We are delighted to announce a unique call for joint grant proposals by The Tel Aviv Sourasky Medical Center (‘Ichilov’) and the Tel Aviv University’s Faculty of Engineering (‘TAU’).

The objective is to promote and incubate outstanding health-tech inventions that address compelling unmet clinical needs. This includes, but is not limited to: medical devices, computerized analysis of medical data, digital solutions, and more.

Innovators are expected to propose an idea, define a need, co-develop solutions, advise product design, and testing usability criteria through experiments and pilot deployment.

Innovation in Medical Engineering

Collaborative Grants for The Development of Innovative Medical Devices and Technologies

Call for proposals

We encourage the submission of proposals seeking to develop and further the proposals.

Proposal evaluation will take into account the following criteria:

- Significance of the research program to medicine
- Technological gap
- Innovation
- Feasibility and applicability of the methodology

Two-staged proposal selection process:

- Initial submission: proposals will then be submitted to the Selection Committee and matched with relevant, interested TAU teams. Groups will be formed to develop and further the proposals.

Budget

Total funding for 2020/21 is 300,000 NIS. Each project will be funded by up to 100,000 NIS in addition to in-kind development support that will be provided by TAU teams.

Funding is for a period of up to 2 years, pending approval of an interim report which will be presented during the course of the project.

Default start date of projects is 1/10/2020 and can be delayed, with notification, by up to 9 months for preparations (Helsinki approvals, purchases, recruitment of personnel, legal matters, transfer of data, etc).

In addition to the abovementioned tracks, all projects can also enjoy engineering services of the technical personnel of TAU BME.

Proposal selection will take into account the following criteria:

- Eligibility for Submission:
  - All TASMC employees (e.g. physicians, researchers, nurses, health professionals)
  - An applicant may submit no more than one proposal

- Proposal should include the following (up to 4 pages in total):
  - Description of methods and plan of operation
  - Brief scientific / technological background
  - Objectives and expected significance
  - Research plan:
    - Duration of proposed research and collaboration track preference
    - An abstract of up to 200 words
    - Contact information of the applicant/s
  - Cover page with:
    - The Proposal should include the following (up to 4 pages in total):

- Teams and Mechanisms for collaboration:

- Joint research with TAU teams
  - Expected periods of 1-2 years and operated by MSc/PhD students
  - Basic or applied research
  - Joint-ownership of research outputs (publications, IP)

- Hands-on courses
  - Limited to 1 semester (13 weeks) to be operated in a ‘crash’ style by whole class of students (4th year / advanced degrees)
  - Most suitable for projects involving field data analysis. The availability of a dataset is a prerequisite
  - TASMC ownership of research outputs (publications, IP)

- 4th year projects
  - Limited to ~8-10 months and operated by 2 students
  - TAU will take part of the management of project progress
  - Basic or applicative research
  - Joint ownership of research outputs (unless project is performed with joint supervision of the students)

- BioMedTech selected proposals will be directed to the 2nd track (4th year projects)

- BDSenseTech program of TAU

In addition to the abovementioned tracks, all projects can also enjoy engineering services of the technical personnel of TAU BME.

Intellectual Property

Collaborators will be asked to sign an IP sharing agreement following approval of their project.

Proposals

The Proposal should include the following (up to 4 pages in total):

- Description of methods and plan of operation
- Brief scientific / technological background
- Objectives and expected significance
- Research plan:
  - Duration of proposed research and collaboration track preference
  - An abstract of up to 200 words
  - Contact information of the applicant/s
- Cover page with:
  - The Proposal should include the following (up to 4 pages in total):

- Teams and Mechanisms for collaboration:

- Joint research with TAU teams
  - Expected periods of 1-2 years and operated by MSc/PhD students
  - Basic or applied research
  - Joint-ownership of research outputs (publications, IP)

- Hands-on courses
  - Limited to 1 semester (13 weeks) to be operated in a ‘crash’ style by whole class of students (4th year / advanced degrees)
  - Most suitable for projects involving field data analysis. The availability of a dataset is a prerequisite
  - TASMC ownership of research outputs (publications, IP)

- 4th year projects
  - Limited to ~8-10 months and operated by 2 students
  - TAU will take part of the management of project progress
  - Basic or applicative research
  - Joint ownership of research outputs (unless project is performed with joint supervision of the students)

- BioMedTech selected proposals will be directed to the 2nd track (4th year projects)

- BDSenseTech program of TAU

In addition to the abovementioned tracks, all projects can also enjoy engineering services of the technical personnel of TAU BME.

Intellectual Property

Collaborators will be asked to sign an IP sharing agreement following approval of their project.

Proposals

The Proposal should include the following (up to 4 pages in total):

- Description of methods and plan of operation
- Brief scientific / technological background
- Objectives and expected significance
- Research plan:
  - Duration of proposed research and collaboration track preference
  - An abstract of up to 200 words
  - Contact information of the applicant/s
- Cover page with:
  - The Proposal should include the following (up to 4 pages in total):

- Teams and Mechanisms for collaboration:

- Joint research with TAU teams
  - Expected periods of 1-2 years and operated by MSc/PhD students
  - Basic or applied research
  - Joint-ownership of research outputs (publications, IP)

- Hands-on courses
  - Limited to 1 semester (13 weeks) to be operated in a ‘crash’ style by whole class of students (4th year / advanced degrees)
  - Most suitable for projects involving field data analysis. The availability of a dataset is a prerequisite
  - TASMC ownership of research outputs (publications, IP)

- 4th year projects
  - Limited to ~8-10 months and operated by 2 students
  - TAU will take part of the management of project progress
  - Basic or applicative research
  - Joint ownership of research outputs (unless project is performed with joint supervision of the students)

- BioMedTech selected proposals will be directed to the 2nd track (4th year projects)

- BDSenseTech program of TAU

In addition to the abovementioned tracks, all projects can also enjoy engineering services of the technical personnel of TAU BME.

Intellectual Property

Collaborators will be asked to sign an IP sharing agreement following approval of their project.

Proposals

The Proposal should include the following (up to 4 pages in total):

- Description of methods and plan of operation
- Brief scientific / technological background
- Objectives and expected significance
- Research plan:
  - Duration of proposed research and collaboration track preference
  - An abstract of up to 200 words
  - Contact information of the applicant/s
- Cover page with:
  - The Proposal should include the following (up to 4 pages in total):

- Teams and Mechanisms for collaboration:

- Joint research with TAU teams
  - Expected periods of 1-2 years and operated by MSc/PhD students
  - Basic or applied research
  - Joint-ownership of research outputs (publications, IP)

- Hands-on courses
  - Limited to 1 semester (13 weeks) to be operated in a ‘crash’ style by whole class of students (4th year / advanced degrees)
  - Most suitable for projects involving field data analysis. The availability of a dataset is a prerequisite
  - TASMC ownership of research outputs (publications, IP)

- 4th year projects
  - Limited to ~8-10 months and operated by 2 students
  - TAU will take part of the management of project progress
  - Basic or applicative research
  - Joint ownership of research outputs (unless project is performed with joint supervision of the students)

- BioMedTech selected proposals will be directed to the 2nd track (4th year projects)

- BDSenseTech program of TAU

In addition to the abovementioned tracks, all projects can also enjoy engineering services of the technical personnel of TAU BME.

Intellectual Property

Collaborators will be asked to sign an IP sharing agreement following approval of their project.