



**Michelle L. Oyen, Ph.D.**

**Associate Professor of Biomedical Engineering, Wayne State University**



Dr. Oyen is an Associate Professor of Biomedical Engineering at Wayne State University in Detroit, Mich. She has a background in materials science, mechanical engineering, and medical physics. She has researched and advocated for engineering methodologies within maternal health and women's health for more than 25 years. She is especially interested in using these approaches to improve maternal-fetal outcomes, including prevention, diagnosis, and interventions relevant to preterm birth. Current research projects focus on multi-scale characterization of placenta function, biomimetic material models of the uterus, and digital twin representations of pregnancy.