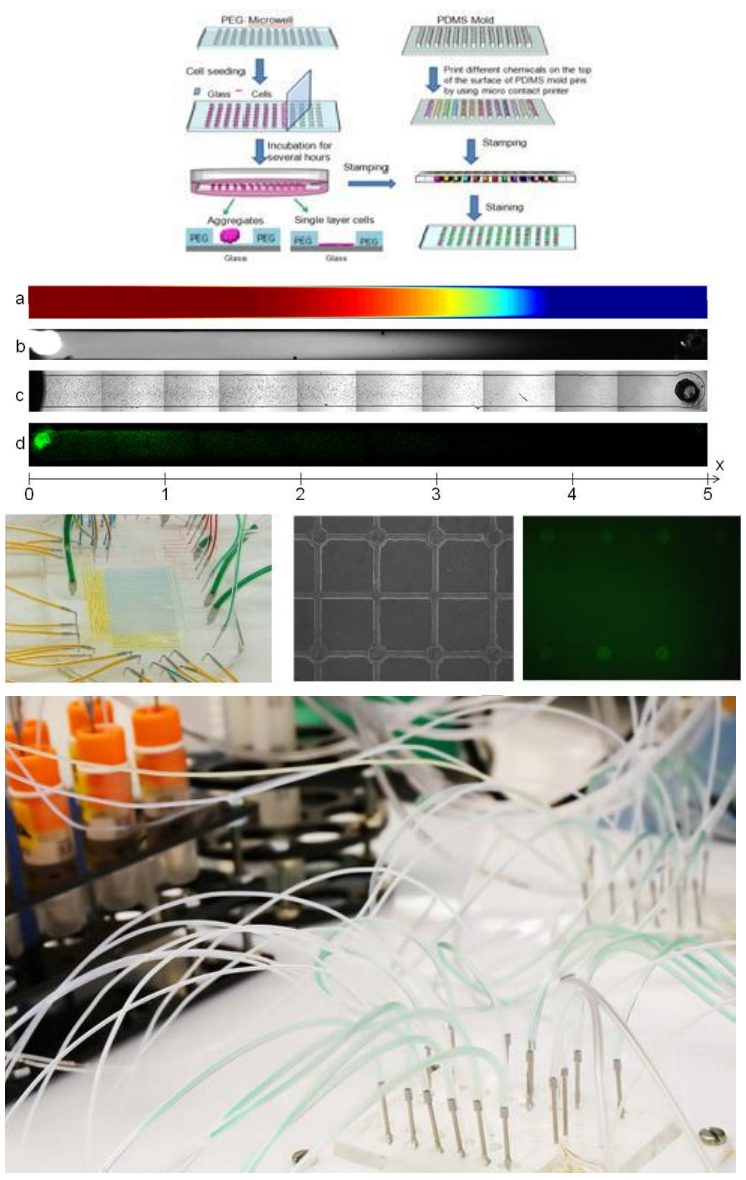
UNIVERSITÉ Concordia UNIVERSITY

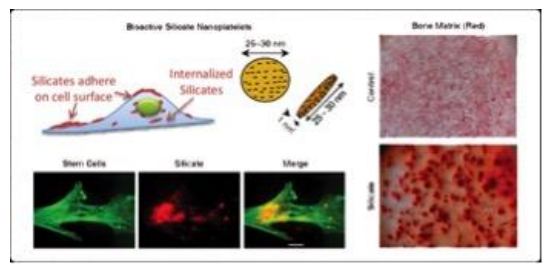
Concordia Engineering: Distinguished Speaker Series

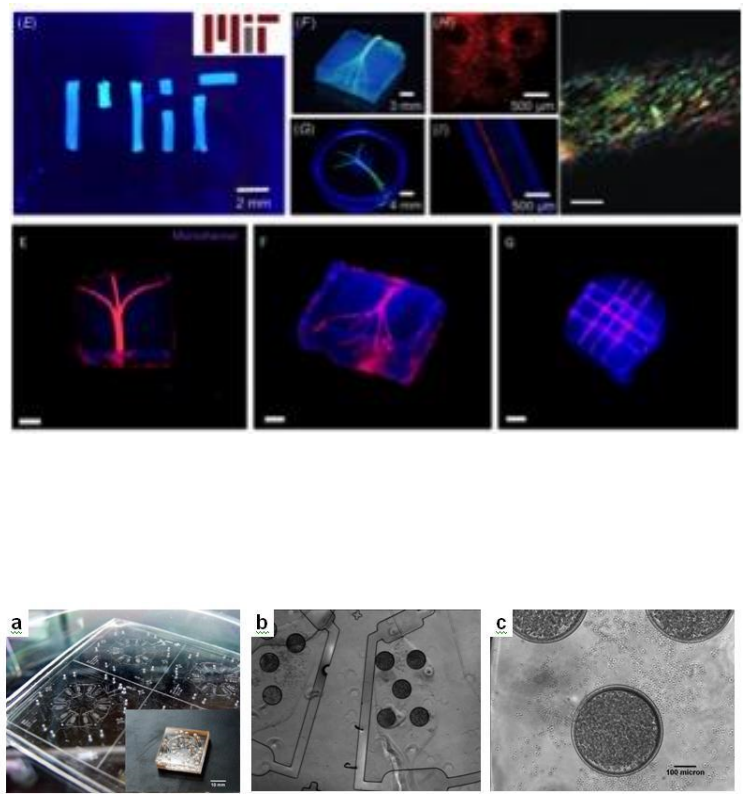
Professor Ali Khademhosseini

Department of Medicine, Brigham and Women's Hospital
Harvard Medical School, Cambridge, MA
Harvard-MIT Division of Health Sciences and Technology, MIT, Cambridge, MA
Wyss Institute for Biologically Inspired Engineering, Harvard University, Boston, MA

Nano- and Microfabricated Hydrogels for Regenerative Engineering







Engineered materials that integrate advances in polymer chemistry, nanotechnology, and biological sciences have the potential to create powerful medical therapies. Our group aims to engineer tissue regenerative therapies using water-containing polymer networks, called hydrogels, that can regulate cell behavior. Specifically, we have developed photocrosslinkable hybrid hydrogels that combine natural biomolecules with nanoparticles to regulate the chemical, biological, mechanical and electrical properties of gels. It is anticipated that such approaches will lead to the development of next-generation regenerative therapeutics and biomedical devices. Read more at: http://www.tissueeng.net/

Tuesday, December 8th, 2015
11:00am to 12:00pm
EV 2.260

MIE Graduate Student Committee
Université Concordia University
2015

Concordia University
Engineering and Computer Science