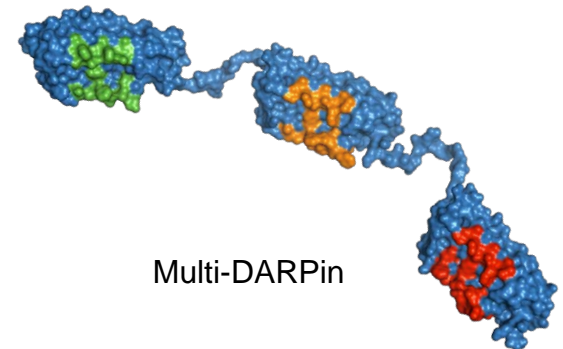
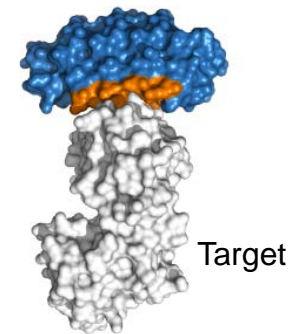


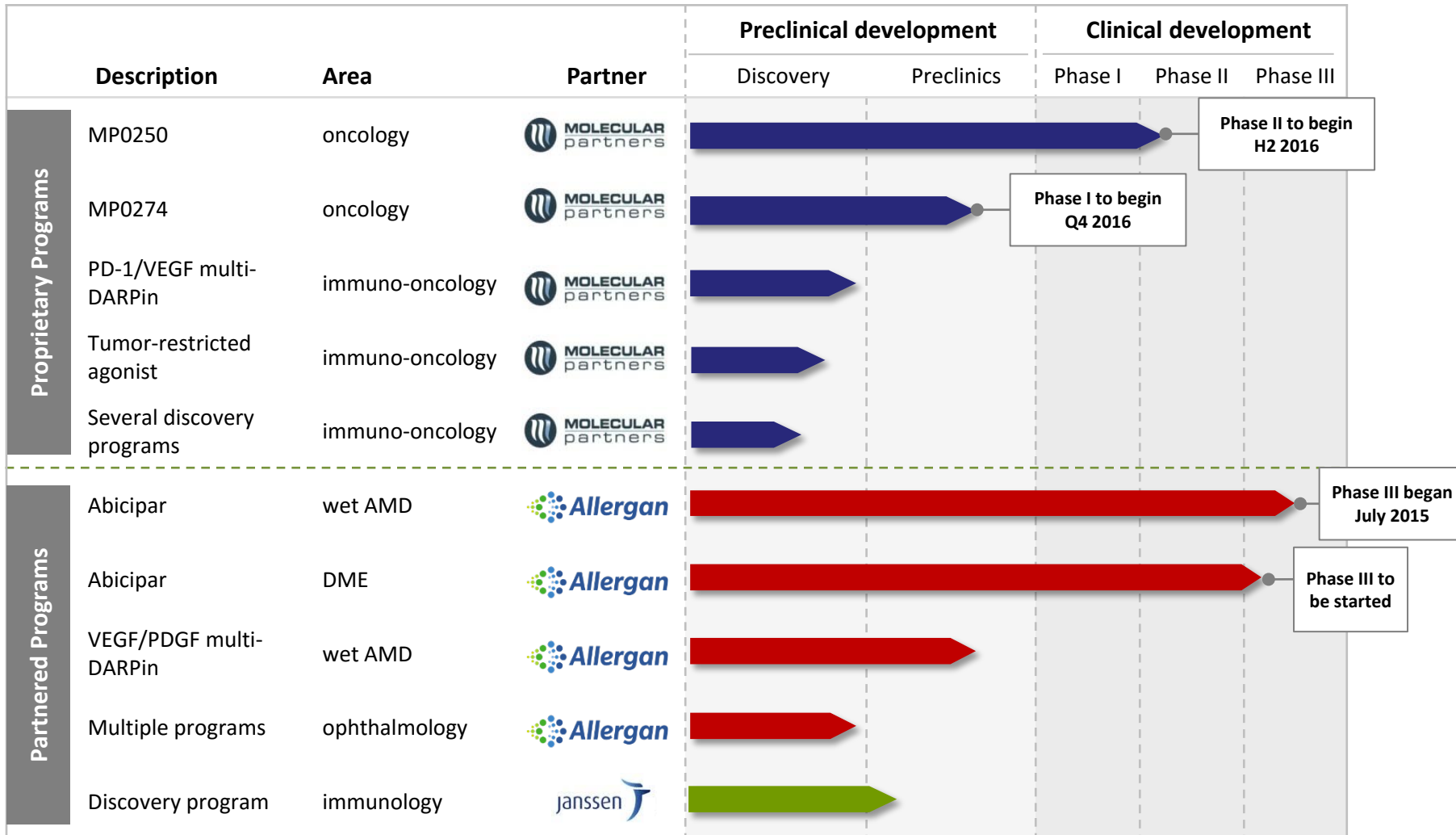
Molecular Partners Develops DARPinTM: A Novel Class of Protein Therapeutics

