THE MEXICAN SOCIETY FOR BIOMEDICAL ENGINEERING
THROUGH THE INNOVATION COMMITTEE:
INVITES

To undergraduate students, professionals, graduate students, research groups and scientific institutions throughout Mexico and Latin America who wish to present projects in the prototype or development stage to participate in:

INNOVATION CHALLENGE FOR BIOMEDICAL ENGINEERING
As part of:
VIII Latin-American Congress for Biomedical Engineering

OBJECTIVES:

- Stimulate creativity in the development of medical technologies in Latin America.
- Promote the generation of technologies and intellectual protection.
- Facilitate the exchange and dissemination of scientific knowledge for the creation of projects and programs that meet the objective of satisfying the specific needs in a certain sector within medical technologies.
- Create awareness of the need for new technological proposals, innovation and knowledge development for Latin America.
- Awaken interest in research, development and technological application among undergraduate students, professionals, graduate students, research groups and scientific institutions, as well as all those who show interest in innovation.
PARTICIPATING FIELDS:

Projects that solve problems in the health sciences applying the principles of biomedical engineering, see Annex A

BASIS FOR PARTICIPATION:

1. The projects presented in the contest must have a prototype or equivalent development degree. Projects that refer to ideas and do not have demonstrable progress in their implementation, evidence or study will not be considered for participation.

2. The projects must adhere strictly to the bases indicated in this call.

3. The teams will be made up of a maximum of four members, naming one as the holder to initiate communications regarding their participation in the contest (see Guidelines_innova_CLAIB).

4. Team members must be enrolled in the 2019 Latin American Biomedical Engineering Congress.

5. The registration to the contest consists of a technical report and an audiovisual memory that will explain the details of the project, in writing and video-documented respectively. Said reports should be developed by adhering to and complying with the characteristics described in the downloadable document "Guidelines_innova_CLAIB" on the CLAIB website (http://www.claib.org/premiaciones.html) and the SOMIB (http://somib.org.mx/innovahealth/).

6. It is essential that the team leader attach to the shipment, the downloadable document "Registration_innova_CLAIB" available on the CLAIB website (http://www.claib.org/premiaciones.html) and the SOMIB (http://somib.org.mx/innovahealth/), with the data of the members, academic degree, as well as the institution of origin, etc. Any incomplete or improperly completed form will not be considered for the participation of the project in this call. Likewise, corroborate that names and data are correct before sending said document (The names in the record of participation will appear as they are written on the registration form).

7. The contact email and reception of projects will be innovation@somib.org.mx with a copy to azitle@somib.org.mx. The owner will receive within a period not exceeding five working days the notification that the form and the technical-audiovisual report were received, in order to
confirm that the project has been registered, without this meaning that it has
been accepted for the stage of exhibition.

8. Based on the technical and audiovisual report, the projects will undergo a
selection process by the evaluation committee, to decide their participation
in the exhibition stage.

9. The works during the exhibition stage will be arbitrated by a group of
evaluators selected for their experience in the area, their evaluation will be
the sole responsibility of the same and their decision will be unappealable.

10. The registration of projects is open as of the publication of this call, with the
deadline for receipt of the project on **Wednesday, June 19, 2019 until
23:59 hrs.**

11. The selected projects and the exhibition schedule will be published as
definitive on Monday, July 29, 2019 on the web portal and through the social
networks of SOMIB and CLAIB. [www.somib.org.mx](http://www.somib.org.mx) [http://www.claib.org/]

12. The projects accepted for the exhibition stage must be presented on Friday,
October 4, 2019 during the designated time and space. The presentation
modality consists of two stages: the first one is an oral presentation, with a
maximum duration of 5 minutes and 5 minutes for doubts as well as
comments by the qualifying jury; The second stage consists of an exhibition
to the public where projects and prototypes are openly presented to the
attendees. It is recommended to plan your exhibition in advance (calculate
project dimensions, decoration, additional requirements, etc.).

**It is necessary that before the exhibition stage the prototype or
demonstration is fully functional and without any faults.**

**SELECTION AND AWARD**

1. The evaluation committee will choose the creditor projects, to participate in
the exhibition stage taking into account the technical and audiovisual
memory.

2. Once selected, the participation of the projects is subject to compliance with
the suggestions and observations made by the evaluation committee.

The result of the Contest and the awarding of the winners will take place on
October 5, 2019, regardless of the closure of the Latin American Congress of Biomedical Engineering.

