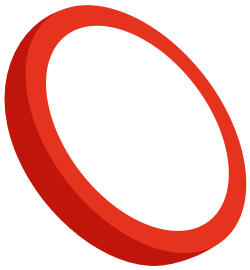
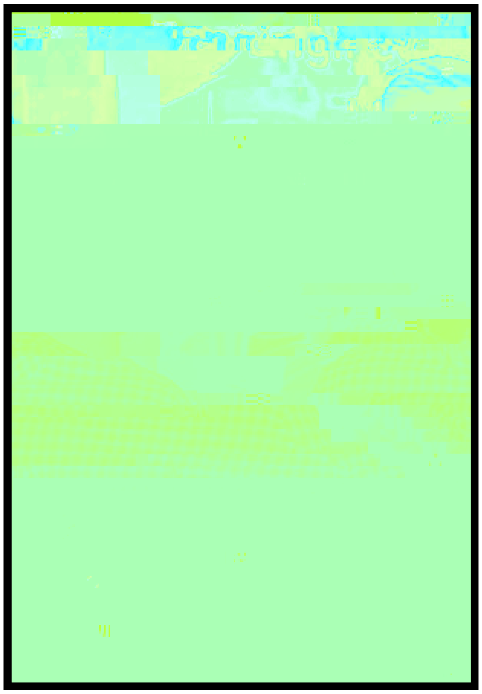
DEPARTMENT OF BIOMEDICAL ENGINEERING





NEW FUNDING FOR MUSCULOSKELETAL BIOMECHANICS LAB

Alex Reiter, Ph.D., Assistant Professor of Biomedical Engineering, was awarded a 2-year National Institutes of Health R03 grant for over $300k for his project titled, "Noninvasive Assessment of In Vivo Tissue Loads Following Treatment of Volumetric Muscle Loss." **Dr. Koyal Garg**, Biomedical Engineering Associate Professor, will serve as co-investitagator. To learn more about Dr. Reiter's Musculoskeletal Biomchanics lab click [here].

BME FACULTY SERVE AS GUEST EDITORS

Drs. Koyal Garg and Alex Reiter are serving as guest editors for the call for papers titled, "Integrative Strategies for Accelerated Recovery Following Musculoskeletal Injuries" in the Journal of Physiology. Several leading experts in skeletal muscle and tendon injuries have committed to submitting their research articles. They are enthusiastically participating in the peer review process to ensure the highest quality of contributions. Click [here] to learn more.

Additionally, **Dr. Koyal Garg** served as the guest editor for the special issue on "Volumetric Muscle Loss" in the prestigious journal, Advances in Wound Care, which is the leading publication of the National Wound Healing Society (WHS). In this role, Dr. Garg curated a collection of groundbreaking research articles by inviting top experts in the field and actively participating in the peer-review process. This special issue featured a series of captivating submissions that have significantly advanced the field of VML research.

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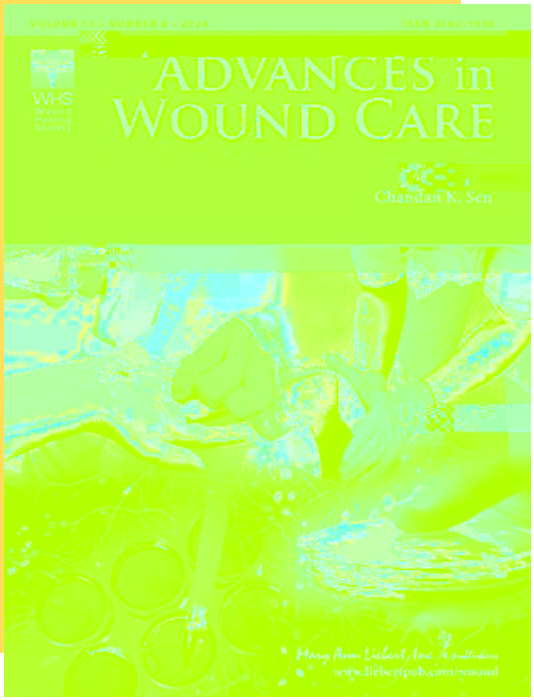

