

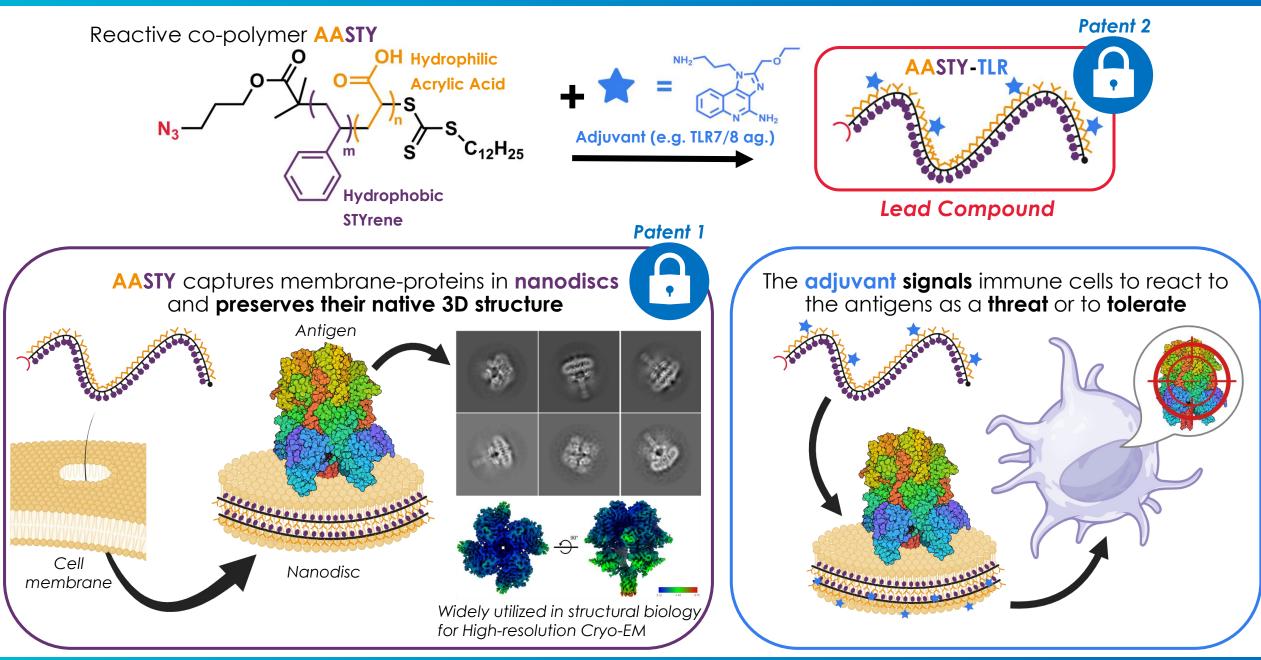
# POLYCEUTIX

Utilizing the unique antigen-presenting **potential of nanodiscs** to unlock the power of the immune system

