basic science research and in the operating room, I endeavor to lead with integrity, inclusion and clear communication. I am humbled to become a new member of the AOA and hope to continue to learn how to become an effective and compassionate leader that can inspire and challenge others to be their best.