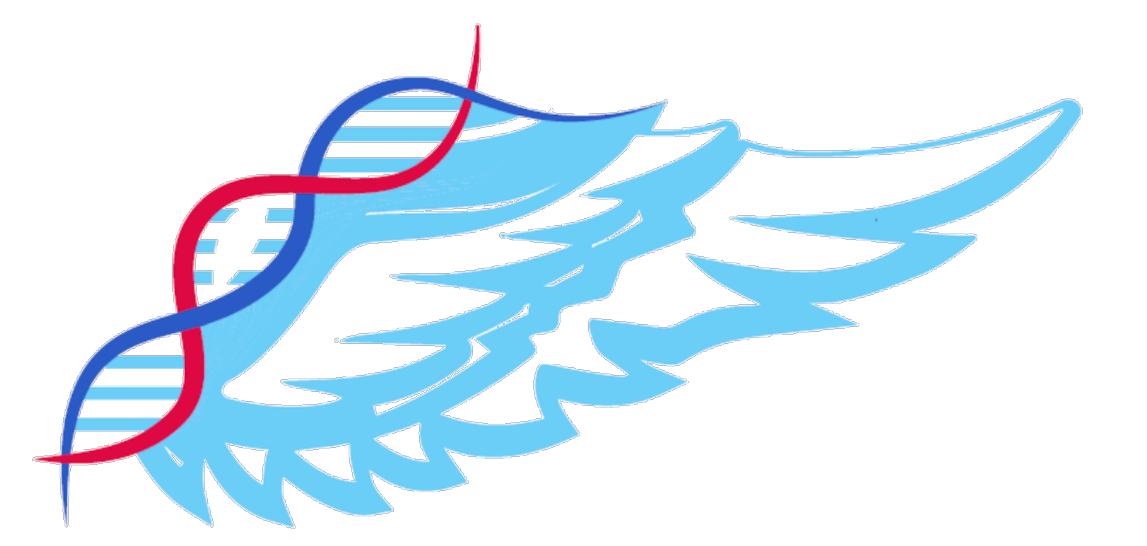
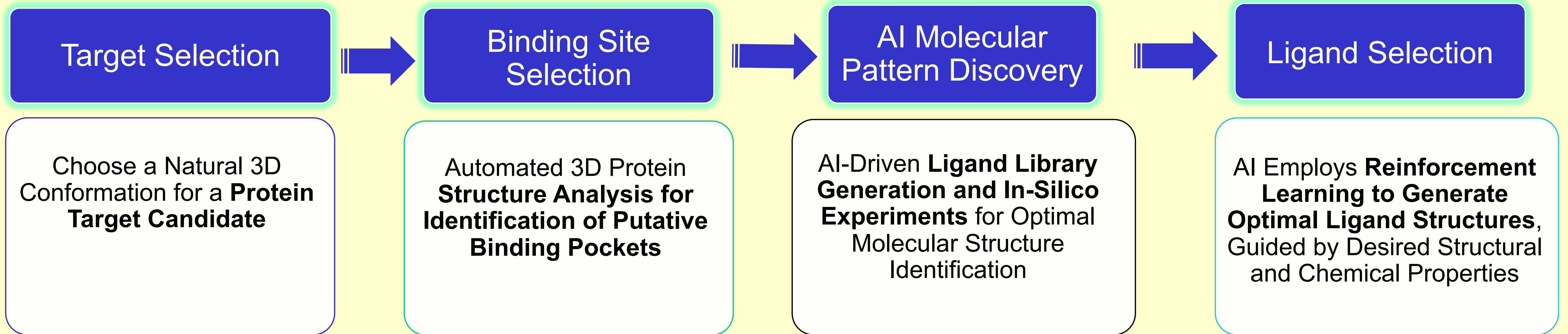