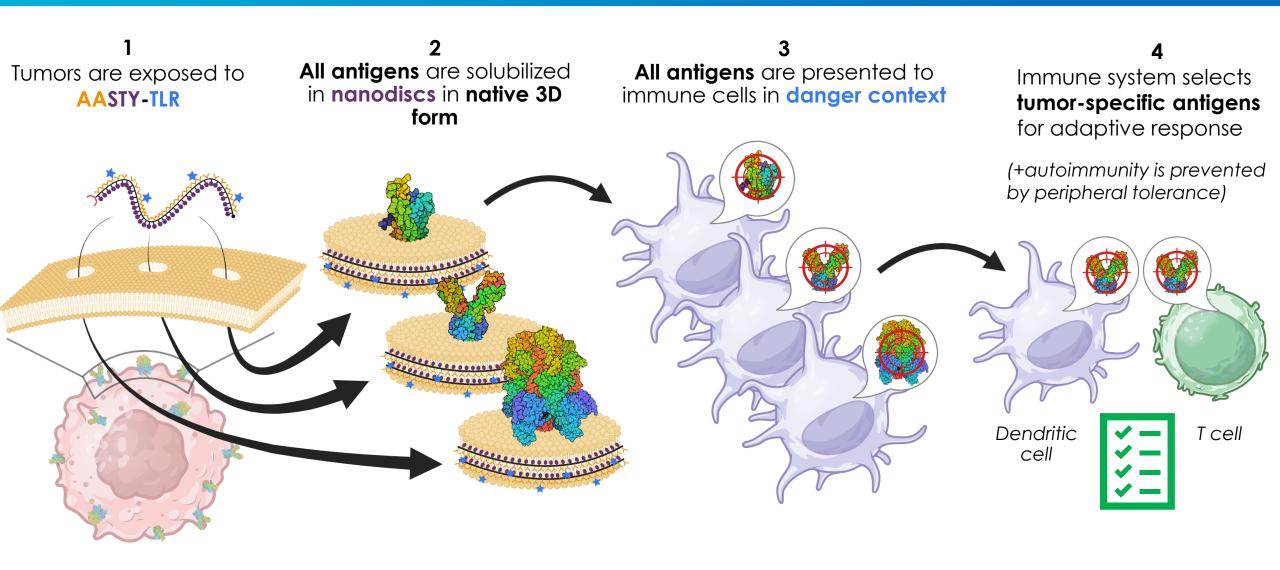
Mads Holmegaard Sørensen, PharmD, MBA Co-Founder

# AASTY: Polymers that isolates structurally native proteins in nanodiscs

### POLYCEUTIX



## AASTY enables the natural antigen selection process

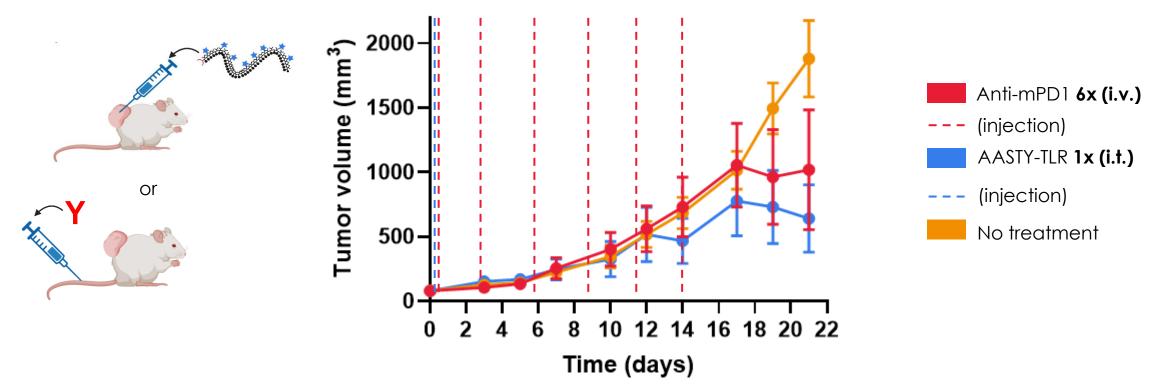


While so little is known about the selection of neoantigens, AASTY-TLR lets the immune system make the right decisions by itself

PULYCEUTIX

**Model:** CT26 = Aggressive, hot tumor. 80-150 mm<sup>3</sup> at treatment start

**Objective:** AASTY-TLR **single** injection potential and comparative efficacy



#### Average tumor volumes

Single injection of AASTY-TLR has high efficacy and is better than six injections of the best immunotherapy on the market

