

RULES FOR DESIGN COMPETITION: INNOVATION SHOWCASE

The Institute for Biomedical Engineering, Science, and Technology (“iBEST” and the “Sponsor”) is hosting a Design Competition (the “Competition”). The objective of this Competition is to introduce students to real-world biomedical situations in healthcare and to promote students’ project-management and design techniques.

Entry Period

The Competition begins on March 4, 2018 at 5:00pm and ends on May 4, 2018 at 11:59pm EST (the “Entry Period”). To be eligible, the entry must be submitted during the Entry Period.

Eligibility

Individuals (or a group of individuals) must be resident of Canada, excluding Quebec, and over the age of majority in their province of residence at the time of entry (each individual or group referred to as an “Entrant”). All members of a group must individually meet the eligibility criteria to enter. Employees, officers, directors, governors, representatives, or agents of Ryerson University, and members of their immediate family (parent, child, sibling, or spouse) or household (whether related or not) are not permitted to enter or win the Competition.

How to Enter

No purchase necessary. To participate in this Competition, during the Entry Period the Entrant must:

1. Complete and submit the registration form through the following website <https://docs.google.com/forms/d/e/1FAIpQLSc7EWssHS-i9ijTUWJ-JzzZI5aMxss7fqzzzHCcNFAKPfuKCA/viewform>. If the Entrant is a group, only one (1) registration form must be submitted.
2. Email a two-page design brief (the “Brief”) outlining the scope of the project (the “Project”) to ibest@ryerson.ca. Please see details below.

The Project of the Entrant must meet the following conditions:

- It must be led by a full/part-time student (group or individual) from any academic institution in Canada, excluding Quebec.
- It must be a biomedical innovation related to the following research themes:
 - Biomaterials, Tissue Injury & Repair (“BTR”)
 - Biomedical Delivery Systems (“BDS”)
 - Biomedical Imaging & Therapy (“BIT”)
 - Healthcare Analytics & Applications (“HAA”)
- Device, hardware, and digital solutions, as well as research discoveries and innovations *are* eligible.

- It must have been started after July 1, 2017.
- It must not have utilized significant research funding (>\$100,000 CAD), or is run by startup companies or faculty.

If you have any questions regarding your Project's eligibility, please contact the iBEST Coordinator, Imran Sheikh, at ibest@ryerson.ca.

The Brief is a 2-page executive summary of the Entrant's Project. The Brief should be written for an audience of engineers and scientists that are likely not intimately familiar with your biomedical or healthcare solution. The Brief will be evaluated by a panel of judges selected by iBEST (the "Judges"). Please see the Shortlist Criteria below for more details regarding the Judges assessment.

The Brief must follow the following formatting guidelines:

- No more than two (2) pages in length; any Briefs exceeding this length will be disqualified from the Competition.
- Font size of 11 points or larger.
- Standard paper size (8 1/2" x 11").
- At least one-half inch margins for all pages.
- Figures, plots, reference, and/or photos are highly recommended, but are counted towards the page limit.

Finalist Selection and Notification

Shortlist Stage

Between the period of May 4, 2018 and May 22, 2018, the submitted entries will be assessed by the Judges for a shortlist using the following criteria (the "Shortlist Criteria"):

Shortlist Criteria	Points
Problem Description: Define the problem you are addressing, the biomedical/healthcare background, and why there is a need for a better solution.	25
Design Solution: Present your proposed solution with your design rationale and explain how it meets the needs of the stakeholders involved in your biomedical/healthcare problem.	25
Application: Describe the proof-of-concept experimental results you have completed and/or renderings and photos of your prototype.	25
Implementation: Describe the pathway that lies ahead for your project towards creating an impactful solution.	25

Each entry will be given a score ("Shortlist Score") based on the Shortlist Criteria. The entries with the top five (5) Shortlist Scores ("Shortlisted Entrants") will be eligible to enter the Presentation Stage of the Competition (described below). The odds of being selected as a Shortlist Entrant will depend on the total number of entries received, the

calibre of each entry, and compliance with the Shortlist Criteria. On or about 5:00pm EST on May 22, 2018 in Toronto, Ontario, the Shortlisted Entrants will be announced. In the event of a tie between two or more entries based on the Shortlist Score, the entry decided by judge's consensus will be deemed to have the higher Shortlist Score.