TISSUE-SPECIFIC RNA DRUG DELIVERY PLATFORM TECHNOLOGY

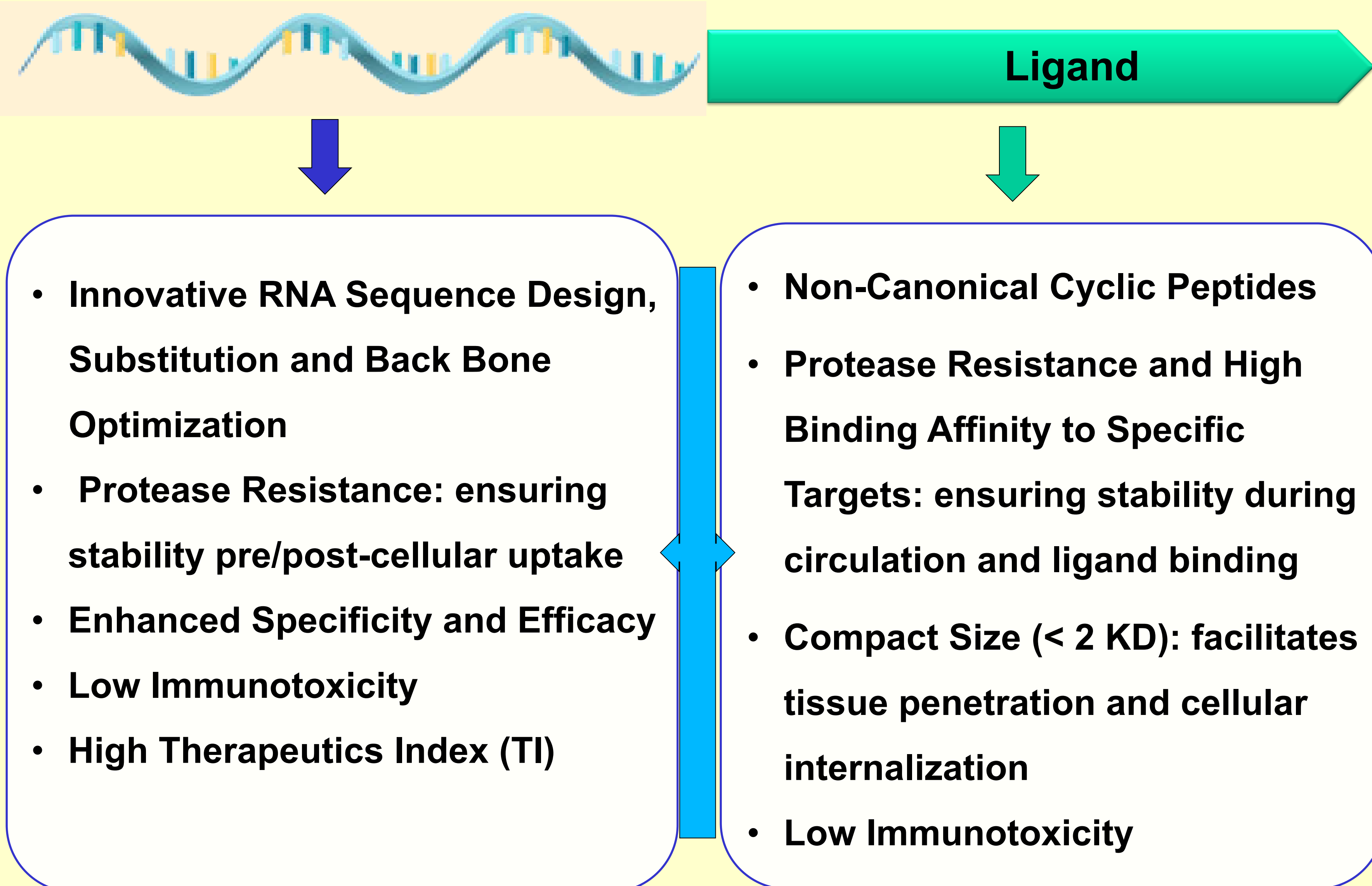


BOUND Therapeutics

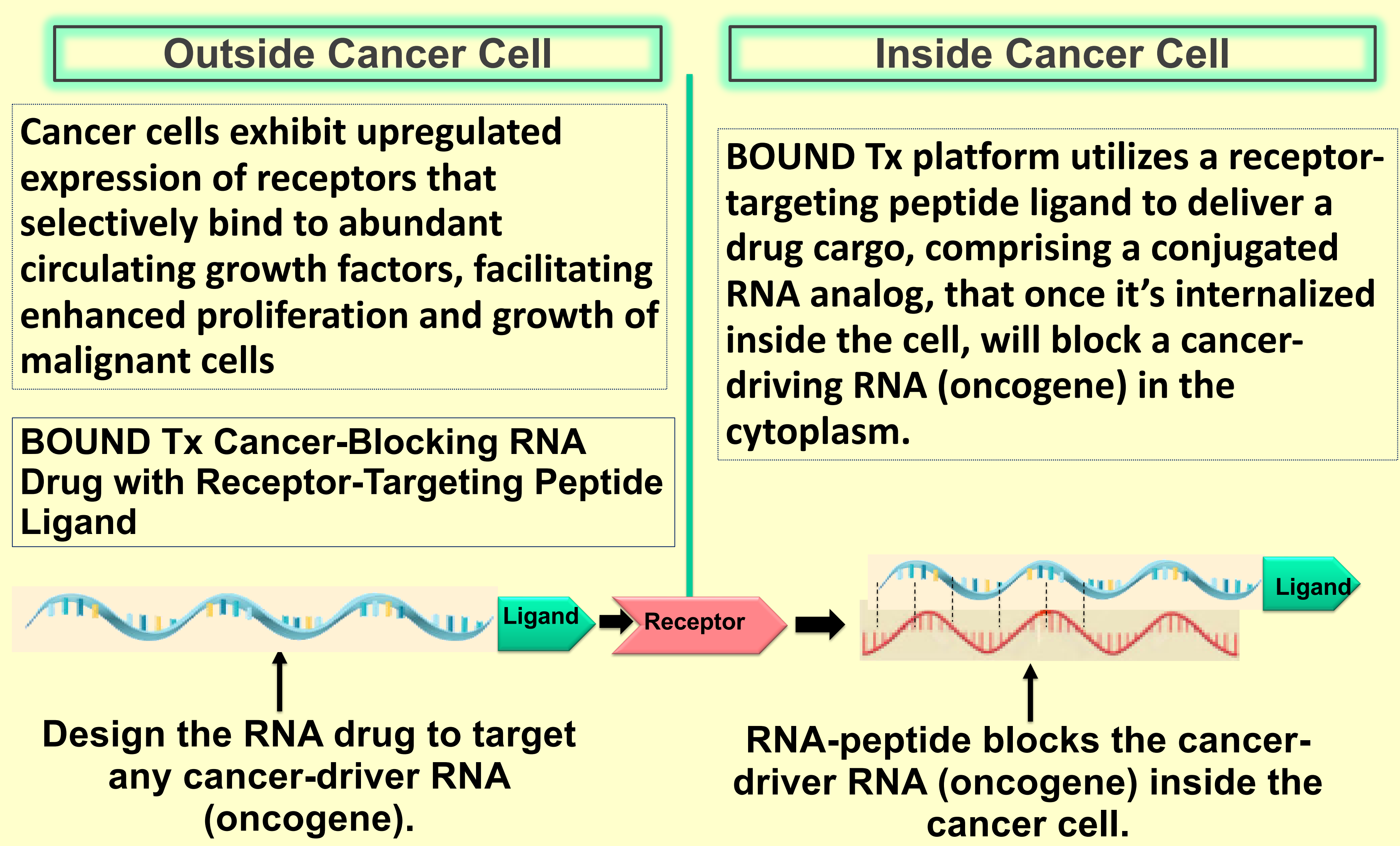
BOUND Tx Generative AI/ML Approaches for Protein-Ligand Interaction Design



BOUND Tx RNA-Peptide Drug Design



Mechanism of Action (MOA)



