

Yasmine Doleyres

Hometown: Uniondale, Long Island, NY

Status: PhD Student

Department: Macromolecular Sciences and Engineering Program

Undergraduate Institution: Massachusetts Institute of Technology (MIT), Materials Science and Engineering

Current Activities/ Hobbies: University of Michigan Society of Minority Engineers and Scientists - Graduate, ACS POLY/PMSE student chapter, Capoeira, Mentoring through Big Brothers Big Sisters, Running, Playing Piano and Flute

Involved with NSBE?: With NSBE, I was involved the most during my freshman and sophomore years of undergrad as a regular dues paying member, attending regional conferences and chapter meetings. For SMES-G, I was programs chair for my 2nd year and since then just a regular member, attending our monthly meetings, recruitment, and volunteering events.

Why did you choose to attend Graduate school?: I chose to attend graduate school because I enjoy the research that happens in my field, and I know that having a PhD will give me flexibility in industry and still allow me to go back and teach later on if I still want to.

Research: My research project combines the fields of tissue engineering and drug delivery to help improve breast cancer treatment and/ or other soft tissue defects. My lab has unique microsphere scaffolds on which I am working to differentiate adipose stem cells to produce vascularized adipose tissue. Combined with this, targeted nanospheres can simultaneously release drugs to target residual cancer cells.

Career goals after graduation: Right after graduation I would like to work in industry for a pharmaceutical company and translate biomaterials research into industry/ the clinic.