

## Yah-el Har-el, Ph.D.

Dr. Har-el is a post-doctoral fellow for a joint project between Drexel Biomedical Engineering and Philadelphia University School of Engineering and Textiles. She is working on drug delivery from tissue engineered scaffolds using electrospinning to create a cardiac patch.

Dr. Har-el has worked in the field of controlled drug delivery for over twelve years. Most recently, she was awarded a Kirschstein award as a post-doctoral fellow in the Radionuclide Therapy and Dosimetry Research Lab of Dr. George Sgouros, Division of Nuclear Medicine in the Russell H. Morgan Dept of Radiology and Radiological Science at The Johns Hopkins University, School of Medicine. In this project, she worked on the development of a delivery system for a radionuclide to treat metastatic ovarian cancer *in vitro* and in mice. This included non-invasive SPECT-CT imaging and some fluorescence imaging. She also collaborated with an MR group to develop a magnetic resonance imaging agent as well.

She received her Bachelor's degree in Chemical Engineering from the Johns Hopkins University, Whiting School of Engineering and her Ph.D. in Chemical & Biomolecular Engineering from the Johns Hopkins University, Whiting School of Engineering. The majority of her work as a PhD student in Dr. Justin Hanes' lab was in polymer microspheres and gene delivery. The title of her PhD thesis is "High DNA Density Non-viral Gene Vectors".