Pending and Issued Patents

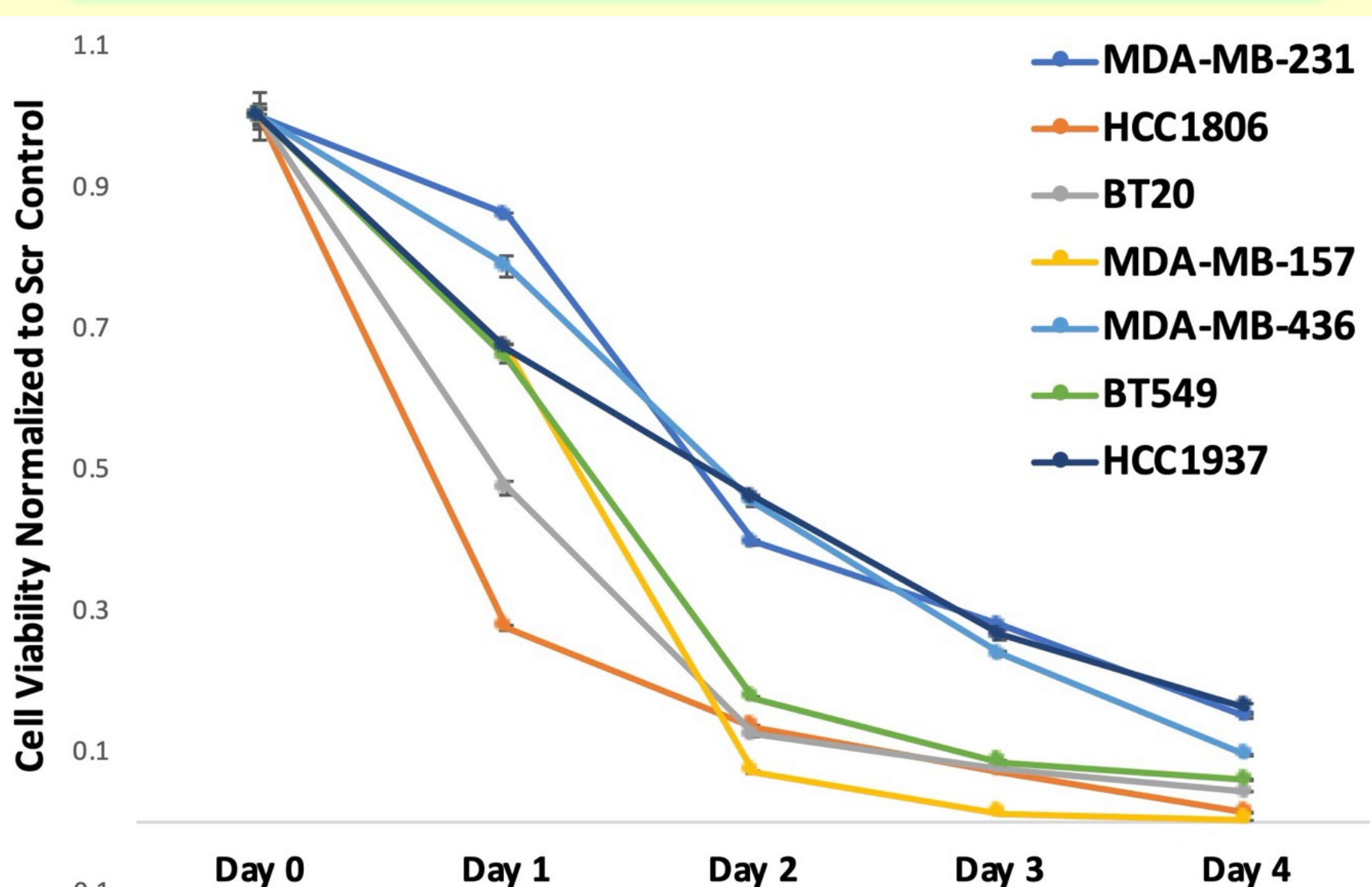
“Compositions and Methods for the Treatment of Cancer” PCT/US2024/019719, 2024

“Compositions and Methods for MYC Messenger RNA Inhibitors”, US 11,306,312, issued 2022
• Expires in Feb. 2038, could be extended as far as Aug. 2043

Technology Feature	BOUND Tx	Competitive Technology
Tissue Targeted Delivery	Targeted Extrahepatic Delivery to Solid Tumors via Specific Cellular Membrane Proteins	Limited Systemic Deliverable Targets: Hepatic, Circulation and Local
Formulation	Soluble in saline, isotonic. No issues with dosing volume, range and route or injection site reactions (ISR)	Costly formulation, limited dosing volume, range and route due to ISR
Tissue Penetration	Small size, good in-vivo biodistribution and cellular PK profile	Large molecular weight, poor cellular PK
Delivery Ligand	Proprietary AI design, cargo tailored structure chemistry, rapid turnaround	Costly high-throughput compound screening
Therapeutic Index (TI)	WIDE	NARROW