- **DARPin** are derived from natural binding proteins
- **Mono-DARPin** as ideal drug building block
 - Fast and robust selection and discovery process
 - Small, potent binding proteins
 - Pronounced class behavior (high stability, solubility, manufacturing)
- **Multi-DARPin** combine multiple activities in one molecule
 - Fast and simple genetic fusion of mono-DARPin
 - Unchanged biophysical properties (high developability)

Mono-DARPin



Broad Pipeline for Unmet Patient Need



Cancer Progress by Defined Health
 New York, NY | March 8 - 9, 2016

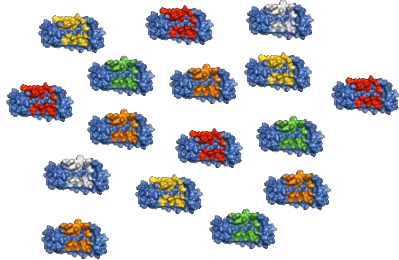


How Do We Pick Our Programs?

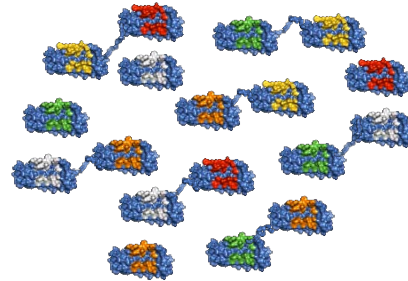
- Foster innovation
 - Build a culture of innovation with low hurdles to start – but also to kill – projects
 - The next experiment should aim to prove that the approach is wrong
- Use your technology and processes to get differentiated molecules
 - Go for those candidates with the strongest differentiation based on your approach
- Do not take risks that can be avoided
 - Differentiation with novel biology can be very risky and unpredictable
- Get the right team in place to position your molecule clinically

Combinatorial Search for Differentiated Molecules

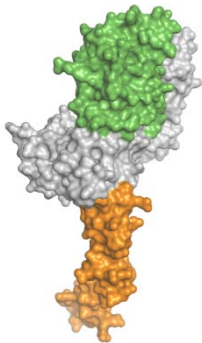
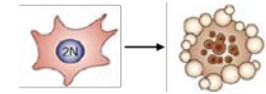
Diverse pool of mono-DARPin
against different epitopes of HER2



