



Society For Biomaterials



**2024 SFB  
SOUTHWEST  
SYMPOSIUM**

September 19-20, 2024 • The University of Texas at Austin

## **Regional Symposium Co-Chairs:**

Stephanie Seidlits, *Ph.D., University of Texas at Austin*

Janet Zoldan, *Ph.D., University of Texas at Austin*

## **Program Committee:**

John Clegg, *Ph.D., University of Oklahoma*

Teja Guda, *Ph.D., University of Texas at San Antonio*

Binata Joddar, *Ph.D., University of Texas at El Paso*

Kevin McHugh, *Ph.D., Rice University*

Shreya Raghavan, *Ph.D., Texas A&M University*

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# **2024 SFB SOUTHWEST SYMPOSIUM**

**Hosted by  
The University of Texas at Austin  
September 19-20, 2024**

The Society For Biomaterials is a multidisciplinary society of academic, healthcare, governmental and business professionals dedicated to promoting advancements in all aspects of biomaterial science, education and professional standards to enhance human health and quality of life.

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# SEPTEMBER 19, 2024

- 8:15**      **Registration / Check-in: (POB Lobby)**
- 8:30**      **Breakfast (POB Lobby)**
- 8:45**      **Welcome by Site Chairs: Avaya Auditorium (POB 2.302)**
- 9:00**      **Single Track Session I - Cancer: (POB 2.302)**  
**Moderators: Shreya Raghavan and Kevin McHugh**  
Daniel Harrington, *UT Health School of Dentistry*  
Shreya Raghavan, *Texas A&M University*  
Elizabeth Lipke, *Auburn University*  
Stephanie Seidlits, *The University of Texas at Austin*
- 10:30**      **Plenary Session I: (POB 2.302)**  
Shana Kelley, *Northwestern University*  
Joel Collier, *Duke University*
- 11:45**      **Single Track Session II - Musculoskeletal: (POB 2.302)**  
**Moderators: Teja Guda and Marissa Wechsler**  
Daniel Alge, *Texas A&M University*  
Marissa Weschler, *University of Texas at San Antonio*  
Teja Guda, *University of Texas at San Antonio*  
Elizabeth Cosgriff-Hernandez, *The University of Texas at Austin*
- 1:00**      **Lunch break: (POB Lobby)**
- 2:00**      **Single Track Session III Trainee Rapid Fire Talks: (POB 2.302)**  
**Moderators Janet Zoldan and Stephanie Seidlits**  
Heather Chia-Chien Hsu, *Rice University*  
David Zhang, *University of Texas at San Antonio*  
Christopher Pierce, *University of Oklahoma*  
Sapartashi Biswas, *Texas A&M University*  
Yu-Chi Huang, *Texas A&M University*  
Sogu Sohn, *The University of Texas at Austin*  
Alireza Sohrabi, *The University of Texas at Austin*  
Gabriela Cervantes-Gonzales, *University of Texas at San Antonio*  
Ashley Hicks, *The University of Texas at Austin*
- 3:15**      **Plenary Session II: (POB 2.302)**  
Sarah Stabenfeldt, *Arizona State University*  
Danielle Benoit, *University of Oregon*
- 4:30**      **Poster Session and Reception: Legends Room (Alumni Center)**

# SEPTEMBER 20, 2024

- 8:15**      **Registration / Check-in: (POB Lobby)**
- 8:30**      **Breakfast (POB Lobby)**
- 9:00**      **Single Track Session IV - Nervous System: (POB 2.302)**  
**Moderators: Stephanie Seidlits and John Clegg**  
Zhengpeng Qin, *University of Texas at Dallas*  
Gabriela Romero Uribe, *University of Texas at San Antonio*  
Evan (Huiliang) Wang, *The University of Texas at Austin*  
Michael Moore, *Tulane University*
- 10:30**      **Plenary Session III: (POB 2.302)**  
Elazer Edelman, *MIT*  
Cynthia Reinhart-King, *Rice University*
- 11:45**      **Single Track Session V - Cardiovascular: (POB 2.302)**  
**Moderators: Janet Zoldan and Marissa Wechsler**  
Jane Grande-Allen, *Rice University*  
Abhishek Jain, *Texas A&M University*  
Binata Joddar, *University of Texas at El Paso*  
Janet Zoldan, *The University of Texas at Austin*
- 1:00**      **Lunch break: (POB Lobby)/**  
**AHA Fireside Discussion (POB 2.402)**  
*On the AHA's Role in Technology and Innovation*  
Dr. Patrick Dunn, Program Director of the Center for  
Health Technology & Innovation at the American Heart Association.
- 2:00**      **Single Track Session VI - Immunoengineering & Drug Delivery: (POB 2.302)**  
**Moderators: John Clegg and Kevin McHugh**  
Qian Yin, *The University of Texas at Austin*  
John Clegg, *University of Oklahoma*  
Jennifer Maynard, *The University of Texas at Austin*  
Kevin McHugh, *Rice University*

