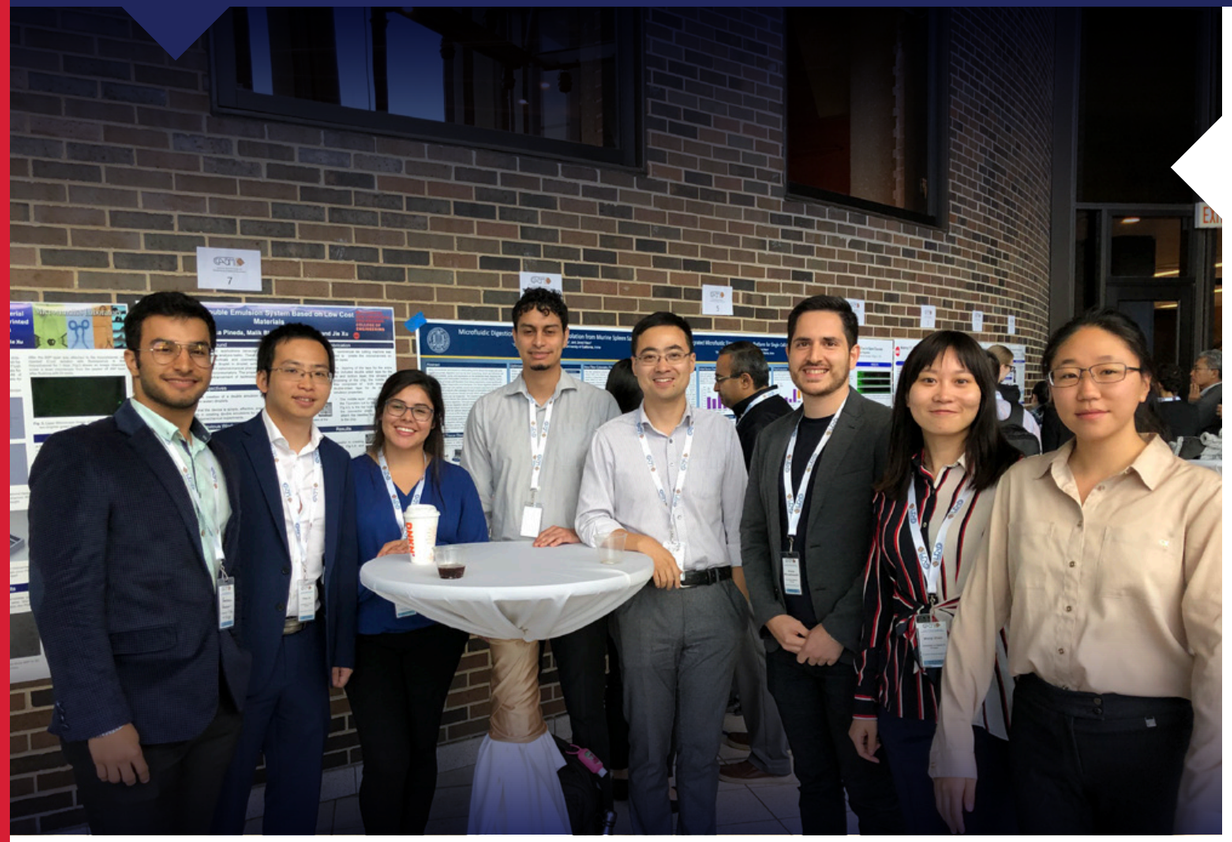
# CADMIM
## Center for Advanced Design and Manufacturing of Integrated Microfluidics



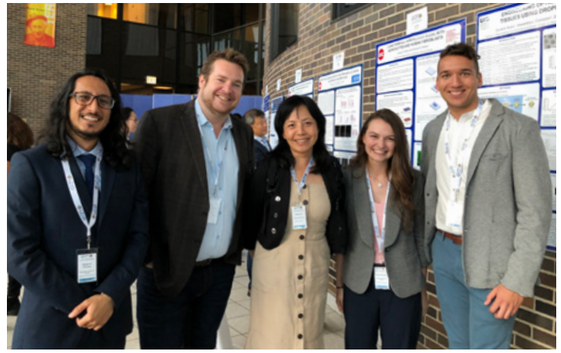
### CADMIM held its semiannual Industrial Advisory Board Meeting on September 4 and 5 in Student Center East.

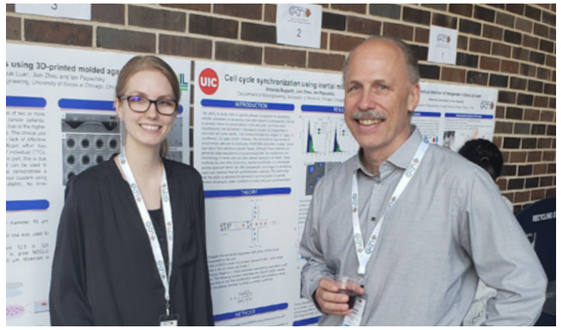
CADMIM's mission is to develop microscale tools and technologies that create simpler, faster, and cheaper analytical solutions addressing human health, agriculture, and the environment. The National Science Foundation Industry/University Cooperative Research Center is composed of the University of Illinois at Chicago and the University of California at Irvine.

