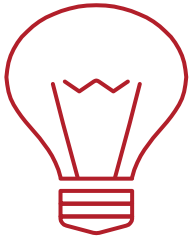


SensUs

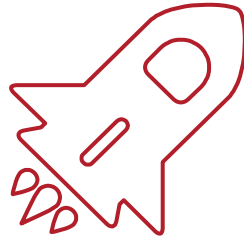
Student Competition 2023

The goal of SensUs



Vision

- Personalized medicine
- Monitoring health rapidly and accurately for everyone



Mission

- Stimulating the development of biosensors and education in a competitive manner

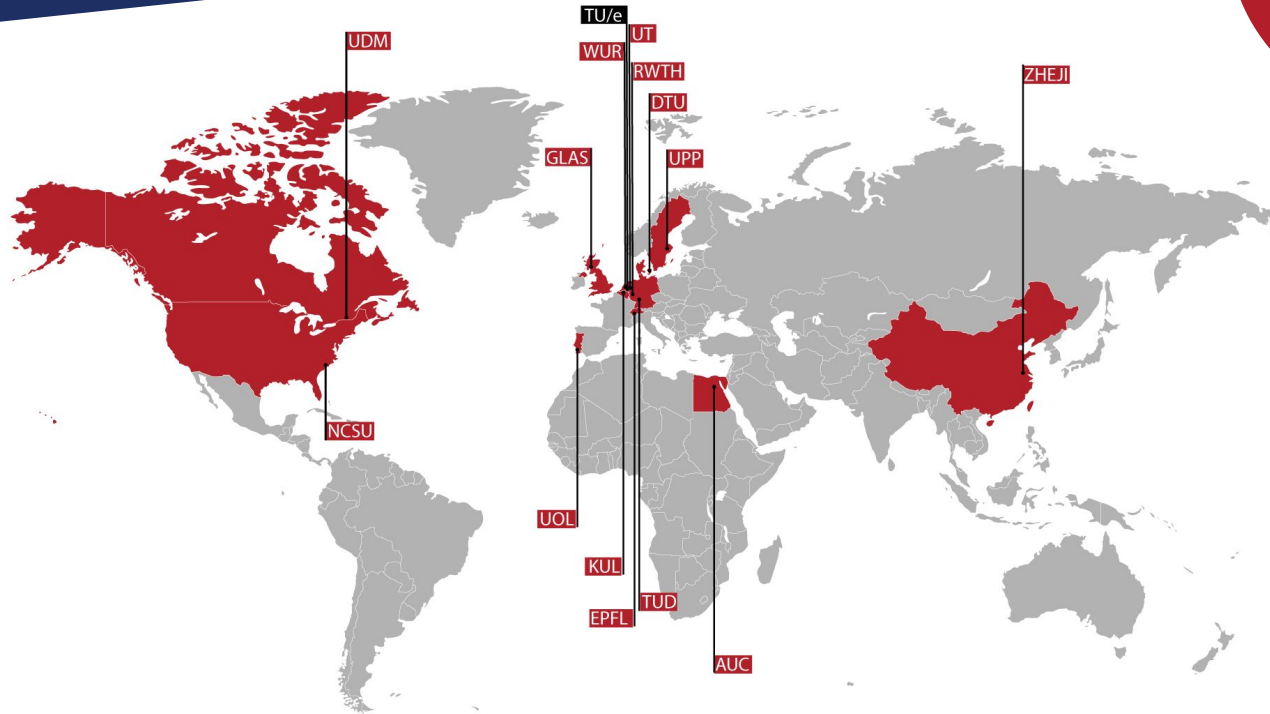


Objective

- Choosing a societally impactful theme and biomarker
- Collaborating with stakeholders to organize a great event

International student competition

4 Continents,
11 Countries
14 Universities



What have we done so far?



2016
Creatinine



2017
NT-proBNP



2018
Vancomycin



2019
Adalimumab



2020
Valproate



2021
Influenza



2022
Acute
inflammation



SensUs

Aftermovie SensUs 2022



150 students
10.000 voters

What are we going to do in 2023?



2016

Kidney failure



2017

Heart failure



2018

Antibiotics



2019

Rheumatic
disease



2020

Epilepsy



2021

Respiratory
viruses



2022

Acute
inflammation



2023

Traumatic
Brain Injury

Traumatic Brain Injury

- Traumatic Brain Injury (TBI) is a sudden injury from an external force that causes damage to the brain.
- TBI affects an estimated 27 to 69 million people worldwide per year.
- Brain injuries can be mild, moderate or severe, but most TBIs are mild.

Why do we need a TBI biosensor?

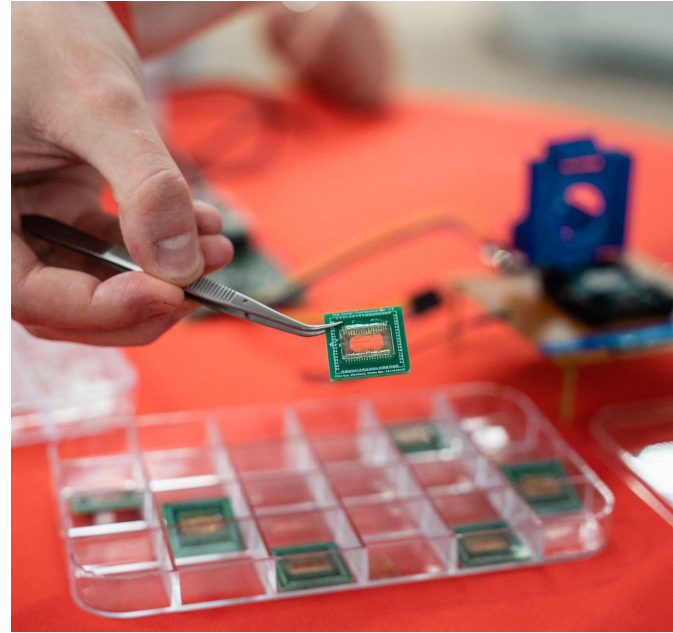
- The effects of TBI can last anywhere from a few hours to an entire lifetime. In some cases TBI leads to death.
- Mild TBI, also known as concussion, is currently poorly defined.
- A biosensor could assist in defining concussion, which will allow for a more specific treatment.
- Current diagnosis methods (MRI and CT scan) are not accurate or specific enough and are very expensive.



What is in
it for you?



Learn how to design and build a biosensor



Get to know international teams and experts



Spread the word about your biosensor



Develop your business skills



Inspire and innovate!





SensUs

See you at the SensUs Event!