Biomolecular Microsystems & NanoTransducers (BioMiNT) Lab

1. Cell engineering for cell therapy
2. Cell pairing for immune cell communication
3. Immunoserodiagnosics

Bio Nano Transducers

Current: 9 PhD students, 3 MS students, 3 UGs
Bio Microsystems

1. Blood processing for point-of-care diagnostics (1 PhD or 1 MS)
2. Artificial cells for in vivo cell based therapies (1 MS)
3. Microfluidic vascularized tissue therapeutic models (1 PhD or 1 MS)
Center for Advanced Design and Manufacturing of Integrated Microfluidics (CADMIM)

• 2-site NSF Industry/University Cooperative Research Center (I/UCRC)

UCIrvine  UIC UNIVERSITY OF ILLINOIS AT CHICAGO  NSF

• Mission: Develop advanced design tools and manufacturing technologies for cost-effective, quick, and easy diagnosis of the environment, agriculture, and human health.

• Industrial Advisory Board members:

Asahi KASEI  Genomics Institute of the Novartis Research Foundation  CORTEVA agriscience  Wainamics

www.inrf.uci.edu/cadmim