



Keelee McCarty, Ph.D. - Post-Doctoral Scientist

Keelee is currently a Post-Doctoral research associate at CCRM. She received her Bachelor's degrees at Mississippi State University in Biochemistry as well as Animal Sciences, then stayed for a Master's in Reproductive Physiology. Her work at MSU primarily focused on maternal hemodynamics, placental biology, and fetal development in livestock. In 2021, she graduated with her Doctorate from Clemson University in Growth and Development. Keelee's dissertation focused on developmental programming as it related to glucocorticoid administration and appetitive center brain development in cattle. During this time, she also worked to determine potential biomarkers of early embryonic loss via cytokine, exosome, and microRNA profiling. At CCRM, Keelee is utilizing a well-established 3D co-culture system to determine optimal environmental conditions during implantation and early embryonic development. Today, Keelee's research interests include developmental programming and maternal-fetal interactions during pregnancy.