Combinatorial generation of
multi-DARPin

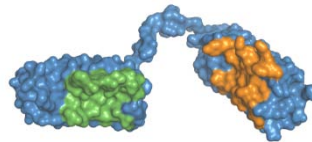


Screening on HER2+
cancer cells for
apoptosis

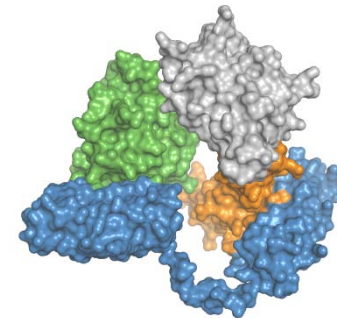


Active conformation
of HER2 receptor

our model



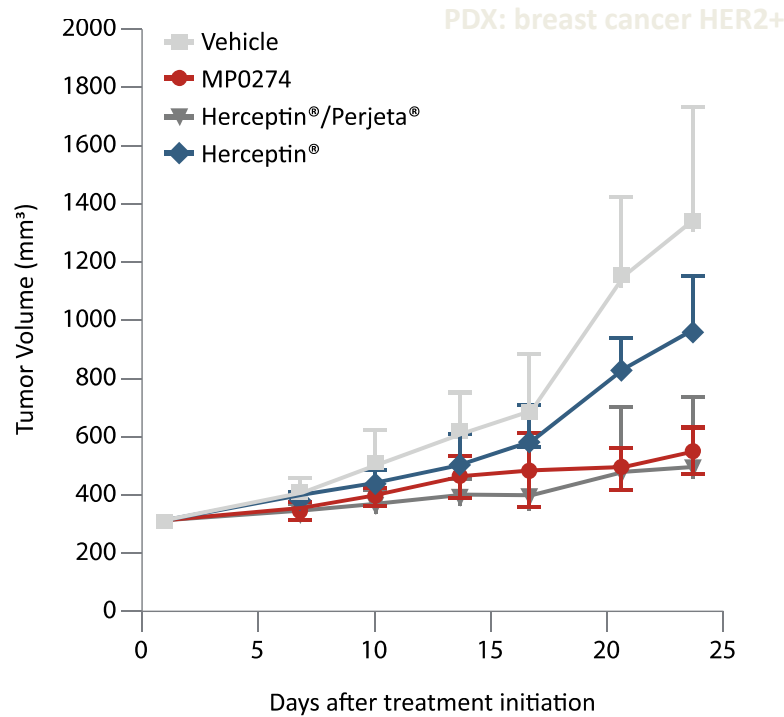
DARPin "handcuff"



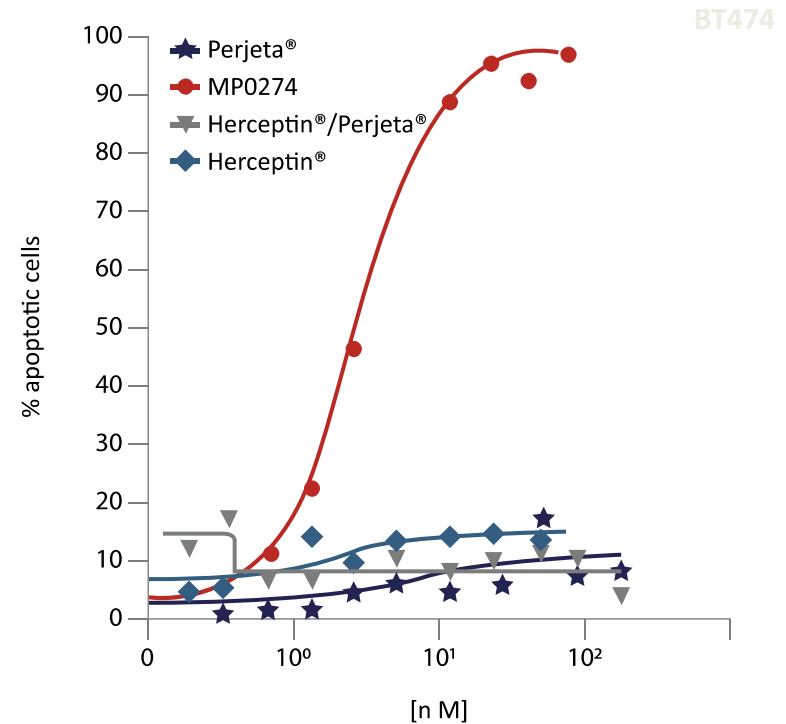
Inactive conformation
of HER2 after
"handcuffing"

HER2: Novel MOA Against an Established Target

Tumor volume



Tumor cell apoptosis



- Direct induction of tumor cell death (apoptosis) unique to MP0274
- Higher potency than Herceptin in HER2+ tumor models
- Comparable potency to Herceptin/Perjeta combination in HER2+ tumor models

Our Strategy in Immune-oncology

- Enhancing immune checkpoint modulators (ICMs)
 - Combine established I/O targets with validated enhancers
 - Superior efficacy with minimal target risk
- Unleashing the potential of agonists in I/O
 - Enhanced efficacy with decreased systemic toxicity
 - Activate ICMs in the tumor while being inactive in circulation
- Freedom to operate on well-validated targets
 - Unlock access to proprietary (IP-blocked) targets with strong validation
- Platform for rapid generation of drug candidates against emerging targets

Unleashing the Potential of Agonists in I/O

- Agonistic ICMs are highly potent but often toxic
 - T-cell activation happens upon receptor clustering
 - Antibodies cluster via Fc in the tumor and in circulation
 - T-cell activation in the circulation can lead to severe toxicity
- Selective activation of T-cells in tumors with multi-DARPin on tumor stroma

