



ABOUT US

OUTREACH

THE COMPETITION

OUR DESIGN

BECOME A SPONSOR

PAST SPONSORS

CONTACT US

**SPONSORSHIP
PACKAGE
2020-2021**



ABOUT US

OUR MISSION

Since established in 2018, the McGill BioDesign Team aims to serve the field of healthcare through useful contributions to the world of biotechnology, while creating a peer-based platform for students to grow technically and professionally by gaining research, laboratory and industry experience. This year, we are working on two design projects to showcase at the Biodesign Challenge summit: a water filtration backpack and a lilypad air purifier.

PAST PROJECTS



WIRELESS GLUCOSE SENSOR



BACULOVIRUS GENE THERAPY



WOUND DRESSING

OUR TEAM

2

DESIGN TEAMS

12

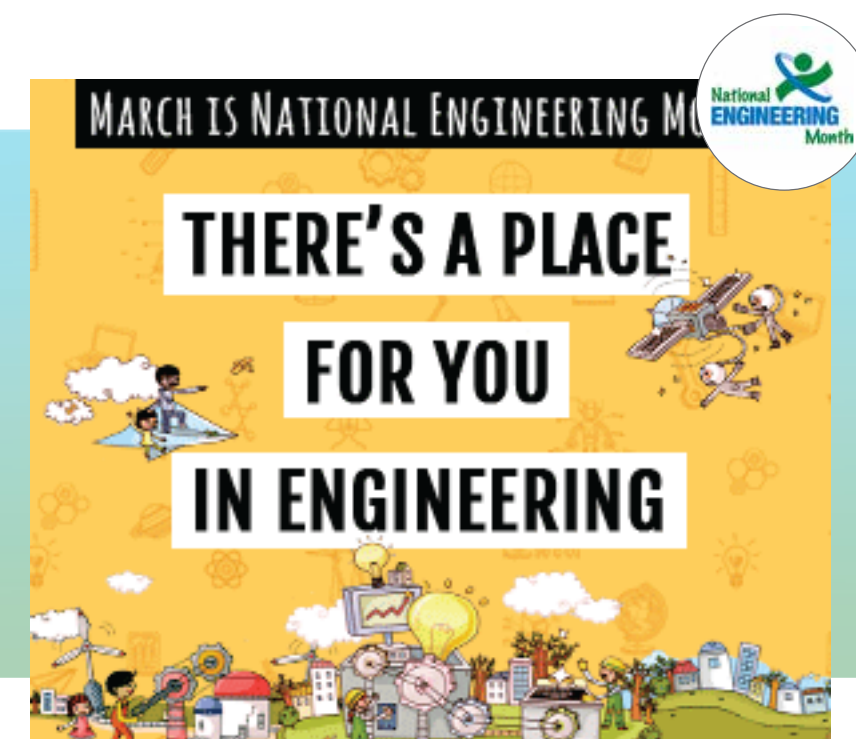
DEPARTMENTS

70

MEMBERS



OUTREACH



McGill Biodesign places a tremendous importance to outreach to various student groups. What are we up to this year?

PROFESSOR WEBINARS IN CEGEPS

SUSTAINABILITY

PROMOTE STEM

DISCUSS BIOENGINEERING DURING NATIONAL ENGINEERING MONTH

WORKSHOPS

HELP ENVIRONMENT WITH THE MTL BOOK PROJECT

GENDER DIVERSITY IN ENGINEERING

VOLUNTEERING FOR INGENIEURS QUEBEC **INTRODUCE BIOENGINEERING TO NEW UNIVERSITY STUDENTS**

COMPETITION



The Biodesign Challenge (BDC) is an international and multidisciplinary design competition involving over 30 schools from 8 different countries. The teams compete by designing projects that incorporate elements of biotechnology and innovative design. The 2021 BDC will be held before an online audience of over 5000, including leading thinkers in academia, industry, art and design. After attending in the 2018 and 2019 summits, we are devoted to come back and win in 2021.



