

SLU BME Newsletter

February 2024

School of Science and Engineering | Saint Louis University



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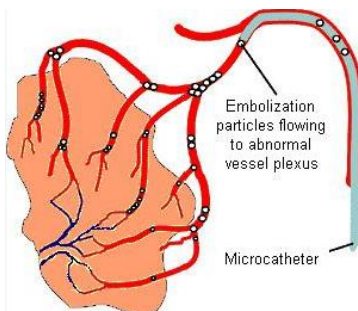


Professional Service

Dr. Zustiak joined the Editorial Board for Tissue Engineering Part B: Reviews, Mary Ann Liebert Publications. This is the official journal for the Tissue Engineering and Regenerative Medicine International Society (TERMIS). With an impact factor of 6.4 and a cite score of 12.2, it is the premier peer-reviewed journal for groundbreaking reviews on all aspects of tissue growth and regeneration, including broad-ranging coverage that spans bioengineering, stem cell research, government policy, and more.

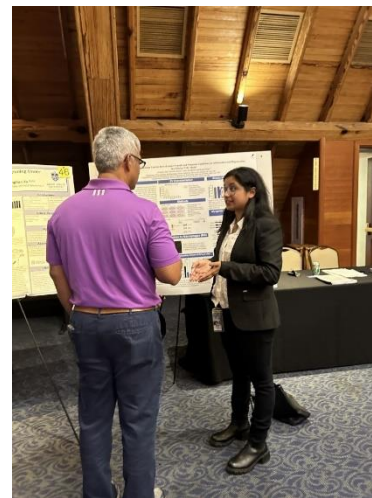


Dr. Zustiak also became a scientific advisor for and signed a 1-year contract for \$12,500 with Gravita Bioscience, LLC in Providence, RI to help them develop degradable embolization beads.



Conference Awards

Avantika Jain, Garg Lab, was the poster prize winner in the graduate category at the SLU BIO-CHEM Research Symposium in December 2023 for her poster “The Impact of Extracellular Vesicles derived under Hypoxic and Normoxic Conditions on Inflammation and Muscle Regeneration” with co-authors Johnson D, Kornbluth J, and Garg K.



Graduate Student Updates

Avantika Jain, Garg Lab, passed her PhD Candidacy Exam on November 30th, 2023 and became PhD candidate.

New BME Lab Update

The Musculoskeletal Biomechanics Lab held its inaugural lab meeting last week. Dr. Alex Reiter joined the department last fall with plans to perform ground-breaking research optimizing treatment strategies for musculoskeletal injuries. The department is looking forward to seeing what his lab will accomplish.



Pictured from left to right: Raghav Yalamanchili, Alex Reiter, Patrick Hinkle, Libby Steilen, Brietta Coen

New Graduate Student

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

Hanieh Shokrani, who joined **Dr. Zustiak's lab** in January 2024 as a **PhD student**. Hanieh has a BS in Polymer Engineering from the University of Tehran and an MS degree in Chemical Engineering from Sharif University of Technology in Iran. Hanieh will work on developing super lubricious hydrogel microspheres for the treatment of osteoarthritis.



February BME Seminars

Date: Every Wednesday (see dates below)

Time: 3:30 PM-4:45 PM

Location: BME 1004

Guest Speaker – BME Secondary Faculty

1/31/24 Johnathan Fisher, Ph.D. – Professor, Biology

Case Lab – Orthopaedic Tissue Engineering

2/7/24 Ahmed Mahmoud (B.S./M.S Student) and Gabbie Coronado (B.S./M.S. Student)

Garg Lab – Musculoskeletal Tissue Engineering

2/14/24 Connor Tobo (B.S./M.S Student) and Jamshid Tadiwala (Ph.D. Student)

Guest Speaker – BME Secondary Faculty

2/21/24 Jenna Gorlewicz, Ph.D. (Associate Professor, Mechanical Engineering)

Guest Speaker – BME Secondary Faculty

2/28/24 Keith Pereira, M.D. (Assistant Professor, Radiology)

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