**Tiger Talent**

[tigertalent@memphis.edu](mailto:tigertalent@memphis.edu) 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 &** Barr, B, Awais R, and Jennings JA. *Comparative antimicrobial activity of*

**PUBLICATIONS** *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 high schools

**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