

RTICC & MATRIC Cancer 3D Bioprinting

Call for Proposals

In collaboration with 'MATRIC - Applied Medical Technology Research Center' (Division of Research, Rambam Health Care Campus), the RTICC is launching a **call for proposals to fund projects of cancer 3D bioprinting by RTICC researchers.**

See full details on the following page.

A special webinar will be held on June 11th to present MATRIC's activities and research possibilities within this call for proposals.

All prospective applicants are encouraged to attend.

Webinar



June 11th, 2025

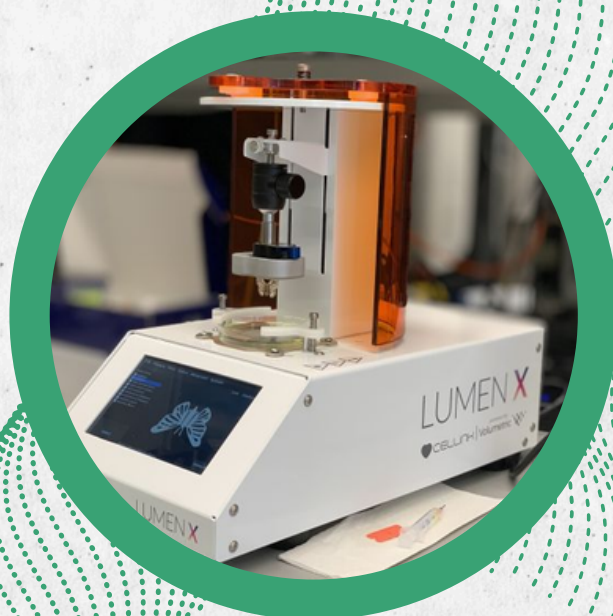


Registration

Submission deadline: 15.07.2025



Click for Submission

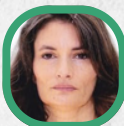


MATRIC Website



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For any questions,
please contact Tal Gelles

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Tumors are heterogeneous entities that are made up of multiple cell types and connecting tissues. The tumor microenvironment plays a pivotal role in cancer pathogenesis, influencing tumor initiation, progression, and therapeutic response. Traditional in-vitro models often fail to capture this complexity. Three-dimensional (3D) bioprinting is an emerging technology that enables the spatial organization of cells, biomolecules, and extracellular matrix components, allowing for the fabrication of complex, tissue-like structures.

To foster 3D and “cancer on a chip” seed studies, the RTICC~ MATRIC is opening a call for seed projects. Proposals that leverage this technology to advance cancer biology, drug screening, and preclinical testing are welcome.

Three applications in the sum of 20,000\$ will be selected for funding. Applications may include the development of models to investigate tumor-stroma interactions, immune cell infiltration, or therapeutic resistance. By the end of the funding period, with the support of the MATRIC team, researchers are expected to establish a reproducible, biologically relevant preclinical model. It is expected that this seed grant project will generate preliminary data for future competitive external grant funding.

About the Funding

- 3 projects will be selected in the sum of \$20,000 each for a period of one year.
- The applications will be reviewed by a selection committee.
- Funding will be managed by MATRIC's team.
- The recipients will submit two short progress reports: one after six months from project initiation and a final report.

Who Can Apply

- RTICC-Technion Principal Investigators.
- In case you are not affiliated to the RTICC yet, please contact us to join.

Selection Criteria

- Academic excellence and quality of the research proposal.
- The project's objective is to study 3D Cancer EX-VIVO.
- The project will serve as a seed grant for applying for competitive grants.
- The project will be carried out by a dedicated student/postdoc from the PI's lab. The young researcher will be trained and carry out her/his project at MATRIC, together with the MATRIC team.

Submission Instructions

- Applications should be submitted electronically in the following link- <https://forms.office.com/r/j6HvUguriU>
- The application will include:
 1. An abstract (up to 250 words).
 2. A short research plan (2 pages), including the problem to be solved, its significance, short introduction, research hypothesis and specific aims, preliminary results, and concise research plan and the expected outcome.
 3. CV of the PI, including a list of publications and funding for the past 5 years
 4. CV of the young researcher leading the project.

Recognition

- The recipients will recognize the RTICC and MATRIC funding in publications resulting from the project.



[Click for Submission](https://forms.office.com/r/j6HvUguriU)

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