# WORKSHOPS

## **Trainee Workshop: Measuring Mechanics of Biomaterials**

Graduate and postdoctoral trainees will engage in a hands-on workshop focused on measuring the mechanics of biomaterials. This workshop will focus on shear rheology of soft materials, including hydrogels, peptides, proteins, and colloids. Discussions will surround basic principles, instrument use, and measurement techniques to avoid artifacts.

**Date/Time: September 18, 2024, 2:30 – 4:30 PM**

**Location: Engineering Education Research Center (EER) Second Floor Lobby**

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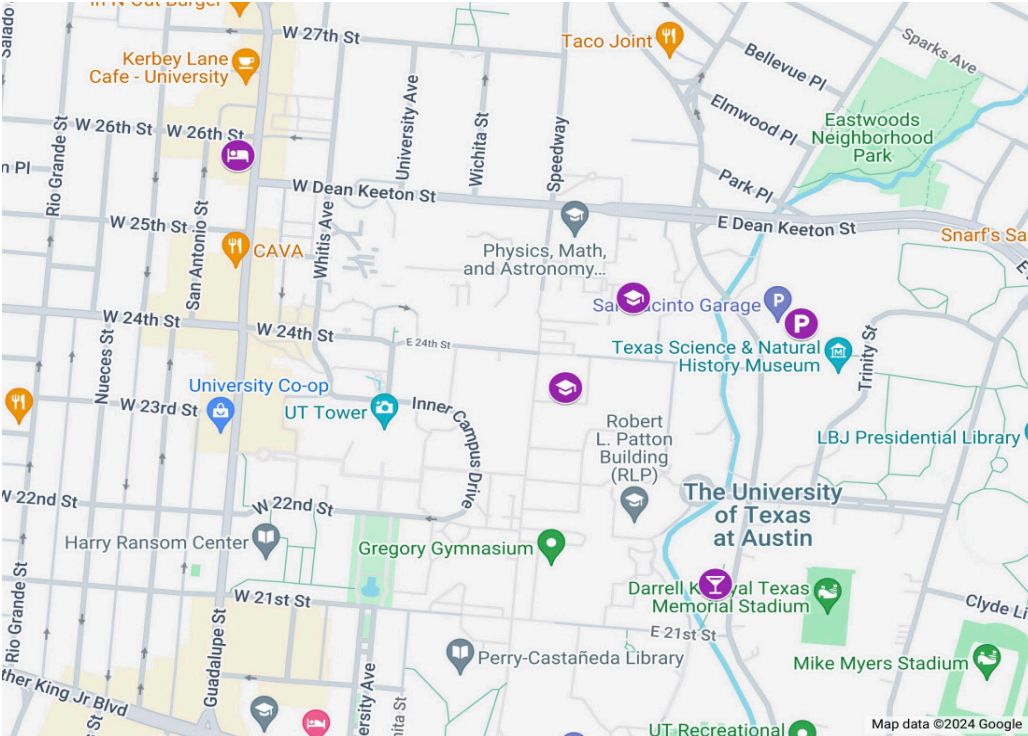
## **Trainee Workshop: Undergraduate Mentorship**

This mentoring workshop will focus on building community. The group will discuss professional development topics, such as applying for graduate school, undergraduate research, and internship opportunities. There will also be ample time for informal networking with graduate or postdoctoral mentors.

**Date/Time: September 20, 2024, 3:30 – 5:30 PM**

**Location: POB 2.402**

# GETTING AROUND



**Interactive Map:** <https://bit.ly/SFBSW2024>

Use this to get around the Forty Acres (and beyond).

# OUR SPONSORS

## GOLD

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The University of Texas at Austin  
**Biomedical Engineering**  
*Cockrell School of Engineering*

## SILVER

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**NORTON ROSE FULBRIGHT**



## BRONZE

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## STUDENT TRAVEL AWARDS

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