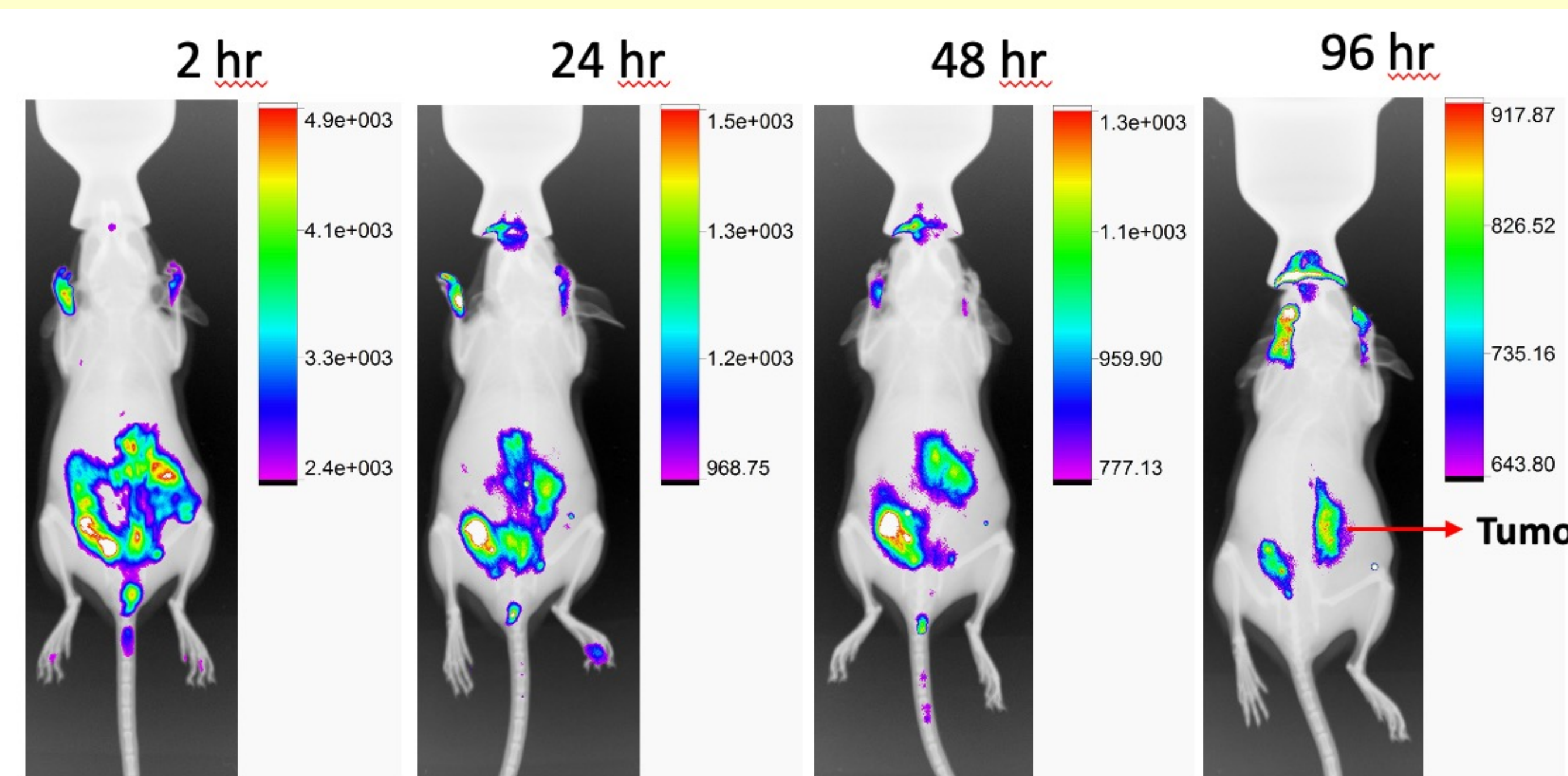
Tumor Specific Delivery of BOUND Tx BND6482 miR-21 Inhibitor in Triple Negative Breast Cancer (TNBC)

