

Yuting Qiu

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EDUCATION

Northeastern University, Boston, MA

College of Chemical Engineering	GPA: 3.8/4.0	Sep 2014 – May 2018
PhD of Science in Chemical Engineering		
College of Chemical Engineering	GPA: 3.8/4.0	Sep 2014 – Nov 2016
Master's Degree in Engineering		
Related Courses: Transport Phenomena, Cellular Engineering		
College of Chemistry and Chemical Biology	GPA: 3.0/4.0	Sep 2013 – Apr 2014
Master's Degree in Science		
Related Courses: Analytical Separation, Principles of Mass Spectrometry, Glycoprotein		

Jilin University, Changchun, China

College of Engineering	GPA: 3.5/4.0	June 2013
Bachelor's Degree in Engineering		
Related Courses: Polymer Chemistry, Polymer Design		
College of Mathematics	GPA: 3.8/4.0	June 2013
Bachelor's Degree in Actuarial Sciences (Minor)		
Related Courses: Applied statistics, Risk Modeling, Simulation, Programming in Matlab, Chain management		

PUBLICATIONS

- Northeastern University**
- Three-dimensional microtissues as in vitro model for personalized radiation therapy, published by Analyst, 2017, 142, 3605 as front cover article
 - Enhancing radiation therapy with cell penetrating peptide modified gold nanoparticles, published by Austin J. Biomed. Eng. 2016, 3, 1033
 - Nanoparticle enhanced anti-metastatic treatment of cancer with ionizing radiation, accepted by Journal of Materials Science: Materials in Medicine
 - Population based sub-cellular toxicity assay on single cell array, accepted by Analytica Chimica Acta
 - Nanocellulose hydrogel as 3D scaffold for tissue engineering, submitted to Biomaterials
 - Photocontrollable dynamic micropatterning of 3D microtissues for radiation condition assessment, submitted to Langmuir

PATENTS

- Single Cell Patterning for High Throughput Toxicity Assay 5200.2185-000 (INV-18025)

SKILLS

Laboratory:	Radiation Therapy, Cell Culture, Biochemistry, PCR, Confocal Microscopy, Gold Nanomedicine
Software:	OriginPro, Microsoft Office, Photoshop, Matlab, Python, R
Social:	Strong Communication Ability, Piano (Grade 6 Certified in China), Business Analytics

EXPERIENCE

Postdoctoral Fellow

Northeastern University, Boston, MA	June 2018 – Aug 2018
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Research Assistant at Department of Biomedical Engineering

Northeastern University, Boston, MA

Apr 2013 – May 2018

- Researching three-dimensional micro-tissue assay for high-throughput cytotoxicity of nanoparticles
- Designed multi-marker based blood assay for rapid reliable screening of diseases

Analytical Separations Engineer Intern

Catabasis Pharmaceuticals Inc., Cambridge, MA

May 2017–Oct 2017

- Optimization Analytics, Data Analysis, Operations research