

NEWSLETTER



SAINT LOUIS UNIVERSITY

DEPARTMENT OF BIOMEDICAL
ENGINEERING

IN THIS ISSUE

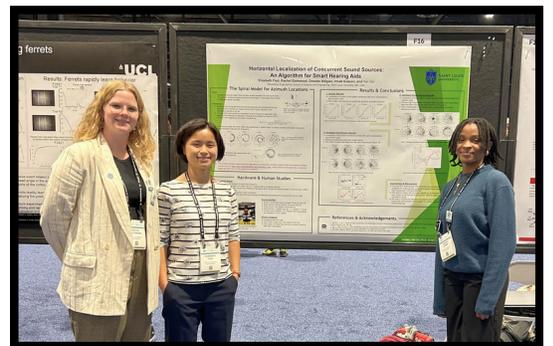
- Year in Review
- Jain Award
- BME Seminar Schedule
- BME Holiday Party
- Holiday Grad Event
- UG Exp. Learning App
- SSE Mentor Collective
- Alumni Questionnaire
- BME Newsletter Access

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BME 2024 - YEAR IN REVIEW

We hope you'll enjoy looking back at the highlights of what SLU BME accomplished in 2024. We are very proud of our faculty and students and can't wait to see what 2025 has in store!



BME 2024 – YEAR IN REVIEW CONTINUED



CONFERENCES – BME faculty and students traveled near and far to present their research and/or attend conferences. Check out where we went below!

- Orthopedic Research Society Annual Meeting – Long Beach, CA
- American Physical Therapy Association Combined Sections Meeting – Boston, MA
- Association for Research in Otolaryngology Midwinter Meeting – Anaheim, CA
- National Center of Neuromodulation for Rehabilitation Showcase Symposium – Virtual
- International Symposium on Regenerative Rehabilitation – Boston, MA
- American Society for Biochemistry and Molecular Biology Annual Meeting – San Antonio, TX
- American Chemical Society Spring Meeting – New Orleans, LA
- Musculoskeletal Research Center Symposium – St. Louis, MO (Washington University)
- Society for In Vitro Biology Annual Meeting – St. Louis, MO
- World Biomaterials Congress – Daegu, Korea
- Tissue Engineering and Regenerative Medicine International Society World Congress – Seattle, WA
- Institute for Drug and Biotherapeutic Innovation Research Symposium – St. Louis, MO (SLU)
- Biomedical Engineering Society Annual Meeting – Baltimore, MD
- Society for Women Engineers Annual Conference – Chicago, IL
- Society for Neuroscience Annual Conference – Chicago, IL
- International Online Conference on Bioengineering – Virtual



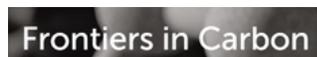
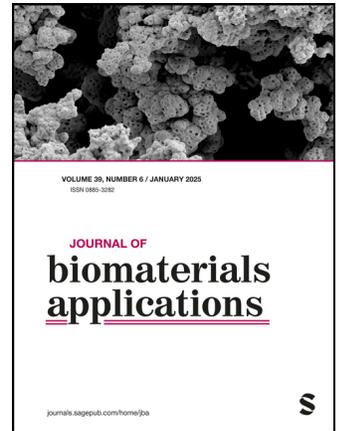
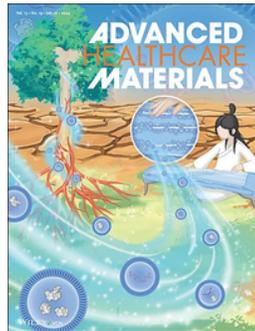
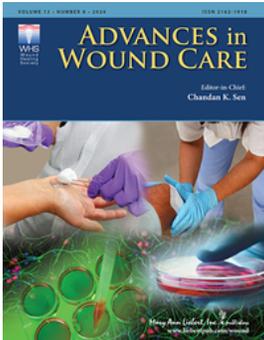
42 STUDENT POSTER PRESENTATIONS



11 STUDENT ORAL PRESENTATIONS



PUBLICATIONS – Faculty and student research was published in 11 different journals.



BME 2024 – YEAR IN REVIEW CONTINUED



OVER \$1,400,000

AWARDED IN GRANTS TO BME FACULTY

OVER \$18,000

AWARDED TO BME STUDENTS FOR THEIR RESEARCH/ACCOMPLISHMENTS



SPEAKING ENGAGEMENTS – BME faculty members were invited speakers to the following universities and conferences.