This year's meeting featured an expanded poster presentation section from graduate and undergraduate students from both universities. The IAB meeting also included talks from Ian Papautsky, Richard and Loan Hill professor and center co-director, and Abraham Lee, center director and UC-Irvine site leader.

CADMIM's advisory board includes Aline, Amgen, Asahi Kasei, Beckman Coulter, Corning, Corteva Agriscience, Agriculture Division of DowDuPont, ESI Group, Genomics Institute of the Novartis Research Foundation, Genus, KWS SAAT, VTT Technical Research Center of Finland, and Wainamics.

This year's event also included tours of several Richard and Loan Hill Department of Bioengineering labs, including Associate Professor Salman Khetani's lab, Papautsky's lab, Richard and Loan Hill Professor Eben Alsberg's lab, and Professor David Eddington's lab.



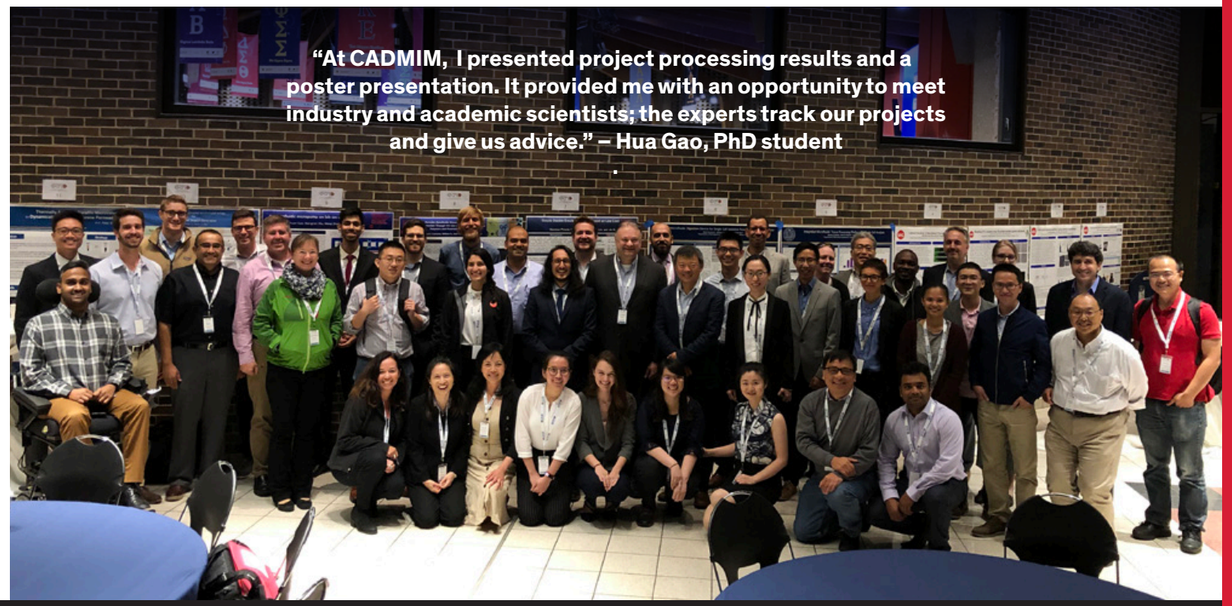

**Bioengineering student Amanda Bogseth and Department Head Thomas J. Royston, PhD.**

"At CADMIM, I presented an inertial microfluidic project I have been working on, which aims to make a microfluidic device that separates the G1 and G2/M cell phases in various cancer cell lines. The microfluidic approach uses inertial forces to separate the cells by size and consequently by phase to provide biologists with a chemical-free approach to study cells for them to better understand the mechanisms that lead to cancer.

The presentation experience was helpful in allowing me to practice my communication skills with graduate students and faculty who are knowledgeable about microfluidics, and emphasized the importance of other's perspectives while working on a research project.

At this year's CADMIM meeting, I learned about the various applications of microfluidics like device development for capturing circulating tumor cells and growing cells on a microfluidic chip, and talked with professors who gave me feedback on my poster and ideas on how the device could be used in the future within their lab."

– Amanda Bogseth, undergradute bioengineering student



**"At CADMIM, I presented project processing results and a poster presentation. It provided me with an opportunity to meet industry and academic scientists; the experts track our projects and give us advice." – Hua Gao, PhD student**