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Department of **BIOMEDICAL ENGINEERING**

JOHN AND MARCIA PRICE COLLEGE OF ENGINEERING
THE UNIVERSITY OF UTAH

A Message from the Chair



Campus is bustling with the traditional functions and frenetic activities of a typical Fall semester. It is indeed encouraging to witness a return to relative normalcy, physical presence of student crowds and conversations, and workplace routines that are cherished after the 2-year COVID disruption. Our University of Utah campus is fully back to being our University of Utah campus!! So comforting and without many perceptible legacies of the past two-year pandemic alterations. I'm enjoying the fellowship of our classrooms, faculty-student engagement in teaching, intellectual banter, discovery in the lab and classroom, critical thinking, and fully being and producing what our university is meant to be and do for all! I'm also pleased to direct a department that uniquely represents biomedical engineering in the State of Utah. We consistently educate so many students who find

rewarding positions in Utah medtech companies, or go on to further education in medicine, law, dentistry, or engineering. We continue long-standing efforts to integrate with our Health Science colleagues and clinicians in our education and collaborative research, and to produce innovations and exciting discoveries that yield improved healthcare and treatment modalities for patients.

Your exploration of the Fall 2023 BME newsletter will introduce you to:

- Salt Lake City's unique Recursion Pharma and BME alum Chris Gibson as their charismatic CEO making global headlines;
- BME Faculty Jessica Kramer's new Young Investigator Award;
- Introductions to our latest BME faculty additions and their expertise: Al Ng and Amy Lenz;
- The fascinating, ground-breaking, innovative clinical use of ultrasound energy to treat depression, PTSD, and other possible disorders from BME faculty Jan Kubanek;
- BME student David Jiang's prominent teaching award in our biomechanics course;
- BME student Britney Chen's award for outstanding College leadership;
- BME PhD student Nick Whitham's interesting twist on renewable energy innovation;
- Re-emergence of BME's traditional regional Utah Biomedical Engineering Conference on campus and in-person;
- My own Chair's opining on some global trends in bioengineering research;
- A general informational piece on uses of AI;
- Remembering John Warnock who passed August, 2023;
- The College of Engineering's new Dean's Search kick-off.

and more!

I hope you enjoy learning about latest, exciting and inspiring goings-on in our vibrant Utah BME!

Happy Fall 2023!

David W. Grainger, Ph.D.

University Distinguished Professor and Chair

Ole and Marty Jensen Endowed Chair

Utah Biomedical Engineering



**An interview with
UBME Alum and
Recursion CEO,
Chris Gibson, Ph.D.**

[Read more here](#)



**Faculty Jessica
Kramer receives
the 2023 David Y.
Gin Young
Investigator Award**

[Read more here](#)



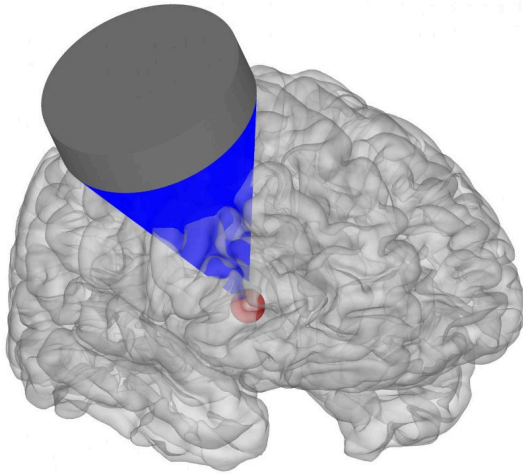
Faculty AI Ng uses multiscale biotechnology and computational methods to gain new information from disease

[Read more here.](#)



New joint Orthopaedics / Biomedical Engineering Faculty Lenz can walk the walk

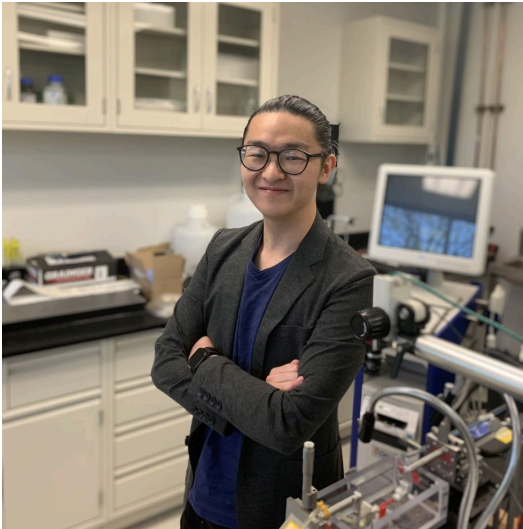
[Read more here.](#)



Wired for sound: Jan Kubanek

Read about Dr. Kubanek's innovative research on noninvasive, drug-free therapy for mental health.

[Read more here](#)



David Jian received 2023 Thomas G Stockham Medal for Conspicuously Effective Teaching

[Read more here](#)

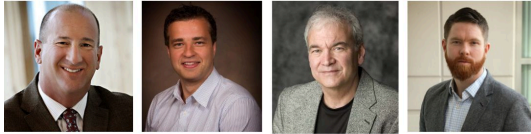


18th Annual Utah Biomedical Engineering Conference (UBEC) bounces back from Covid Era!

[Read more here](#)



Dr. Jessica Kramer Dr. Robert MacLeod Dr. Tara Deans Dr. David Warren



Dr. Jeffrey Weiss Dr. Jan Kubanek Dr. Patrick Tresco Dr. Robert Bowles

BME faculty members recognized as "Top Performers" in the College of Engineering during the 2022-2023 academic year

[Read more here](#)



Britney Chen receives 2023 Outstanding Undergraduate Student Leadership Award

[Read more here](#)



BME grad student Nicholas Witham wins Wilkes Center Student Innovation Prize

“To me, winning the Wilkes Prize is validation that my renewable energy idea has merit and that I should keep working to realize this technology.”

[Read more here](#)



Biomedical Engineering Chair David Grainger on how the biomedical engineering field is accommodating new advances in technology

[Read the full interview here](#)



Guidance on the use of AI in research

Can AI be listed as an author? Can AI be used in writing and/or developing manuscripts? Guidance on these questions and more from the Office for the Vice President for Research.

[Read more here](#)



Remembering John Warnock

John Warnock, University of Utah alumnus, computer graphics pioneer, and co-founder of Adobe, passed away on August 19, 2023. He was 82 years old.

[Read more here](#)



College of Engineering searches for next Dean

[See the announcement of the search here.](#)

[Stay up to date on the search here.](#)



U reaches Top 10 in new Wall Street Journal Rankings

[Read more here](#)

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Utah Biomedical Engineering 2023 October Fall Newsletter

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