OUR DESIGN



CONTEXT

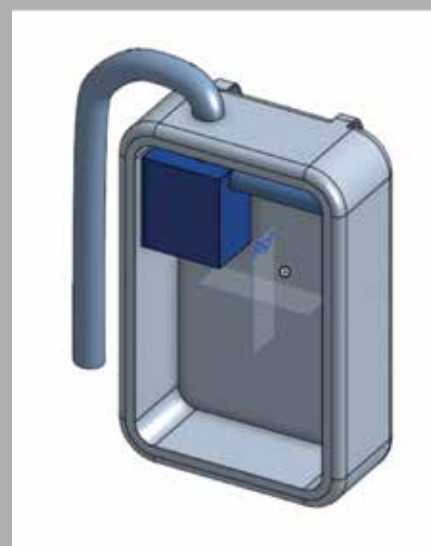
To improve water transportation efficiency and to provide easier access to clean water for communities such as those of Honduras, the team of engineering students will design a water filtration backpack. The project is divided into 4 subteams of brilliant and hard-working undergraduates. While preparing for the 2021 BDC competition, implementing our prototype in communities in need is our two-year time-frame goal.



MACRO FILTRATION

The macroscopic components of the water, such as sand and rocks, will be filtered by a mesh netting at the water input before being pumped into the backpack.

BACKPACK WATER FILTRATION SYSTEM



MICROFILTRATION

Water can be polluted by dirt, bacteria, viruses and other dangerous pollutants, causing a multitude of health problems such as cholera, diarrhoea and polio. At least 2 billion people in the world fall victim to drinking water contaminated with faeces. Through UV irradiation, bacterias, pathogens and viruses will be removed.



BIOMECHANICAL ENERGY

Biomechanical energy will be harvested from walking and will be used to mechanically reduce water turbidity



SENSOR

To ensure that users do not drink the water prematurely, an easily readable sensor will notify the user of when the water is safe to drink.

BECOME A SPONSOR



REASONS TO CONTRIBUTE

OUTREACH

By contributing to McGill Biodesign, you support us in our efforts to **promote engineering to future university students**, and **aid the environment**. We are also striving to **promote gender diversity in engineering** with the McGill student organisation Promoting Opportunities for Women in Engineering (POWE).



HUMANITARIAN IMPACT

The allocation of funds is mainly directed towards building the prototype of the design projects. We are in collaboration with the Water Brigades charity to implement our water filtration backpack in the **Honduras communities** where improving water transportation can drastically improve their health. McGill Biodesign aims to **put your corporate logo on the backpack**, allowing them to **see the companies that helped improve their lives**.



RECOGNITION

McGill Biodesign will put your company logo in the **posters and banners displayed at the BDC summit** before an audience of **over 5000 people**. You will also be displayed on our **website, T-shirts**, and so much more. Attain the **opportunity to gain widespread recognition** in the **academic and industry populace**!



PUBLICITY & NETWORKING

McGill Biodesign is committed to **distribute your advertisements** around the **McGill campus** through our **weekly/monthly email newsletter**, and **recommend your products & services** to our academic and industrial reach.



BECOME A SPONSOR



\$2000+

PLATINUM



Catalogue of CVs of executive team members



X-Large company logo on:

- website
- front of team clothing
- event banners (BDC, cegeps, campus, etc.)
- project posters
- backpack device



Reoccurring and individualized recognition on social media and website

Weekly newsletter about company and product promotion during meetings

Company infosession and networking event hosted by the team

\$1000+

GOLD



Catalogue of CVs of executive team members



Large company logo on:

- website
- front of team clothing
- event banners (BDC, cegeps, campus, etc.)
- project posters



Individualized recognition on social media and website

Monthly newsletter about company and product promotion sent to students

\$800+

SILVER



Catalogue of CVs of executive team members



Medium company logo on:

- website
- team clothing
- event banners (BDC, cegeps, campus, etc.)
- project posters



Recognition on social media and website

\$500+

BRONZE



Catalogue of CVs of executive team members



Small company logo on:

- website
- team clothing
- event banners (BDC, cegeps, campus, etc.)
- project posters

Non monetary support and donations will be given a platinum, gold, or silver status depending on the estimated value of contribution. Non-monetary supports are provided primarily through technical expertise support, raw materials and electromechanical component donations, equipment donations and/or rentals, and facility rentals.



PAST SPONSORS

A shoutout to all our sponsors, without whom we would never have made it this far:





CONTACT US



Lena Kozarov
External Affairs Coordinator



Justin Kashi
VP External



Emma Martin
External Affairs Coordinator

FIND US



/McgillBiodesign



@mcgillbiodesign



www.linkedin.com/company/mcgill-biodesign-team/



vpexternal.biodesign@mcgilleus.ca