

Curriculum Vitae

Name	Yu Huang
Education	Ph.D. Materials Science University of Wisconsin-Madison 2011
	M.S. Materials Science University of Wisconsin-Madison 2010
	B.S. Chemistry Beijing University 2001
Academic Experience	Utah State University Assistant Professor July 2016 – Present Full time
	University of South Dakota Assistant Professor Sept 2015 – July 2016 Full time
Non-Academic Experience	Houston Methodist Research Institute Research Associate Development of Nanomaterials for Anti-Cancer Therapy Jan 2013 – Sept 2015 Full time
	University of Wisconsin-Madison Postdoctoral Fellow Development of Microfluidic Platforms to Mimic Micro-environment of Invasive Brain Tumor Aug 2011 – Jan 2013 Full time

Current Membership in professional organizations
Member
Honors and awards

Member, Biomedical Engineering Society

Important publications/presentations of last five years

1. Xu R, Zhang G, Mai J, Deng X, Segura-Ibarra V, Wu S, Shen J, Liu H, Hu Z, Chen L, Huang Y, Koay E, Huang Y, Liu J, Ensor JE, Blanco E, Liu X, Ferrari M, Shen H. An injectable nanoparticle generator enhances delivery of cancer therapeutics. *Nature Biotechnology*, 34, 414-418, 2016

2. *Froeter P, *Huang Y (*Co-first author), Cangelaris OV, Huang W, Dent EW, Gillette MU, Williams JC, Li X. Towards Intelligent Synthetic Neural Circuits: Directing and Accelerating Neuron Cell Growth by Self-rolled-up Silicon Nitride Microtube Array. *ACS Nano*, 8 (11), 11108-11117, 2014.

3. Huang Y, Williams JC, Johnson SM. Brain Slice on a Chip: Opportunities and Challenges of Applying Microfluidic Technology to Intact Tissues. *Lab Chip*, 12(12), 2103-2117, 2012.

4. *Yu M, *Huang Y (*Co-first author), Ballweg J, Shin H, Huang M, Savage DE, Lagally MG, Dent EW, Blick RH, Williams JC. Semiconductor Nanomembrane Tubes: Three-Dimensional Confinement for Controlled Neurite Outgrowth. *ACS Nano*, 5(4), 2447-2457, 2011.

5. Huang Y, Agrawal B, Sun D, Kuo JS, Williams JC. Microfluidics-based Devices: New Tools for Studying Cancer and Cancer Stem Cell Migration. *Biomicrofluidics*, 5, 013412, 2011

Recent professional development activities

Empowering Teaching Excellence at Utah State University