



***and The Biomechanics Initiative proudly present:***

## **THE BRAZILIAN BIOMECHANICS EXPERIENCE**

### **What?**

The early engagement of high school students with science is an important step in higher education. In Brazil, some research laboratories are open for high school students (age from 15 to 18 on average) to join the laboratories and be part of the scientific development. They observe, they participate, they learn about science, and one of the main goals of this initiative is to increase their interest to join the university when finishing high school.

The Biomechanics Experience is a pilot project launched by The Biomechanics Initiative, Inc (the governing body for National Biomechanics Day, [Website](#)) to encourage the long-term engagement of young students with biomechanics. We want to promote an experience that starts with the early engagement of these youngsters with biomechanics during school and will continue until they attend their first Brazilian Congress of Biomechanics.

### **How?**

The Brazilian Society of Biomechanics ([BSB Website](#)) will sponsor an online symposium dedicated to promote biomechanics popularization among high school students enrolled in the “Junior Scientific Initiation Programs,” ([Website](#)) from Brazilian Universities (funded or not by research agencies). The students will be invited to share their experiences while participating in biomechanics research. The students sharing their experiences will receive a Biomechanics text book. When the event is finished, a committee of professors and graduate students invited by the BSB will award up to five (5) students with a USD \$250 travel award to attend the 2021 Brazil in Congress of Biomechanics.

### **When?**

The online symposium will take place in a future date between December 2020 and March 2021. It will be widely advertised online and registration will be free. Activities will be streamed using an online platform. Students will be invited to register and submit a short report of the activities they perform in the biomechanics lab. The follow timetable is proposed:

- Launch of The Biomechanics Experience on October 12, 2020.
- Online Symposium registration opens November 1, 2020
- High school research experience report submitted by December 15, 2020.
- Online Symposium happens: March 15, 2021
- Students awarded: March 31, 2021
- Brazilian Congress of Biomechanics: September 2021

### **What we want:**

The Biomechanics Initiative wants to support students who are finishing high school and participating in biomechanics laboratories to learn more about our science, join university in careers that involve biomechanics and have an early introduction to the Biomechanics field by participating in the Brazilian Congress of Biomechanics while in the first year of their university studies.

The Biomechanics Initiative & National Biomechanics Day: Where Science Meets Fun  
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