## AASTY-TLR therapy is well tolerated in short & long term

PICLYCEUTIX

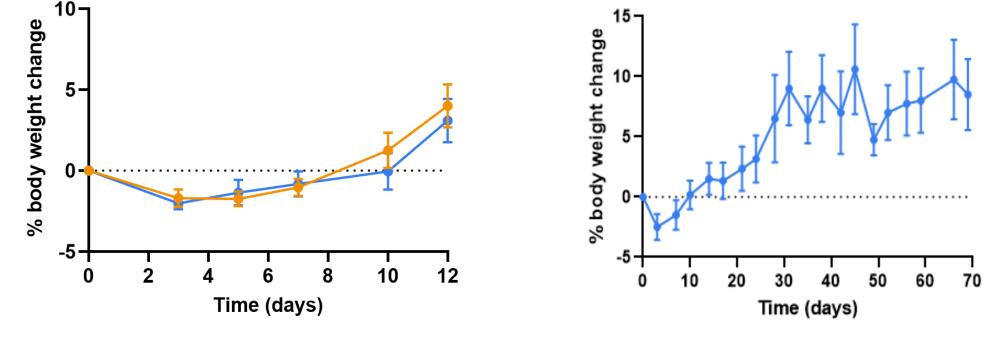


Model: CT26 (and all other cancer models tested)

