



Biomedical Engineering Graduate Program & Research Newsletter

School of Science and Engineering | Saint Louis University

Publications

J. Krebs, **S. Stealey**, A. Brown, A. Krohn, **S. P. Zustiak**, ***N. Case**, “Carrageenan-Based Crowding and Confinement Combination Approach to Increase Collagen Deposition for In Vitro Tissue Development”, *Gels*, 2023, in press (IF: 4.6)

INVITED for Special Issue on “Hydrogels with Appropriate/Tunable Properties for Biomedical Applications”

This publication was a group effort involving multiple graduate students from the **Case and Zustiak labs**. **Joey Krebs** is a former BME undergrad and BS/MS student who finished his degree in December 2019, then worked in a research position in the lab of Dr. Ajay Jain in SLU Pediatrics for several years and is currently in his 2nd year of medical school at the University of Illinois College of Medicine. **Alyssa Brown** is a former BME undergrad and BS/MS student who finished her degree in May 2022 and is currently a project manager at Trident Manufacturing, Inc. **Austin Krohn** worked as an undergraduate assistant in the Case lab and then continued research as a BS/MS student. Austin delayed completion of his degree in July 2022 to take a full-time position with Pfizer in Boston and is scheduled to defend his thesis this semester. **Samuel Stealey** assisted on this project both as a graduate student and in his current post-doctoral position in Dr. Zustiak's lab.

Welcome New Faculty



Welcome the new BME Assistant Professor **Dr. Alex Reiter**! He received his undergraduate degree from the United States Military Academy and earned his graduate degrees from Washington University in St. Louis.

Dr. Reiter's research interests include investigation of functional adaptations in individuals recovering from musculoskeletal injury during outdoor activities, and assessing treatment strategies in injury models using biological, structural, and novel biomechanical characterization of soft tissue.

He is most excited about teaching biomechanics classes and conducting impactful research here at SLU and was drawn to SLU due to the emphasis on both areas. As for his free time, he enjoys running, any outdoor activities with his wife and kids, hunting, and riding and working on his motorcycle. A fun fact about him is that he has a commercial helicopter pilot license! Please give a warm welcome to him when you see him!

Welcome New Graduate Students

Please help welcome our new graduate students to the BME department!

Welcome **Thesis MS** student **Fatema Jamali** into Dr. Case's lab! She received her bachelor's degree in biomedical science from Southeast Missouri State University in Cape Girardeau, MO.



Welcome **postdoctoral fellow Dr. Samuel Stealey Ph.D.** in Dr. Zustiak's lab! Sam received his doctoral degree in Biomedical Engineering from Saint Louis University under advisor Dr. Zustiak.

Saint Louis Science Center SciFest

Thank you to everyone who attended SciFest hosted by the Saint Louis Science Center on Saturday August 12, where some of our graduate students participated in outreach in educating the public about biomedical engineering and introducing the department's research. The event was amazing so please check out the pictures and consider participating and attending other SLSC events this semester! Way to go!



Welcome **Thesis BS/MS** student **Patrick Hinkle** into Dr. Reiter's lab!

Welcome **Non-Thesis BS/MS** students **James Baker** (seen to the right) and **Rose Viguerie** (not pictured).



Welcome **Non-Thesis MS** student **Thomas Zawalski!** He obtained his bachelor's degree in biomedical engineering from the University of Missouri in Columbia, MO.

Welcome **PhD student Allison Baumgartner** to Dr. Sell's lab! Allison received her bachelor's degree in Bioengineering from Clemson University in Clemson, SC.

