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Janet holds bachelors degrees in biology/pre-medicine from Kent State University and materials engineering from Youngstown State University, a masters of engineering in mechanical engineering from Youngstown State University, and a Ph.D. in materials science engineering from Case Western Reserve University. She is a Research Associate in Materials Science and Engineering at Case Western Reserve University and works in the Nitinol Commercialization Accelerator Laboratory and Advanced Manufacturing and Mechanical Reliability Center under Professor John Lewandowski. Janet is also a member of the DARPA HAPTIX iSens project team under Professor Dustin Tyler in the Functional Neural Interface Lab in Biomedical Engineering. Her current research focuses on the fatigue and fracture of wire-based systems used in biomedical applications as well as reliability of medical devices used in neuromodulation. Additionally, she is an adjunct faculty member in the Mechanical, Industrial, and Manufacturing Engineering Department at Youngstown State University teaching a course in Engineering Materials.

Miss Gbur is a past recipient of the ASTM E08 Best Student Presentation Award and ASM Best Student Paper Award for her review paper on the fatigue and fracture of wires and strands used in biomedical applications, a Henry DeWitt Smith scholar, ASTM International and ZTA Foundation graduate recipient, and most recently Swansea University's Research as Art External International Award winner for her image, "Killer Inclusion," which was also featured by the BBC news. She is a member of the Microscopy Society of Northeastern Ohio and is the MSA Student Council Past-President. She is an active member of ASTM International, ASM International, and TMS committees.