The InnovAhealth Challenge prizes will be for the first three places according to the following:

1. For the first place, coupon valid for an annual SOMIB membership for each one of the members of the project. Coupon valid for the right of admission to the CNIB 2020 for each one of the members. SOMIB kit for each of the project's members. Evidence of participation per project.

2. To the second place, Coupon valid for the right of admission to the CNIB 2020 for each one of the members. SOMIB kit for each of the project's members. Evidence of participation per project.

3. To the third place, Kit SOMIB for each one of the members of the project. Evidence of participation per project.

4. For the rest of the participants, they will be given a certificate of participation.

For the claim of the prizes it is OBLIGATION of the team to maintain contact with the organizers to receive subsequent instructions to the contest.

CONFIDENTIALITY

Participants may take the legal precautions they believe necessary to safeguard the confidentiality of their project in case they consider it necessary.

Participants accept that part of the information provided in connection with the participation in the contest and evaluation of the project may be disclosed, provided that the project is chosen for participation in the exhibition stage.

Intellectual property

The intellectual property of the research results obtained as a result of the scientific-technological developments that are awarded will be determined in accordance with the laws and regulations specific to the institutions involved.

RESPONSABILITIES

Acceptance of the terms and conditions of the contest
Once the form, the technical and audiovisual report has been sent, it is understood that the project members are aware of the terms and conditions of the contest, agreeing with them, registering their participation and proceeding with the following stages if selected.

In case of being selected for the exhibition stage, the members agree to allow the use of basic information of the project ("Tweet pitch" and name of the project), names of the members, institution of origin, country of origin and the Audiovisual memory of the project for the purpose of promoting the Innova Health Challenge on the SOMIB platforms.

It should be noted that detailed and confidential project information will not be used without prior authorization and consent from ALL team members.

Responsibilities

The owner of the registered project will be solely responsible for the ownership of the same in the Innova Health Challenge.

The owner of the submitted project declares sole responsibility for any claim that may be caused by third parties on the property of the submitted project.

IMPORTANT DATES:

- Notification of selected projects for exhibition stage: Monday, July 29, 2019.
- Previous meeting to the "Innovate Challenge", with the purpose of knowing details and attendance-participation confirmation, this meeting takes place within the framework of the Latin American Biomedical Engineering Congress: Thursday, October 3, 2019 (The time will be confirmed in the notification mail of selected projects).
- Awards Saturday, October 5, 2019.
COMUNICATION

All communications regarding the organization and contest reports will be made through the email innovacion@somib.org.mx with a copy to azitle@somib.org.mx and via WhatsApp with the contest coordinators +52 1 (624) 205 2006, +52 1 (646) 211 3418.
Annex A

Some areas of biomedical engineering, but are not limited to:

- **INSTRUMENTATION**: projects focused on the development of devices for the measurement, evaluation, treatment, correction or rehabilitation of the function of an organ or the human body.

- **BIOMECHANICS**: projects focused on the development of equipment to solve the problems that arise from the diverse conditions to which the human body can be submitted in different situations.

- **IMAGENOLOGY**: projects focused on the promotion of techniques and procedures that allow images of the human body to be obtained for clinical purposes.

- **MONITORING OF PHYSIOLOGICAL SIGNALS**: projects focused on the development of vital signs measurement devices for diagnosis or treatment of any organ of the human body.

- **REHABILITATION**: projects focused on the development of technological solutions and devices to assist people with disabilities and help recover lost physical and cognitive functions.

- **BIOMATERIALS**: focused projects with the purpose of replacing and/or restoring living tissues and their functions.

- **MANUFACTURING PROCESSES**: projects focused on the improvement of production processes, transport, hygiene, storage, packaging of products, devices and medical equipment related to the health sector.

- **MEDICAL INFORMATICS**: projects focused on providing solutions to problems related to data, information and knowledge processing in the biological and health sciences.

- **TELEMEDICINE**: Projects focused on inventions or improvements that allow medical acts performed without direct physical contact between the professional and the patient, or between professionals, through a telematic system.

- **MEDICAL PHYSICS**: projects focused on any application of the principles, methods and tools of physics in the prevention, diagnosis and treatment of diseases.

- **BUSINESS MODELS**: financial strategies that improve the production, distribution, sale and accessibility of health services.

- **OTHER AREAS**: projects focused on solving health sector needs in Latin America.