# Saint John's Cancer Institute

Saint John's Health Center 쌲 Providence

Translational Experimental

Therapeutics Innovating targeted treatments



The Translational Experimental Therapeutics (TET) research program at the Saint John's Cancer Institute fosters the development of innovative chemical solutions.

The TET research program combines chemistry with computerized modeling and simulation (AI, Computer Aided Drug Design, Bioinformatics) to better understand disease targets, their underlying biology, and enhance patient-focused experimental design.

As a pioneer in drug discovery and therapeutic solutions, our approach is gauranteed to produce greater clinical success and improved patient outcomes. By improving new therapeutics, we accelerated the entire drug develop process, enabling predictable outcomes and financial success for our clients and partners.

# **TET Services**

## TRANSLATIONAL RESEARCH

We identify and verify disease targets, and resistance mechanisms to classify treatments based on biomarkers of patients.

### **CLINICAL RESEARCH**

We design biomarker guided drugs that guarantee better clinical outcomes. We utilize nano-liposomal (injectable), oral drug formulation, and chemical structural modification strategies to improve the pharmacokinetics and bioavailability of drugs going through clinical development and drug approval.

### **BASIC RESEARCH**

We offer general laboratory and scientific consultation services for all stages of the drug development cycle. These stages can range from discovery to preclinical IND.

TET research takes projects from the initial discovery phase through preclinical drug development and into the clinic via integrative biologically-informed collaborations and cutting-edge technology. By promoting true translational research and precision therapeutic development, we have bridged the bench-to-bedside gap.

# **TET Technologies**

- Drug Discovery & Optimization
- Combination Therapy
- Precision Therapy
- Drug Carriers and Formulation Development
- Al & Data Mining



We work in partnership with academic institutions

and CRO companies to collaborate, expand our expertise, and develop patient-centerd therapeutics. We strongly believe collaboration leads to significant innovations and improved quality of life.

## **Benefits of Partnership and Collaborations**

- Access to a wider scope of expertise in translational research.
- Use of the full range of therapeutic drug discovery and delivery technologies including exploration and development services.
- Objective decision making and innovative project design that reduces costs, saves time, and maximizes success.
- Greater access to fundraising through grants and pharma licensing via innovative patentable technologies.

#### **TET Partners:**



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#### **Our Supporters:**

Saint John's Cancer Institute Physical Review Physica