

BioEng4Youth Presents...

BioHacks

Sponsorship
Package



About Us

The logo for BioEng4Youth is a circular emblem with a teal background. It features a stylized DNA double helix on the left, with the text "BioEng" in a white, sans-serif font above "4Youth" in a smaller, white, sans-serif font. The "4" is slightly larger and positioned between the two words.

BioEng
4Youth

BioEng4Youth is an international student-run organization with a dedicated team of high school and university students running large-scale events to empower the next generation of STEM students

A decorative horizontal band consisting of a complex, interconnected network of hexagons and lines in shades of teal and yellow, resembling a molecular or cellular structure.

Our Mission

“Empower youth in medicine & biotech through research, outreach & innovation.”



Our Impact

International Research Case Competition 2025

Bridging engineering innovation with real-world clinical needs in rural, underserved communities in Global Maternal Health



100+
submissions



International

Top 8 Submissions Published on URNCST

An In-Depth Analysis of Low-Cost Portable Ultrasound Devices: Improving Maternal Health in Rural and Underserved Communities

Armita Bagheri [1], Kimmy Kwok [2]

[1] Department of Cellular and Physiological Sciences, University of British Columbia, Vancouver, British Columbia, Canada V6T 1Z4

[2] Department of Biochemistry, University of British Columbia, Vancouver, British Columbia, Canada V6T 1Z4

In underserved communities, the greatest health burdens fall upon expectant mothers. Their health outcomes often depend on the medical opportunities accessible to them, such as routine examinations. The usage of low-cost portable ultrasound devices has been shown to significantly benefit expectant mothers in rural areas through earlier detection of complications, leading to a reduction in maternal mortality and morbidity. As the use of

Portable Ultrasound for Maternal Health: Bridging Gaps in Rural and Low-Income Communities

Iffat Iqbal [1], Don Tran [2], Jeffrey Zhu [3]

[1] University of California Davis, Davis, California, United States of America 95616-8678

[2] Department of Biological Sciences, University of Toronto Scarborough, Toronto, Ontario, Canada M1C 1A4

[3] Faculty of Applied Science & Engineering, University of Toronto, Toronto, Ontario, Canada M5T1P8

In spite of technological advancements in today's healthcare industry, maternal mortality remains disproportionately high in low and middle-income countries, where approximately 700 women die every day from preventable pregnancy-related causes. Despite its role as a

Transforming Maternal Healthcare: Reducing Inequities Through Portable Ultrasound

Felice Law [1], Chloe Yip [2], Yuriko Yong [1]

[1] Department of Health Sciences, McMaster University, Hamilton, Ontario, Canada L8S 4L8

[2] Department of Science, McMaster University, Hamilton, Ontario, Canada L8S 4L8

Despite the ultrasound's role as a mainstay in modern prenatal care practices in most high-resource countries, limited access to ultrasound remains a barrier in rural and underserved communities. Many of these populations face inequities driven by financial constraints, long travel distances, and limited education, resulting in a gap in maternal health outcomes. This paper examines the effectiveness of portable ultrasound in overcoming the above obstacles and how this may alleviate the maternal healthcare disparities in low-resource communities. Implementing low-cost portable ultrasound devices also involves more than providing the

Integrating Psychological & Physiological Insights to Optimize Low-Cost Portable Ultrasound for Maternal Health in Rural Communities

Shamim Sadat Sharif

Faculty of Arts & Science, University of Toronto, Toronto, Ontario, Canada M5T1P8

Maternal mortality in rural and underserved communities remains a critical global health challenge, exacerbated by limited access to diagnostic tools and high levels of perinatal psychosocial stress. Low-cost portable ultrasound presents a promising technological intervention. This review synthesizes recent evidence to propose a novel, integrated model for deploying portable ultrasound that addresses both physiological risks and psychological well-being. A narrative literature review was conducted, analyzing peer-reviewed studies on point-of-care ultrasound, perinatal stress physiology, and community-based health interventions. The

BioHacks Overview

An interdisciplinary hackathon where students collaborate in teams to develop a solution to a real-world neurodegenerative patient case

Tentative Goal Metrics



150+
Attendees



University
Students



Fall 2026



McMaster
University

How it Works

1

Recieve
Case

2

Develop
Solution

3

Prepare
Pitch

4

Pitch to
Judges

Sponsorship

Why Sponsor Us?

- Social Media Promotion
- Access to students from top universities
- Empower the new generation of thinkers and learners in bioengineering

Sponsorship Tiers

Platinum Tiers

Inquire Today

\$2000

- Early Resume access
- 5 on-site recruiters
- Large network booth
- Featured social media promotion
- Host a workshop
- Judge & speaker opportunity

\$1000

- Resume access
- 2 on-site recruiters
- Standard network booth
- Standard social media promotion
- Judge opportunity

\$500

- Limited resume access
- 1 on-site recruiter
- Standard social media promotion
- Participant analytics

Detailed Sponsorship Perks



	MINIMUM	BRONZE \$500	SILVER \$1000	GOLD \$2000 <small>POPULAR</small>	PLATINUM Inquire us!
RECRUITING					
RESUME BANK ACCESS		LIMITED	●	●	●
ON-SITE RECRUITERS		1	UP TO 2	UP TO 3	UP TO 4
RESUME REVIEW SESSIONS				●	●
MARKETING					
LOGO ON WEBSITE		BASIC	STANDARD	TOP	TOP
EMAIL BANNER PLACEMENT			BOTTOM	TOP	TOP
SOCIAL MEDIA PROMOTION		STANDARD	STANDARD	FEATURED	FEATURED
CEREMONY RECOGNITION		●	●	●	●
BRANDING ON EVENT MATERIALS		●	●	●	●
TECHNOLOGY & PRODUCT					
CUSTOM CHALLENGE STREAM					Inquire
WORKSHOP HOSTING				●	●
EVENT PRESENCE					
NETWORKING BOOTH			STANDARD BOOTH	LARGE BOOTH	LARGE BOOTH
JUDGING OPPORTUNITY			●	●	●
SPEAKER OPPORTUNITY			●	●	KEY NOTE
SPECIAL BENEFITS					
PARTICIPANTS ANALYTICS ACCESS		●	●	●	●
CO-HOST LEVEL INFLUENCE					Inquire
ADD-ONS	UPON INQUIRY				



CONTACT THE SPONSORSHIP TEAM

✉ outreach@bioeng4youth.ca

📱 [@bioeng4youth](https://www.instagram.com/bioeng4youth)



CONTACT OUR SPONSORSHIP TEAM

 outreach@bioeng4youth.ca

 bioeng4youth@gmail.com

 [@bioeng4youth](https://www.instagram.com/bioeng4youth)