



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.

Ichilov applicants are expected to assist with defining needs, co-conceptualizing solutions, advising product design, and testing usability criteria through experiments and pilot deployment.

TAU teams are expected to analyze needs, co-conceptualize solutions, hone in on development of critical gaps for POC/prototypes, refine and improve through tests and pilot deployment.

Research expertise of TAU teams includes, among other fields: MRI, US, biomechanics, biophotonics and microscopy, theranostics, models in immunology, materials engineering, tissue engineering, nano-sensing, and more.

Eligibility for Submission:

- ♥ All TASMCM employees (e.g. physicians, researchers, nurses, health professionals)
- ♥ An applicant may submit no more than one proposal

We encourage the submission of proposals seeking development to achieve sound POC as a milestone for further development and commercialization.

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:

- ♥ Ichilov personnel submits proposals to Ichilov-TAU joint Selection Committee.
- ♥ Selected proposals will then be pitched 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 6 months for preparations (Helsinki approvals, purchases, recruitment of personnel, legal matters, transfer of data, etc).

Tracks and Mechanisms for collaboration

- ♥ **Joint research with TAU teams**
 - Expected periods of 1-2 years and operated by MSc/PhD students
 - Basic or applicative 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 data analysis. The availability of a dataset is a pre-requisite
 - TASMCM 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
 - TASMCM ownership of research outputs (unless project is performed with joint supervision of the students)
- ♥ **BioMedTech** - selected proposals that will be directed to the 3rd track (4th year projects) will also be reviewed to participate in the [BiomedTech](#) 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 projects.

Proposals

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

Cover page with:

Contact information of the applicant/s

An abstract of up to 200 words

Duration of proposed research and collaboration track preference

Research plan:

Objectives and expected significance

Brief scientific / technological background

Description of methods and plan of operation

Expected technological competencies to address development gaps

Status of development and supporting data/drawings/results

Available resources

Requested budget with justification

Proposed timeline (up to 24 months)

Process:

- ♥ An introductory webinar (optional) will be held on July 10th at 10:30am during which we will explain the framework of the call (see details below).

Zoom Webinar: Password: 098643

<https://zoom.us/j/92717340300?pwd=OHZxSF14OXhwMURmZ29UWUVMZ2VDUT09>

- ♥ Submission deadline: August 6th, 2020 -- all proposals must be submitted electronically to: galitco@tlvmc.gov.il
- ♥ Selected Proposals will be presented to TAU teams on August 13th, 2020
- ♥ Winners will be announced by August 31st, 2020 (committee may communicate with applicants during this period)

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