The Sponsor will make a maximum of three (3) attempts to contact each eligible Shortlisted Entrant by telephone or email (using the information provided on the registration form) within five (5) business days of the end of May 22, 2018. If (i) the eligible Shortlisted Entrant cannot be contacted within five (5) business days of the end of May 22, 2018, (ii) there is a return of any notification as undeliverable; or (iii) the eligible Shortlisted Entrant fails to meet all applicable eligibility requirements and conditions, then the applicable Entrant will be disqualified and will forfeit all rights to be a Shortlisted Entrant, and the Sponsor reserves the right in its sole and absolute discretion, to select an alternate eligible Shortlisted Entrant based on the next highest Shortlist Score in accordance with these Competition Rules (in which case the foregoing provisions of this section shall apply to such alternate eligible Shortlisted Entrant).

Presentation Stage

The Shortlisted Entrants will present to the Judges at the 2018 iBEST Symposium on June 14, 2018. The Judges will assess each presentation on the basis of the following criteria (the "Presentation Criteria"):

Presentation Criteria	Points
Oral Presentation: The clarity and stage presence of the presentation	25
Presentation Content: The organization of the presentation's content to effectively communicate the design goals	25
Presentation Effectiveness: Does the presentation clearly highlight the design problem and solution	25
Ability to answer Judge's Questions: Do the presenters effectively answer the judge's questions	25

Shortlisted Entrant attendance and participation during the iBEST Symposium is mandatory for at least one (1) individual team member that was listed as a member of the team at the time of entry. If, (i) the eligible Shortlisted Entrant is not present; or (ii) the eligible Shortlisted Entrant fails to meet all applicable eligibility requirements and conditions, then the applicable Shortlisted Entrant (including all team members, as applicable) will be disqualified and will forfeit all rights to further participation in the Competition or to receive any prize.

Each Shortlisted Entrant will be given a score on their presentation (the "Presentation Score"). The odds of being selected as an eligible winner of a prize will depend on the calibre of each Shortlisted Entrant's presentation and compliance with the Presentation Criteria. Judging is scheduled to be completed on the same day as the presentation. In the event of a tie between two (2) or more entries based on the Presentation Score, the entry decided by judge's consensus will be deemed to have the higher Presentation

Score. The top three (3) Presentation Scores will be selected as an eligible winner of the 1st place prize (top Presentation Score), 2nd place prize (second highest Presentation Score), and 3rd place prize (third highest Presentation Score), and will be announced as eligible winners, in person, at the 2018 iBEST Symposium.

Prizes

A maximum of three (3) cash prizes will be awarded as follows:

- One (1) 1st place prize in the amount of \$3,000 CAD
- One (1) 2nd place prize in the amount of \$1,500 CAD
- One (1) 3rd place prize in the amount of \$500 CAD

The prizes will be awarded at the 2018 iBEST Symposium on June 14, 2018. The prizes must be accepted as awarded and are not transferable. The Sponsor reserves the right to substitute a prize that is, in its sole discretion, a prize of equivalent or greater value. Each Entrant cannot win more than one (1) prize. If a winner is an Entrant that is comprised of a group of individuals, the prize will be paid out on a pro-rata basis to each of the individual group members that were listed as members of the group at the time of the entry. The winners shall be required to sign a waiver prior to receiving the prize.

General

By entering the Competition, each Entrant agrees to abide by these rules. The Competition is subject to all federal, provincial, and municipal laws, and is void where prohibited by law. The decisions of the Sponsor with respect to all aspects of this Competition are final and binding on all Entrants without right of appeal.

By participating in the Competition, each Entrant agrees not to violate the rights of any third party, including but not limited to copyright, publicity, or privacy rights.

The Sponsor reserves the right to cancel, suspend, withdraw, or amend this Competition in any way, without prior notice or obligation, in the event of an error, technical problem, computer virus, bugs, tampering, unauthorized intervention, fraud, technical failure or any other cause beyond the reasonable control of the Sponsor that interferes with the proper conduct of this Competition as contemplated in these rules. Any attempt to deliberately undermine the legitimate operation of this Competition is a violation of criminal and civil laws, and should such an attempt be made, the Sponsor reserves the right to seek remedies and damages to the fullest extent permitted by law, including criminal prosecution.

By participating in the Competition, the Entrant agrees to release, indemnify, and hold harmless the Sponsor and Ryerson University from and against any and all claims, damages, and liabilities of any kind in connection with the Competition, the Entrant's participation in the Competition, and the acceptance, receipt, use, or misuse of any prize or portion thereof.