ACCELERATOR FOR CANCER THERAPEUTICS

The Accelerator prepares academic researchers and early-stage companies for success in every stage of growth by creating a solid foundation to support a critical stage of company formation and launch, while bringing together founders, talent, knowledge, and investors.

The TMCi Accelerator for cancer therapeutics is funded by the Cancer Prevention and Research Institute of Texas (CPRIT) launched in collaboration with the Gulf Coast Consortia (GCC) and the University of Texas Medical Branch (UTMB) to support Texas-based biotech entrepreneurs and researchers contemplating translations alongside institutional technology transfer teams.

CURRICULUM AND RESOURCES

Each Accelerator project transforms into a detailed development plan encompassing major necessary business and therapeutic development milestones. Founders work with Entrepreneurs-in-Residences (EIRs), advisors, and expert consultants to identify critical gaps and key experiments. The Accelerator culminates with at least one grant submission, and an option to pitch to investors, corporate partners, media, and other influential guests.

Participants can expect:

- Curated mentor network
- Dedicated EIRs
- Critical gap identification and problem solving
- Key experiments identification to enable funding
- Computational chemistry resources
- Grant writing support
- Access to competitive intelligence
- GCC Drug Development Core Network
- JLABS@TMC lab space
- Investor relationship development and pitch opportunities
- Proximity to world-class researchers and experts in the Texas Medical Center

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The TMCi Accelerator for cancer therapeutics External Advisory Committee is composed of accomplished expert advisors assisting TMCi in the development of this exceptional program. The committee contributes key resources, trusted expertise and guidance to advance transformative cancer therapeutics commercialization efforts within Texas.

The TMCi Accelerator for cancer therapeutics offers complimentary computational resources and expertise to select hit discovery and lead optimization stage projects for Texas-based academic founders and startups.

Resources available to support discover high-quality, novel cancer therapeutics:

- High performance computational hardware resources featuring advanced CPU and GPU processors
- Cutting-edge open source and commercial drug discovery application packages including widely used Schrödinger and Cresset platforms
- Computational chemistry application support
- Large-scale virtual screening
- Protein-ligand interactions
- Predictive modeling
- Cheminformatics and ligand-based drug design
- Molecular dynamics simulations
- Binding free energy calculations