**EPSCoR Undergraduate Researcher Inducted into Engineering Student Hall of Fame**

Chelsea Lindley, a senior in Biological Engineering at Mississippi State University, was recently inducted into the Bagley College of Engineering Student Hall of Fame. Chelsea has contributed to the EPSCoR project since 2008 through her participation in the BioSim Cluster. She has been working with Dr. Robert Hester, Professor of Physiology at UMMC, and Dr. David Thompson, Associate Professor of Aerospace Engineering at MSU. Chelsea used published results from clinical exercise studies to validate DigitalHuman, a program developed at UMMC to simulate human physiology. By revealing both the strengths and weaknesses of the DigitalHuman program, these validation tests help to emphasize the value of DigitalHuman in education and research settings while also highlighting areas needing further development. Her work helps to improve the accuracy of DigitalHuman, developing it into an effective tool for the study and testing of human physiology. Chelsea made poster presentations of her work at the Mississippi EPSCoR conferences in 2009 and 2010.

During her career at MSU, Chelsea has demonstrated a genuine enthusiasm toward service and leadership that is highlighted by her organization of a mission trip to Ghana and her role as a High School Girls Small Group Leader at Starkville First United Methodist Church. She is a member of the Institute of Biological Engineering, currently serving as president, Tau Beta Pi, Lambda Sigma Honor Society, and the American Medical Student Association. She is also a member of Delta Gamma Sorority. At MSU, Chelsea received a James Worth Bagley College of Engineering Excellence Scholarship, a Wiley Fairchild Endowed Scholarship, an Educational Enrichment Scholarship, and an Academic Excellence Scholarship. She has been on the President's List each semester she has been at MSU. Chelsea plans to begin medical school in the fall.