

Tiger Talent

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901-678-0000

- EDUCATION** **Bachelor of Science in Biomedical Engineering**
University of Memphis, Memphis, TN
Expected Graduation Date: May 2021
GPA: 3.0
- SKILLS** **Programming Languages:** MATLAB, SigmaPlot, Microsoft Office Suite
Laboratory Tools: High Pressure Liquid Chromatography (HPLC), Medical imaging, Luminescence assays, Statistical analysis, LabVIEW, Hydrothermal
- RESEARCH** **Undergraduate Research Assistant**, Apr 2016 - Present
Department of Biomedical Engineering University of Memphis, Memphis, TN
- Perform zone of inhibition studies and turbidity studies for local companies
 - Utilize aseptic technique when culturing cells for cytocompatibility
 - Complete assays to measure results such as cell-titer glo, and bac-titer glo
 - Verify the viability of microbeads in cancerous fibroblast
- ABSTRACTS & PUBLICATIONS**
- Barr, B, Awais R, and Jennings JA. *Comparative antimicrobial activity of commercially available wound care sprays* in Annual American Veterinary Medical Association Convention. 2017. Indianapolis, IN.
- Barr, B, and Jennings JA. *Cytocompatibility study of magnetic nanoparticle loaded chitosan-PEG beads in cancerous fibroblasts* in National Conference for Undergraduate Research. 2017. Memphis, TN.
- Harris M, Ahmed H, Barr B, Mohapatra A, LeVine D, Pace L, Morshed B, Bumgardner J, and Jennings JA. *Magnetic Stimuli-Responsive Chitosan-based Drug Delivery Bio composite for Multiple Triggered Release*. *International Journal of Biological Macromolecules* (2017).
- EXPERIENCE** **STEM Ambassador**, Aug 2017 – Present
West Tennessee Stem Hub, Memphis, TN
- Communicates with SCS teachers to distribute STEM related activities
 - Impact kids by chaperoning STEM activities at various highschools
- Associate Coordinator**, Oct 2016 – Aug 2017
(CRISTAL) Center for Research in STEM Teaching and Learning Memphis, TN
- Managed the distribution of 15 financial opportunities to 13 STEM organizations
 - Created academic incentives for 15 STEM organizations
 - Worked with fellow coordinators to plan and host events for students in the STEM field
- LEADERSHIP** **Undergraduate Teachers Assistant**, Aug 2017 – Present
Treasurer, Society for Women Engineers, May 2017 – Present
Secretary and Finance Chair, National Society of Black Engineers Jul 16 – Jul 17
Liaison, Ambassador Biomedical Engineering Society/Society for Biomaterials, Aug 2016 – Present
Engineering Mentor, Student Success Program, Aug 2015 – Present