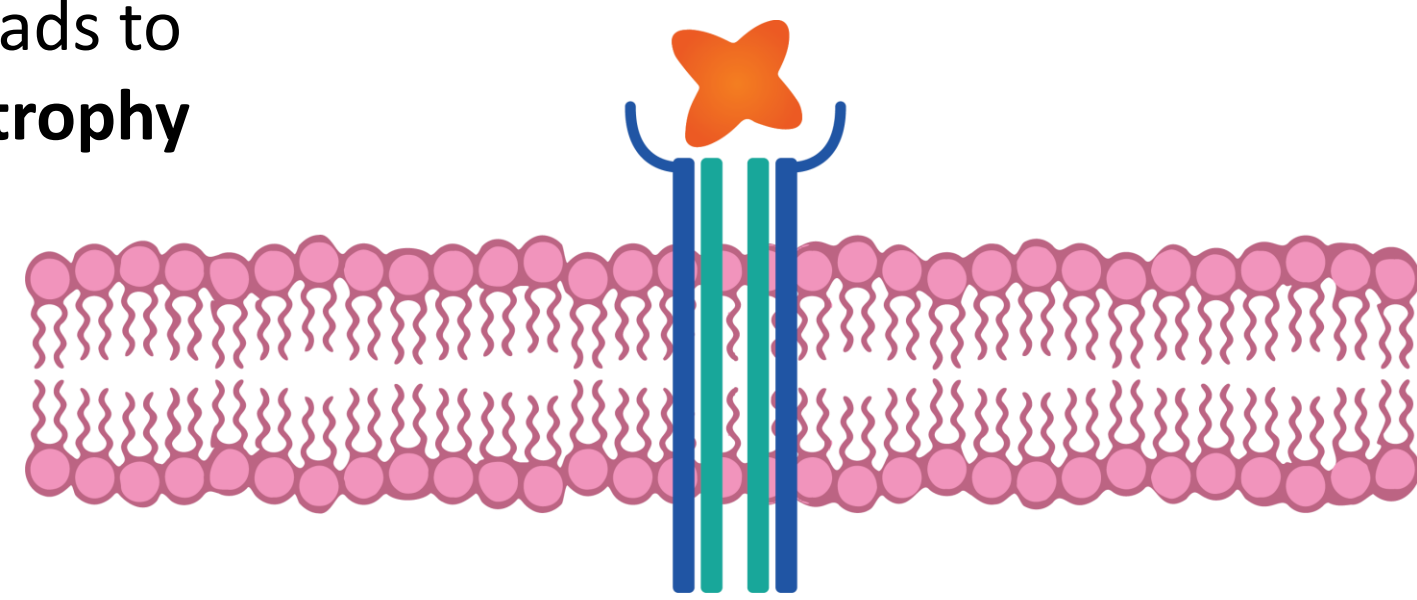


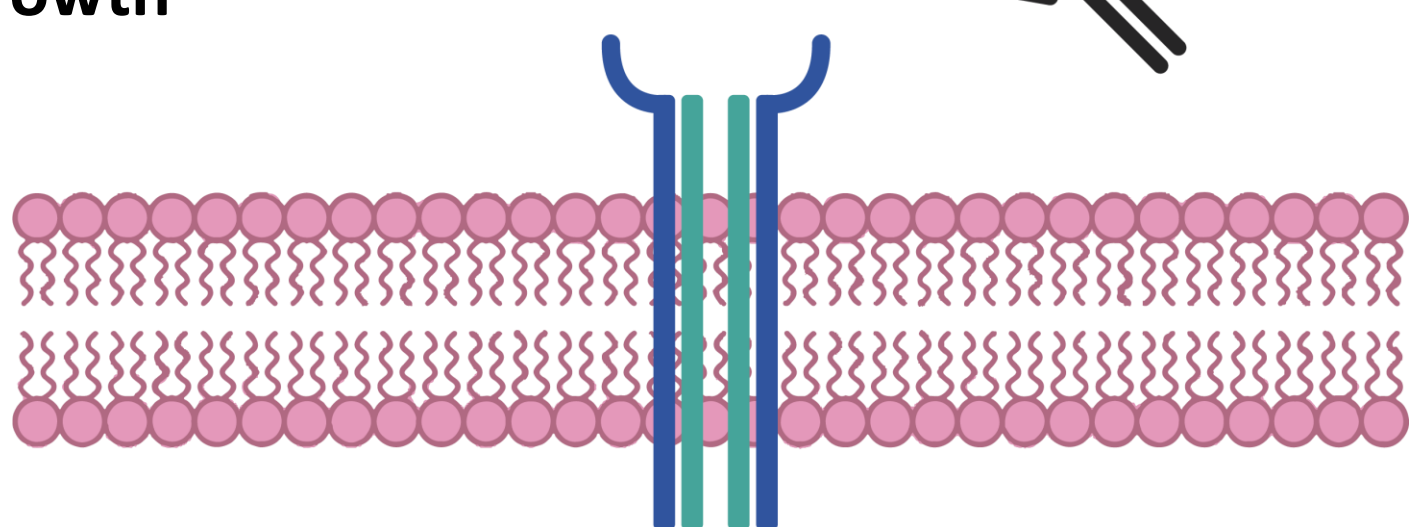
## IBIO-600: Long-Acting Anti-Myostatin Antibody

