



Genevieve Hilliard

gen.hilliard@slu.edu

ADVISOR/MENTOR: Dr. Garg
SPONSOR/GRANT: Department of Defense
PROGRAM START: Fall 2018

BIOGRAPHY

Genevieve graduated from Saint Louis University with a B.A. in Biology in 2013 after which she worked at the Saint Louis Zoo as an Extern and Program coordinator. During her time at the zoo she explored how urbanization impacts box turtle ecology and how human-animal interactions can influence human health. She returned to Saint Louis University in 2015 where she received her M.S. in Biology. Her thesis focused on utilizing a PCL-manuka honey based scaffold as a treatment option for diabetic skin wounds. In 2017 she worked in the Biology department at Saint Louis University as the Laboratory Coordinator of upper division teaching labs. She began her PhD research in Dr. Koyal Garg's lab in the Fall of 2018.

Genevieve received the Brennan Summer research grant in 2016 and Graduate Teaching Award for Excellence 2017.

RESEARCH

Genevieve is currently a 2nd year Biomedical Engineering Ph.D. student in a tissue engineering laboratory focused on the regeneration of skeletal muscle. Specifically, she investigates how fibrin-laminin hydrogels support the functional recovery of volumetric muscle loss (VML), a debilitating muscle injury commonly acquired by active duty military personnel.



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