AntimiR-21 TNBC Cell Inhibition



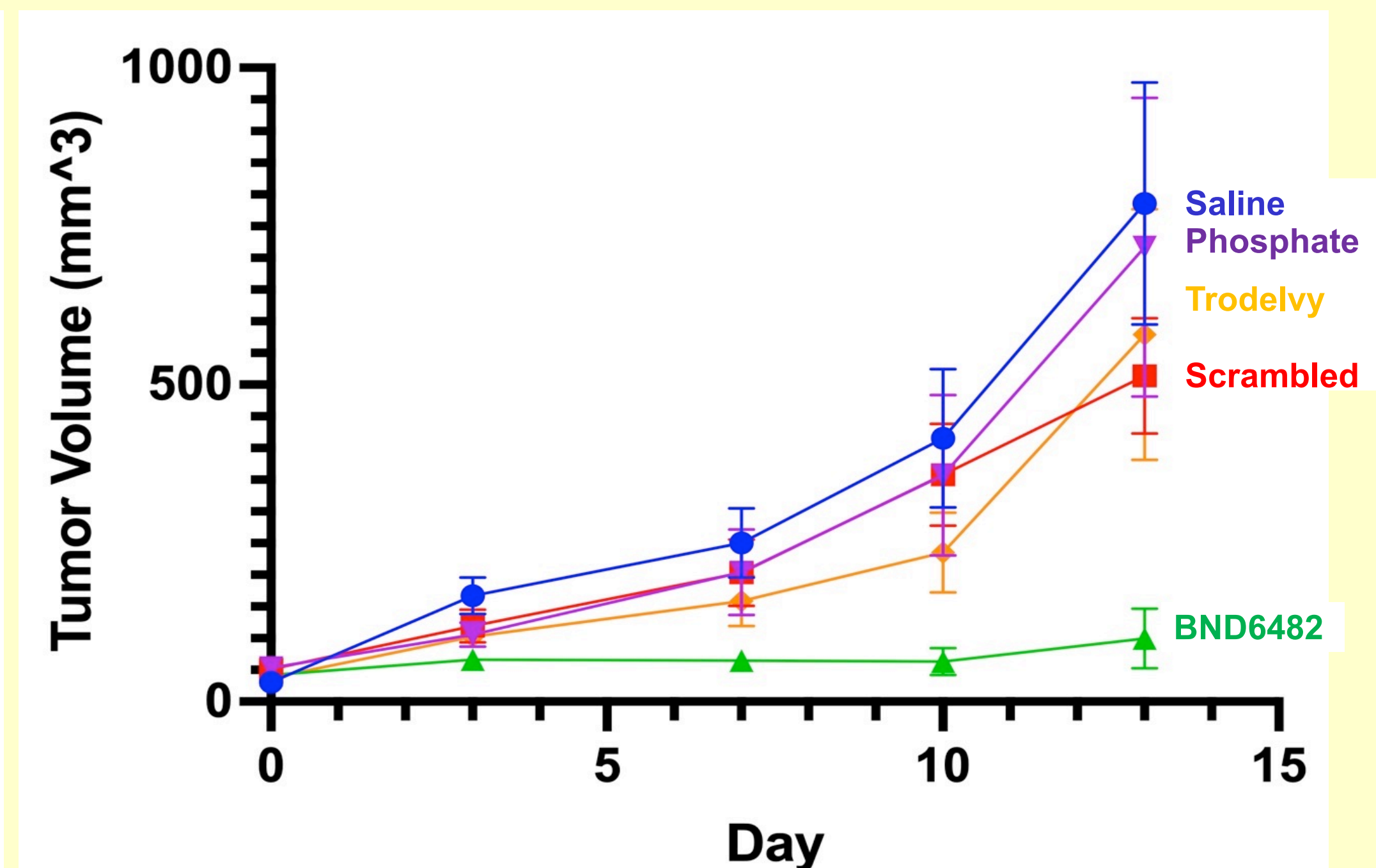
BOUND Tx BND5412 miR-21 inhibitor led to an over 8-fold reduction in cell proliferation across seven human triple-negative breast cancer cell models during a 4-day period

Time-course Fluorescent-Labeled BND6482 Delivery in TNBC Tumors



Changes in BOUND TX AlexaFluor647-BND6482 miR-21 Inhibitor Accumulation in EMT6 Triple-Negative Breast Cancer Allografts in Female Balb/c Mice Following a Single 5 mg/kg Intraperitoneal Injection

In-vivo POC Efficacy: BND6482 Inhibited TNBC Tumor Growth



Administration of BOUND Tx BND6482 at 5 mg/kg-IP BIW, the progression of tumor volumes in EMT6 orthotopic TNBC allografts localized within mammary adipose tissue was halted. In contrast, the controls: vehicle, mismatched RNA, anti-Trop-2-irinotecan conjugate Trodelvy (SOC) demonstrated persistent tumor growth. Sample size N=5. Error bars represent the standard error of the mean (SEM)

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