Cindy Reinhart-King, Ph.D.
Cornelius Vanderbilt Professor of Engineering
Professor of Biomedical Engineering
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"Mechanobiology in Cancer: the Role of Forces in Tumor Angiogenesis and Tumor Metastasis"

- Integrating cell biology, biomaterials, mechanics, and in vitro, in vivo and ex ovo models to investigate how extracellular matrix affects tumor progression
- Mechano-chemical feedback between tumor cells and their extracellular environment
- ECM mechanical properties affect growth and integrity of tumor vasculature through contractility-mediated signaling.
- ECM properties affect metastatic cell migration in confined vs. unconfined spaces through different cellular-molecular machinery

Monday December 18, 2017
12:15 pm     1220 MRB III