U.S. Citizen

Priya Mohindra

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EDUCATION

Georgia Institute of Technology, Atlanta, GA Graduation: May 2016
- Bachelor of Science in Biomedical Engineering (BME) Major GPA: 4.0
- Minor in Scientific Engineering and Computing

PROFESSIONAL EXPERIENCE

Design Engineering Intern - Kaleidoscope Animations, Inc. Aug. 2015 – Dec. 2015
Innovation consulting and product design firm that leverages expertise in consumer insights, technology, and health to grow businesses
- Led development and testing of five retinal device concepts for future use in clinical trials
- Developed and optimized numerous testing procedures and protocols through iterative testing using GDP
- Communicated and managed vendors and suppliers for three separate design projects
- Drove OFI and CAPA completion as part of quality management system team
- Consulted in weekly client meetings to provide updates and insight on project progression

R&D Engineering Intern - Svelte Medical Systems, Inc. May 2015 – Aug. 2015
Privately held startup engaged in the design and development of highly deliverable balloon expandable stents
- Collaborated with teams on integrated delivery and rapid exchange platforms for drug-eluting stents
- Managed vendors to ensure design specifications met the quality standards
- Developed and optimized test procedures for real world design validation and verification
- Executed test methods and reports in accordance with GDP for design freeze and development phase

Teaching Assistant - Georgia Institute of Technology BME Department Jan. 2015 – May 2015
BMED Course 2210 (Conservation Principles in Biomedical Engineering)
- Provided supplemental instruction for 50 students through hosting weekly office hours and exam review sessions

Undergraduate Research Assistant - Lab of Biomolecular Engineering & Nanomedicine May 2013 – May 2015
Georgia Institute of Technology research facility developing biomolecular methodologies for disease detection
- Troubleshot therapy subjecting internalized iron nanoparticles in cancer cells to alternating magnetic fields
- Optimized RT-PCR protocol to consistently obtain RNA purity above accepted tolerance levels

SKILLS

- Programming: LabVIEW, Matlab, Python, Java, C
- Software: SolidWorks, Simulink, Microsoft Office Suite, Excel, Minitab
- Machine: Mill, Instron & Mark-10 Tensile Testers, Hydraulic Burst-Leak Tester, MSI Stent Crimper

PUBLICATIONS

1. Quinto, C., **Mohindra, P.**, Tong, S., & Bao, G. (2015). Multifunctional Superparamagnetic Iron Oxide Nanoparticles for Combined Chemotherapy and Hyperthermia Cancer Treatment. *Nanoscale*.
2. Zeglis, B., Sevak, K., Reiner, T., **Mohindra, P.**… Lewis, J. (2013). A Pretargeted PET Imaging Strategy Based on Bioorthogonal Diels-Alder Click Chemistry. *Journal of Nuclear Medicin*e, 1389-1396
3. Zeglis, B., **Mohindra, P.**, Weissmann, G., Divilov, V.... Lewis, J. (2011). Modular Strategy for the Construction of Radiometalated Antibodies for Positron Emission Tomography Based on Inverse Electron Demand Diels–Alder Click Chemistry. *Bioconjugate Chemistry*, 2048-2059.

SIGNIFICANT TEAM PROJECTS

Laryngoscope "Hands-Free" Redesign - Georgia Institute of Technology Aug. 2013 – Dec. 2013
- Led a team to repurpose the laryngoscope into a hands-free device allowing physicians increased flexibility
- Prototyped novel design assembly SolidWorks and generated manufacturing specifications

Quantitative Physiology Lab - Georgia Institute of Technology Aug. 2014 – Dec. 2014
- Designed LabVIEW VIs to collect/interpret physiological signals in real time from live animal/human models
- Led team in experimental design, protocol writing, report writing, and data analysis

ORGANIZATION AFFILIATIONS

Engineering Team Member - Engineering World Health Jan. 2014 – Present
- Refurbished medical devices at MedShare (i.e. medical beds, pulse oximeters, heart monitors) for distribution

Student Ambassador - Biomedical Engineering Department FUTURES Jan. 2013 – Present
- Represent BME Department by providing tours and answers to prospective Georgia Tech students and families