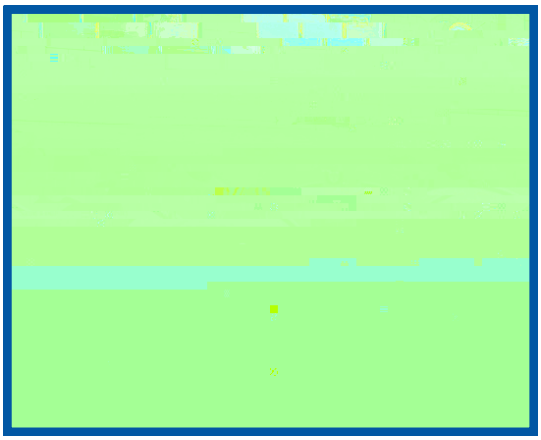

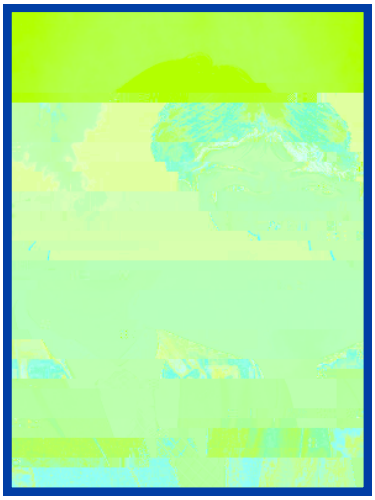

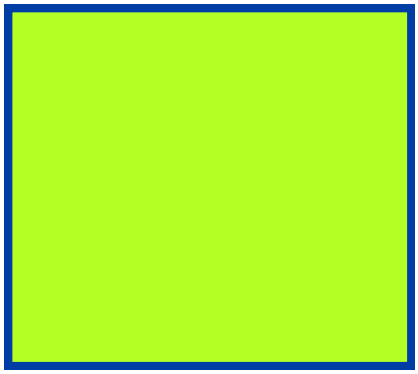

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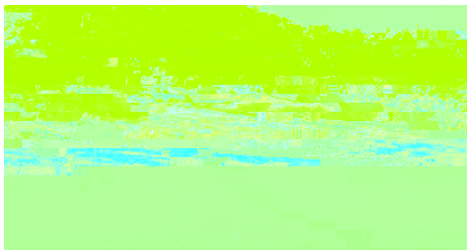

A I IGH

Gabriel Haas, 2020 BME grad uate, created he s ar up GenAssis while working in D. G ' M usc uloskele al Tiss ue Engineering Lab a SLU. GenAssis is commercializing atm uscle-regenera ing biomaerial ha t Gabriel co-inven ed wi h Dr. Garg. Their goal is o res ore s reng h and mobili y for vic ims of high-impac ra uma and o her m uscle-rela ed condi ions.

GAB IE HAA
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FFICE

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As a fo under and a scien is , I love tha my job is m ul i-face ed. Mas ering differen skills is cr cial for he b sines s o s ccee ed, b u i also se s me up for f u ue career s ccess. My scien ific and prod c development skills do ld land me a echnical job a a biopharma com pany in he f u re, b u also my ransferrable b siness skills allow me t o p rs e non- echnical oppor uni ies as well.

H ?

My en ire career t rajec ory can be raced o when Dr. Garg and I were chosen o par icipa e in he Collabora ive Undergrad ua e Research Experience (CURE) Program* hro gh Parks College. The $6000 s ipend and $1000 research gran j m p-s ar ed t his en ire projec , which has led o a collec ive $2,200,000 in gran f nding and com pany inves men o develop his echnology. The CURE Program also led o me working in Dr. Garg's lab for fo u years, where I acq ired the skills needed to perform labora ory research and develop bioma erials for m uscle regeneration. Addi ionally, wo of o u b siness advisors, Isaac Rodrig ez and Ma MacEwan, were each g es lec rers in my classes. Their lec res foc sed on developing a bio ech s ar up aro nd prod c s like o rs, and I was able o make hese impor an connec ions early on hro gh heir presence in he classroom.

*The CURE program ended in 2018.