LEADERSHIP AND TEACHING EXPERIENCE

Yale Graduate School of Arts and Sciences (New Haven, CT) | Spring 2013, 2014, 2015
Teaching Fellow – Biomaterial-Tissue Interaction (Prof. Themis Kyriakides)

- Organized and led exam review sessions and gave guest lectures in class geared toward advanced undergraduate and graduate students
- Wrote and graded exams

Yale Graduate School of Arts and Sciences (New Haven, CT) | Fall 2014
Teaching Fellow – Senior Seminar in Biomedical Engineering (Prof. Xenophon Papademetris)

- Organized and led peer review sessions of NIH-style grants with undergraduate students
- Provided one-on-one consultations with undergraduate students regarding review and grant-style papers
- Critiqued undergraduate student oral presentations

Yale Graduate School of Arts and Sciences (New Haven, CT) | Fall 2013
Teaching Fellow – Physiological Systems Laboratory (Prof. Themis Kyriakides)

- Prepared laboratory equipment (dialysis set-up, sensors, electrodes, breadboards, oscilloscopes, signal generators, amplifiers, etc.) for and aided in undergraduate use of said equipment
- Guided undergraduates through and helped develop creative solutions to laboratory complications

SELECTED AWARDS AND PRESENTATIONS

American Heart Association Predoctoral Fellowship | July 2015 - June 2017

- Selected as a fellow from a national pool of applicants based on written proposal of vascular research
- Stipend and Health Coverage

Yale University Combined Award | July 2015 - June 2017

- Awarded to students able to secure external funding for graduate research

Edward E. Barlow Fellowship | 2011 - 2015

- Tuition coverage

Poster Presentation | NAVBO Vascular Biology 2015 (Hyannis, MA)
Kristofik NJ, Calabro NE, Dimitrievska S, Qin L, Niklason LE, Tellides G, Kyriakides TR (Oct 2015). A thromboresistant cell-derived biomaterial coating.

Podium Presentation | NAVBO Vascular Biology 2013 (Hyannis, MA)
Kristofik NJ, Calabro NE, Tian W, Meng A, Breuer CK, Niklason LE, Tellides G, Kyriakides TR (Oct 2013). A thromboresistant and proangiogenic cell-derived biomaterial coating.

SELECTED PUBLICATIONS

1. **Kristofik N**, Qin L, Calabro NE, Dimitrievska S, Niklason LE, Kyriakides TR. Improving in vivo outcomes of small-diameter vascular grafts with an extracellular matrix coating. (in preparation)
2. Bellini C, **Kristofik NJ**, Bersi MR, Kyriakides TR, Humphrey JD. A hidden structural vulnerability in thrombospondin-2 deficient aorta increases the propensity to intramural delamination. Journal of Mechanical Behavior of Biomedical Materials (accepted).
3. **Kristofik N**, Calabro NE, Tian W, Meng A, Maclauchlan S, Wang Y, Breuer CK, Niklason LE, Kyriakides TR. Impaired von Willebrand factor adhesion and platelet response in thrombospondin-2 knockout mice. Blood. 2016 Sep;128(12):1642-1650.
4. Calabro NE, **Kristofik NJ**, Kyriakides TR. Thrombospondin-2 and extracellular matrix assembly. Biochim Biophys Acta. 2014 Aug 31;1840(8):2396-2402.
5. Kobsa S, **Kristofik NJ**, Sawyer AJ, Bothwell AL, Kyriakides TR, Saltzman WM. An electrospun scaffold integrating nucleic acid delivery for treatment of full-thickness wounds. Biomaterials. 2013 May;34(15):3891-901.
6. Fields RJ, Cheng CJ, Quijano E, Weller C, **Kristofik N**, Duong N, Hoimes C, Egan ME, Saltzman WM. Surface modified poly(β amino ester)-containing nanoparticles for plasmid DNA delivery. J Control Release. 2012 Nov 28;164(1):41-8.