**Objective:** Safety and toxicity

AASTY-TLR in **short term** 

AASTY-TLR in long term

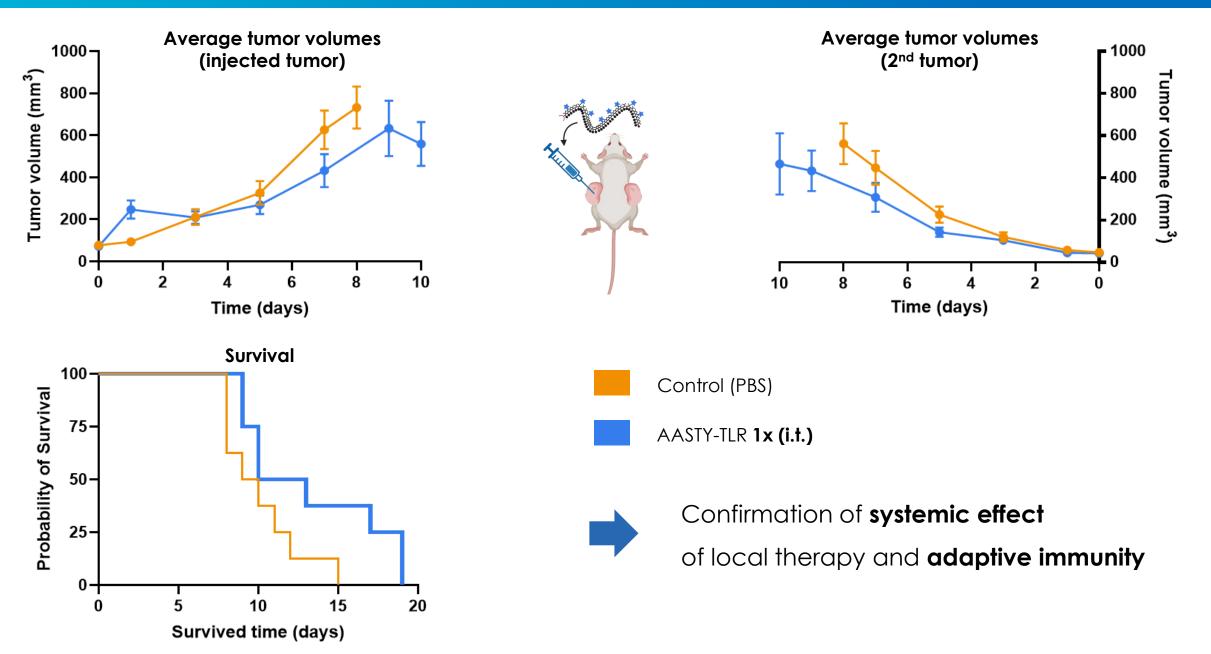




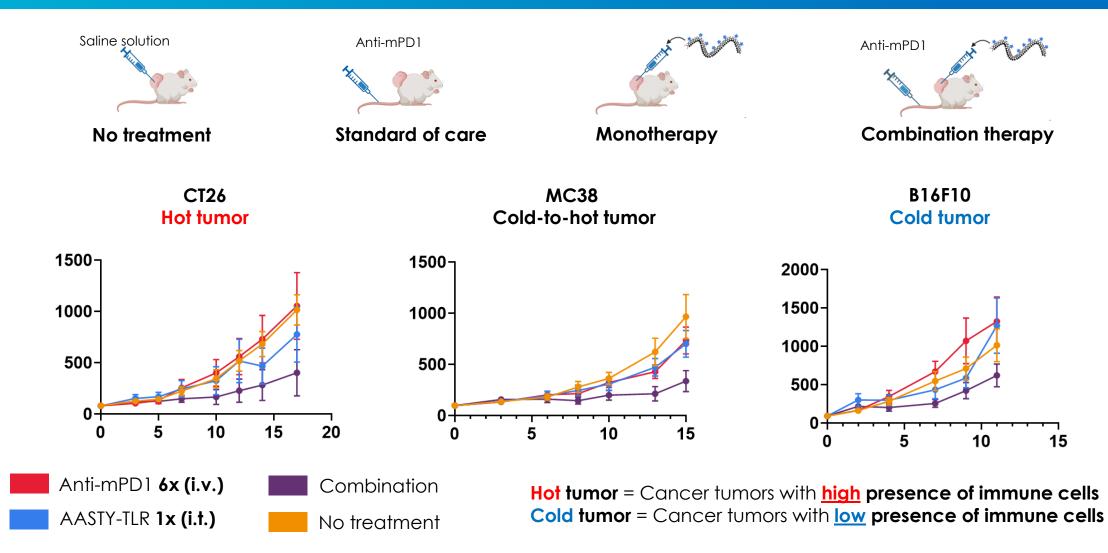
**No signs of short term & long-term toxicity** over 10+ experiments

