

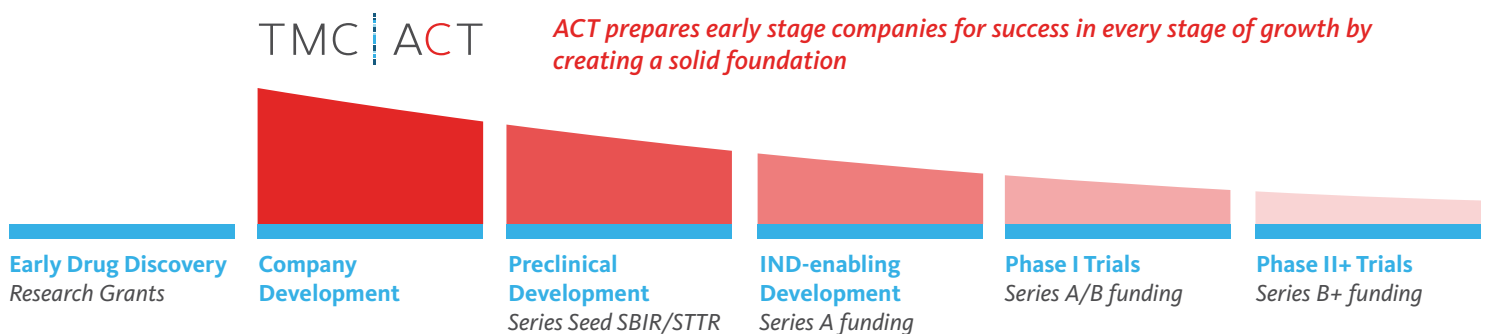
# ACCELERATOR FOR CANCER THERAPEUTICS

TMC | ACT

**TMC ACT** aims to support Texas based cancer therapeutic company growth, increasing the overall success rate while decreasing the development time.

ACT participants will develop and incorporate an integrated strategic plan that guides their company's business and drug development efforts culminating with at least one grant submission, and an option to pitch to investors, corporate partners, media, and other influential guests.

## ACT SUPPORTS A CRITICAL DEVELOPMENT STAGE



ACT will surround scientific founders with the right team to catalyze company growth, milestone execution, and increase company fundability and ACT as a bridge for experienced management and scientific founders.

## PROGRAM BENEFITS

Institutionally independent accelerator dedicated to therapeutic development and modeled off the success of TMCx

- No equity to participate
- Proximity to world-class researchers and experts in the Texas Medical Center
- Flexible model to support multiple stages of company development
- Work closely with entrepreneurs and mentors to support participants
- Achieve major milestone through access to development timelines and expenses
- Identify critical gaps and key experiments to enable funding
- Support in seeking non-dilutive and Venture Capital funding

## PROGRAM FORMAT

ACT participants will gain insight into every facet of managing a cancer therapeutics company propelling their business for long term success.

### Weeks 1-2

Bootcamp to orient and assess projects

### Week 3

Additional project assessment & curriculum customization

### Months 2-5

On-site structured programming three days per month

### Months 6-8.5

Dynamic programming and 1-on-1 consultation

### Month 9

Grant submission, pitch preparation, & showcase event

## KEY RESOURCES

### Access to TMC's exclusive mentor and advisor network

- Therapeutic and business development experts
- Cancer therapeutic key opinion leaders
- Corporate and product development resources

### Institutional knowledge

- Detailed development framework
- Founders focus on unique project challenges

### Resource access

- JLABS@TMC Lab space
- CPRIT core network
- Computational chemistry resources

## SUPPORTED BY



CANCER PREVENTION & RESEARCH  
INSTITUTE OF TEXAS

## IN PARTNERSHIP WITH

Gulf Coast Consortia  
QUANTITATIVE BIOMEDICAL SCIENCES

utmb Health

*This tailored program allows participants to receive support highly focused on their stage and time commitment.*

The ACT team supports all individuals working on cancer therapeutics, for more information and to schedule an office hours meeting with the ACT team, please visit the [TMC ACT webpage](http://www.tmc.edu) at [www.tmc.edu](http://www.tmc.edu).

# TMC ACT COMPUTATIONAL CHEMISTRY RESOURCES

TMC | ACT

**TMC ACT** provides a framework of drug development, accelerating timelines, reducing costs, and access to significant clinical validation including computational chemistry support. ACT computational chemistry resources aim to support Texas based academic founders and startups to discover high-quality, novel cancer therapeutics more rapidly at a lower cost.

Computational tools and modeling expedite the drug discovery process and lower the overall cost, but often academic founders lack access to the appropriate tools and expert support. ACT offers computational resources and expert support to competitively selected hit discovery and lead optimization stage projects at **no cost**. With the utilization of advanced computational tools, in concert with other core resource facilities, the integrated ACT approach ensures a higher likelihood of success compared to traditional methods.



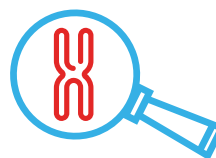
## HIT DISCOVERY

- *Physics based analyses of target's active and allosteric sites and virtual screening of millions of purchasable chemical space to discover small molecule modulators*



## LEAD OPTIMIZATION

- *Discovered hits computationally optimized with the desired binding mode, functional activity and selectivity.*



## AVAILABLE TMC ACT COMPUTATIONAL CHEMISTRY RESOURCES

- High performance computational hardware resources featuring advanced CPU and GPU processors dedicated to cancer drug discovery
- Access to a range of cutting-edge open source and commercial drug discovery application packages including widely used Schrodinger drug discovery platform
- Computational chemistry application support
- Large scale virtual screening
- Protein-ligand interactions
- Predictive modeling
- Cheminformatics and Ligand Based Design
- Molecular Dynamics Simulations
- Binding free energy calculations

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