OUTREACH – SLU BME and BMES participated in a variety of events to educate community members about the field of biomedical engineering, which included hosting high school student groups and being a part of SciFest at the St. Louis Science Center. Additionally, we welcomed industry professionals to SLU BME to learn more about their work and the different career paths a biomedical engineering graduate can take.



PH.D. STUDENT IN GARG'S LAB RECEIVES BEST Q & A AWARD



Congratulations to Avantika Jain, Pharmacology and Physiology Ph.D. student, who received the Best Question and Answer Handling Award at Saint Louis University's Institute for Translational Neuroscience's Trainee Talk on October 11, 2024. Avantika works in the Musculoskeletal Tissue Engineering lab of Dr. Koyal Garg, BME Associate Professor. Avantika gave a 5-minute talk on her research and had three minutes to answer any questions from the audience and judges. Great work, Avantika!



Institute for Translational
NEUROSCIENCE



BME SPRING SEMINAR – JANUARY/FEBRUARY SCHEDULE

The BME department hosts a weekly seminar that features invited speakers from academia and industry as well as SLU biomedical engineering graduate students. The seminar is a great opportunity to learn about the latest research taking place broadly in the biomedical engineering field and the amazing work our graduate students are performing at SLU. Sign up [here](#) to receive BME Seminar announcements for upcoming speakers. This is separate from our newsletter distribution list.

1/15 No seminar – First week of classes

1/22 Feng Zhang, Ph.D. and Sicheng Chen, Ph.D., Postdoctoral Researchers, Chemical and Biomedical Engineering, Mizzou

1/29 No seminar

2/5 No seminar – Wellness Day

2/12 Fatma Jamali and James Baker, SLU BME Graduate Students

2/19 Jasenka Verbarg, Ph.D., External Partnerships, MilliporeSigma

2/26 Michael Borovik and Patrick Hinkle, SLU BME Graduate Students



BME STUDENT HOLIDAY PARTY



BME faculty hosted students on Dec. 6th to celebrate the holiday season and the end of another semester. Activities included snacking on favorite holiday treats brought by the faculty, taking Polaroid pictures with friends, and adding a “BME wish” to the Christmas tree. Additionally, three lucky students walked away with Amazon gift cards.



BME GRADUATE EVENT - MAPLEWOOD CHRISTMAS TREE WALK



BME Faculty and Graduate Students enjoyed getting into the holiday spirit at the Maplewood Christmas Tree walk on December 6th. It was a great way to de-stress before heading into the final two weeks of the semester.

SLU Department of Biomedical Engineering
BME Research and Experiential Learning
Opportunities for Undergraduates

Are you interested in experiential learning opportunities in BME?

- Work closely with professors and graduate students on impactful research
- Acquire exposure to hands-on applications in improving healthcare
- Apply class knowledge to real-life situations
- Develop lab skills
- Gain resume experience

Research Areas

- +Biomaterials
- +Biomechanics
- +Mechanobiology
- +Neuroengineering and Brain Computer Interface
- +Regenerative Engineering
- +Scaffold Production
- +Tissue Engineering



Scan me for faculty profiles!

CALLING ALL UNDERGRADUATES!

Are you eager to collaborate with professors and graduate students on impactful research? Want to gain hands-on experience that's advancing healthcare? Looking to develop lab skills and boost your resume? Apply for the BME Research and Experiential Learning Opportunities for Undergraduates! This program offers a unique chance to immerse yourself in meaningful research and practical applications. Don't miss out! Click [here](#) to fill out the application and then submit your resume to biomed@slu.edu.

THE MENTOR COLLECTIVE FOR UNDERGRADUATES AND ALUMNI!

We're calling on valued members of our community to serve in Saint Louis University's School of Science and Engineering Mentor Collective Alumni Network! This program matches undergraduate sophomores, juniors, and seniors with mentors like you who have been in their shoes and know first-hand what it's like to learn at SLU. Click [here](#) to sign up to be a mentor.

**CONNECT.
INSPIRE.
MENTOR.**

Join the Mentor Collective Alumni Network at SLU's School of Science and Engineering today.

Register:

ATTENTION BME ALUMNI

Are you a SLU BME Alumni? If so, we'd like to invite you to fill out the form below to give us your updated contact information (email) and tell us where you have landed after graduation. With your permission, we would love to highlight your career achievements and stay connected with you in the future!

[BME ALUMNI FORM](#)

BME NEWSLETTER ACCESS



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