#### Bilateral tumor model confirms systemic efficacy

## P



### AASTY-TLR is synergistic with checkpoint inhibition

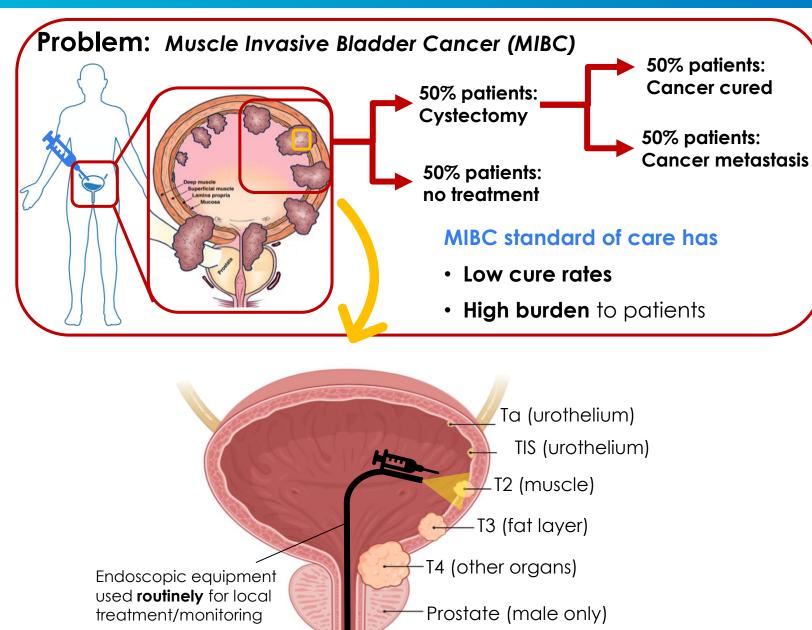


**Synergistic effect** of combination, consistent with mode of actions (kick off vs potentiation of immune response).

# AASTY-TLR has key advantages over competing technologies

	AASTY-TLR	Oncolytic Virus	Gene Therapy	Off-the-shelf Vaccine	Personalized Vaccine	ADC / ISAC
Example	PICLYCEUTIX	(talimogene laherparepvec)	asgard THERAPEUTICS	nykode	BIONTECH	PADCEV enfortumab vedotin-eifv
Single Treatment	$\checkmark$	×	X	X	X	×
Native Antigen Presentation*	$\checkmark$	×	$\checkmark$	×	×	×
Adaptive Immunity**	$\checkmark$	×	$\checkmark$	$\checkmark$	$\checkmark$	×
Target Agnostic	$\checkmark$	×	$\checkmark$	×	***	×
Systemic Administration	×	×	×	$\checkmark$	$\checkmark$	$\checkmark$
Low-burden Logistics	$\checkmark$	X	×	$\checkmark$	X	$\checkmark$

# Customer and market research confirm MIBC as an ideal beachhead for AASTY-TLR PACEUTIX



## Market potential

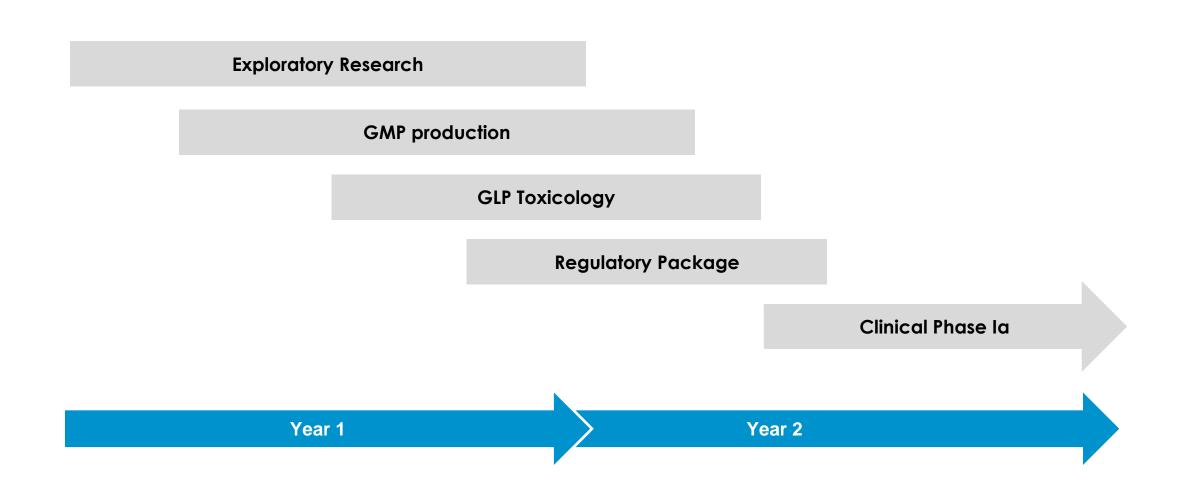
Total market size of Bladder Cancer: **\$ 4.0 Billion** 

Growing market with CAGR 15.8%

Incidence of MIBC >100,000, growing 2.2%/year

Estimated peak sales for AASTY-TLR in MIBC: **\$ 1.2 B** 

Potential use in several other cancers



**Core Team** 

#### **Consultants**

**Scientific Advisors** 









Nicklas Roest **Regulatory** specialist



#### CBO



**Mads Holmegaard Sørensen** PharmD, MBA, Co-Founder

FERRING

#### **Principal Scientist**





**INSA** Lonza



Ass. Prof. Eric Appel (Chair) Dept. of Material Science & Eng. Stanford University



Prof. Jørgen Bjerggaard, Dept of Urology, Aarhus University Hospital



Dr. Kristoffer Rohberg Head of Oncology Phase I Unit, Rigshospitalet



Prof. Ashish Kamat Dept of Urology, MD Anderson

11

#### VP of Non-Clinical Dev







DTU

PhD

