

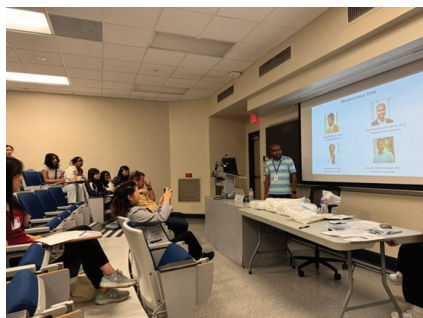
BCM LAB TOUR

July 12 TH, 2024

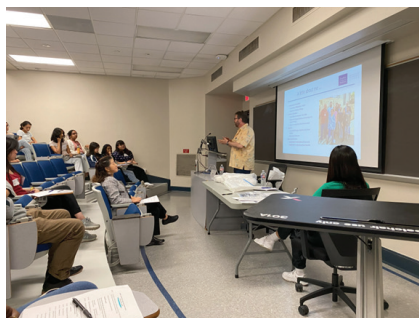
Group Picture at DeBakey Library and Museum



Introductions from Core/ Department Directors



Metabolomics



Flow Core



MS Proteomic



Genomics



RPPA



Breast Center

BCM LAB TOUR

July 12 TH, 2024



Flow core



Genomics



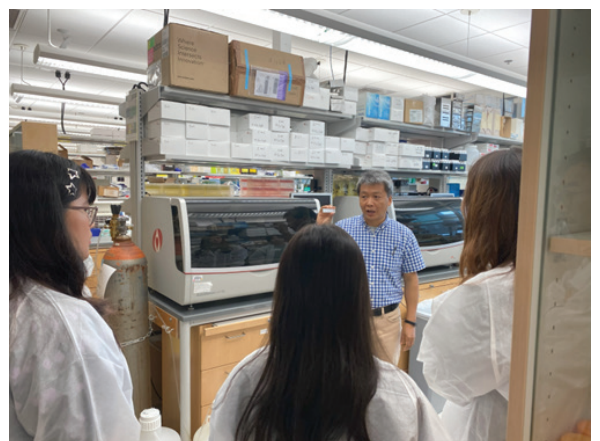
Surgery department



MS Proteomic



Metabolomics



RPPA

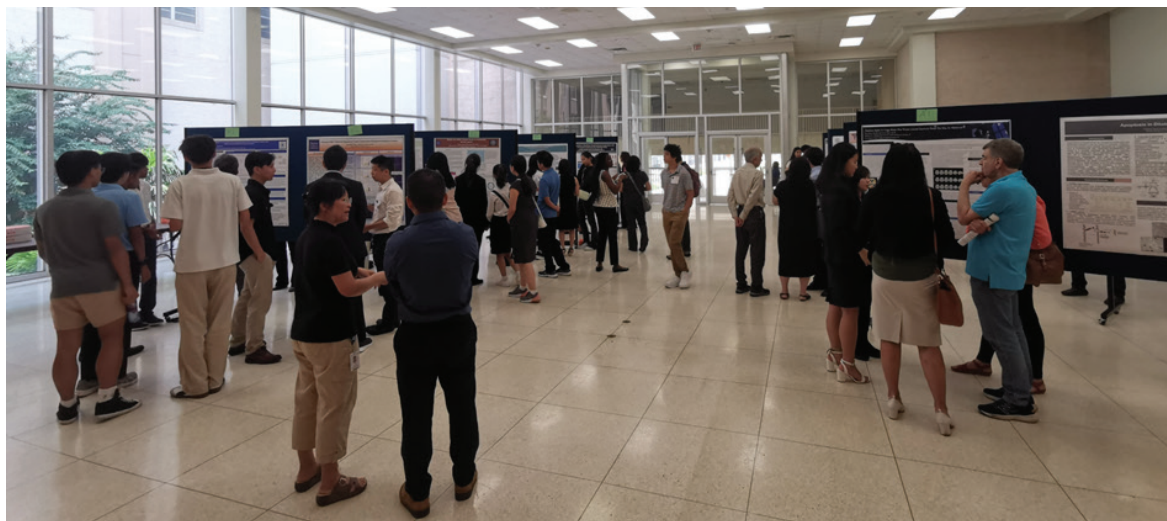
BRITE 2024 Biotechnology Research High School Student Symposium

Oral presentations



BRITE 2024 Biotechnology Research High School Student Symposium

Poster Session



During Symposium at Cullen Auditorium



BRITE 2024 Biotechnology Research High School Student Symposium

The BRITE Biotechnology Research High School Student Symposium offers all high school students an opportunity to explore biotechnology and biomedical research through an interactive scientific symposium at Baylor College of Medicine in Houston's Texas Medical Center. The program features keynote speeches with a primary focus on presentations by high school students. For those with prior research experience, the symposium provides a chance to organize research into a structured abstract and present it in a poster or PowerPoint format to peers and mentors. While submitting an abstract and presenting is encouraged, it is not mandatory. The program welcomes all high school students.

Additionally, the symposium includes the BRITE-ASPIRATION (AI-guided Scientist-mentored Primary Literature Adaptation for STEMM Education) program. This initiative addresses challenges in secondary school STEMM education by using AI-guided tools to help students comprehend complex scientific articles and produce simplified multimedia stories. Through collaboration between scientists and mentored students, the ASPIRATION program aims to make scientific literature more accessible and enhance STEM literacy.

Through the symposium, participating students will:

- 1) gain insights into scientific conferences;
- 2) learn about biotechnology and biomedical advancements;
- 3) gain experience in scientific presentation;
- 4) enhance their understanding and adaptation of scientific literature; and
- 5) engage in discussion and scientific inquiry. The goal is to stimulate interest in STEM education, particularly in biotechnology and biomedical fields.

BRITE Program Director: Shixia Huang, PhD, Professor, Baylor College of Medicine

Advisor: Xiang "Shawn" Zhang, PhD, Professor and Director, Lester and Sue Smith Breast Center, BCM

BRITE Symposium Organization Steering Committee:

Crystal Shin, PhD, Assistant Professor, Department of Surgery, BCM

Guowei Gu, PhD, Staff Scientist, Lester and Sue Smith Breast Center, BCM

Zaniqua Bullock, graduate student, BCM

Sara Adio-Oduola, Biomedical Engineering Undergraduate Student, UT Austin

Sophie Zhang, Awty International High School, Houston, Texas

Michael Nguyen, MS, Research Assistant, Advanced Technology Cores, BCM

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LESTER & SUE SMITH
BREAST
CENTER

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All research mentors and ASPIRATION mentors, Baylor College of Medicine

Lester and Sue Smith Breast Center, Baylor College of Medicine

Advanced Technology Cores, Baylor College of Medicine

Huffington Center on Aging Communications & Community Outreach,
Baylor College of Medicine

Shandong Fellowship Association of Southern USA, Houston

**For more information about
upcoming program in 2025, please
email BRITE@bcm.edu
or visit our website using the QR
code here.**