### Why target myostatin?

Binding of Myostatin to cells leads to muscle atrophy



Blocking of Myostatin leads to muscle growth



### IBIO-600 differentiation

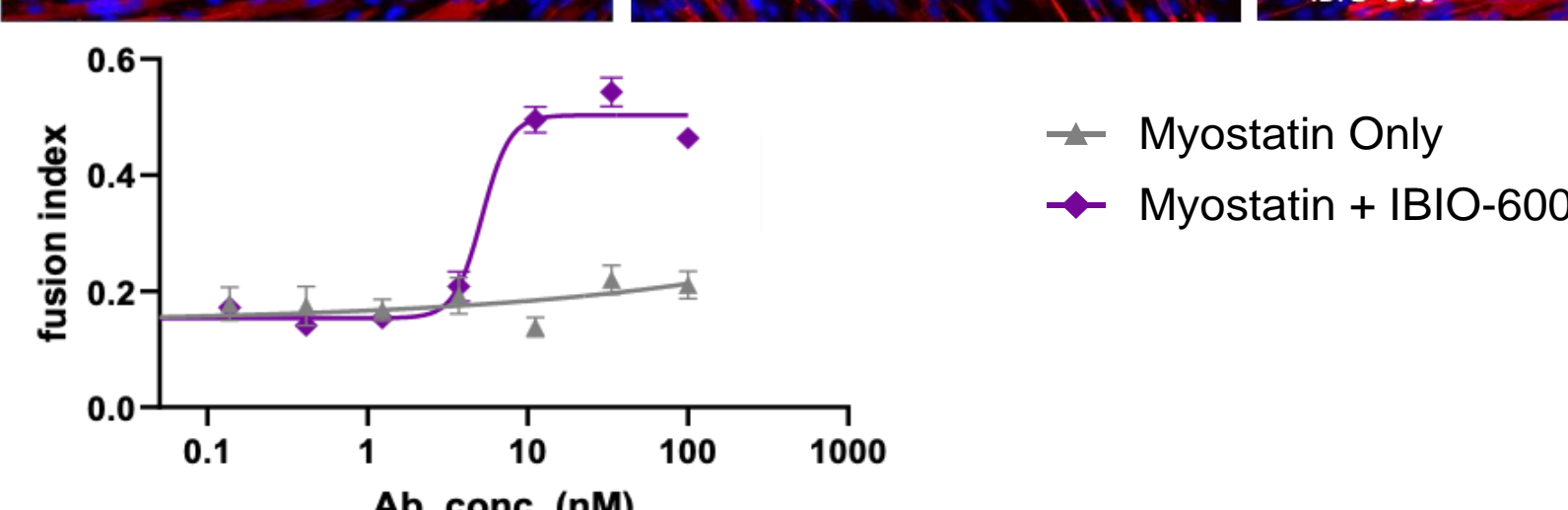
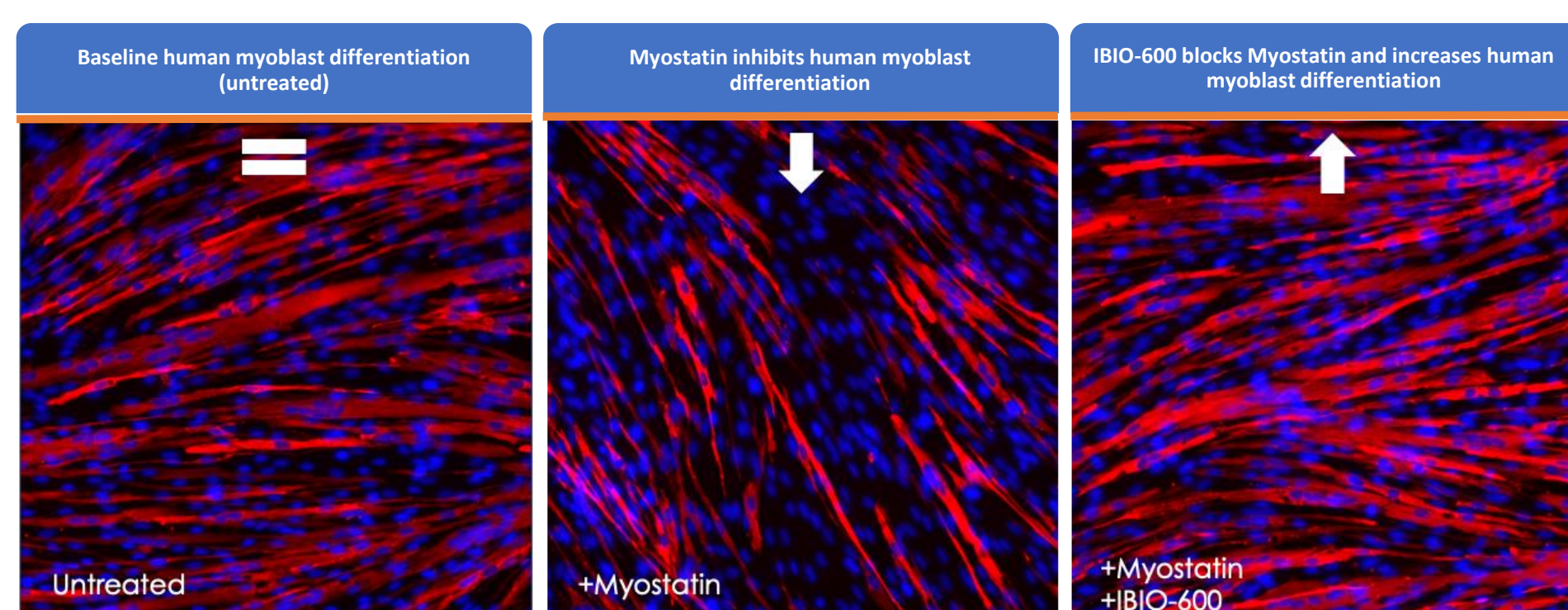
**First-in-class innovation:** First Myostatin therapy tailored for large, chronic disease populations

**Convenient Dosing:** Half-life extension anticipated to support dosing every 2-3 months

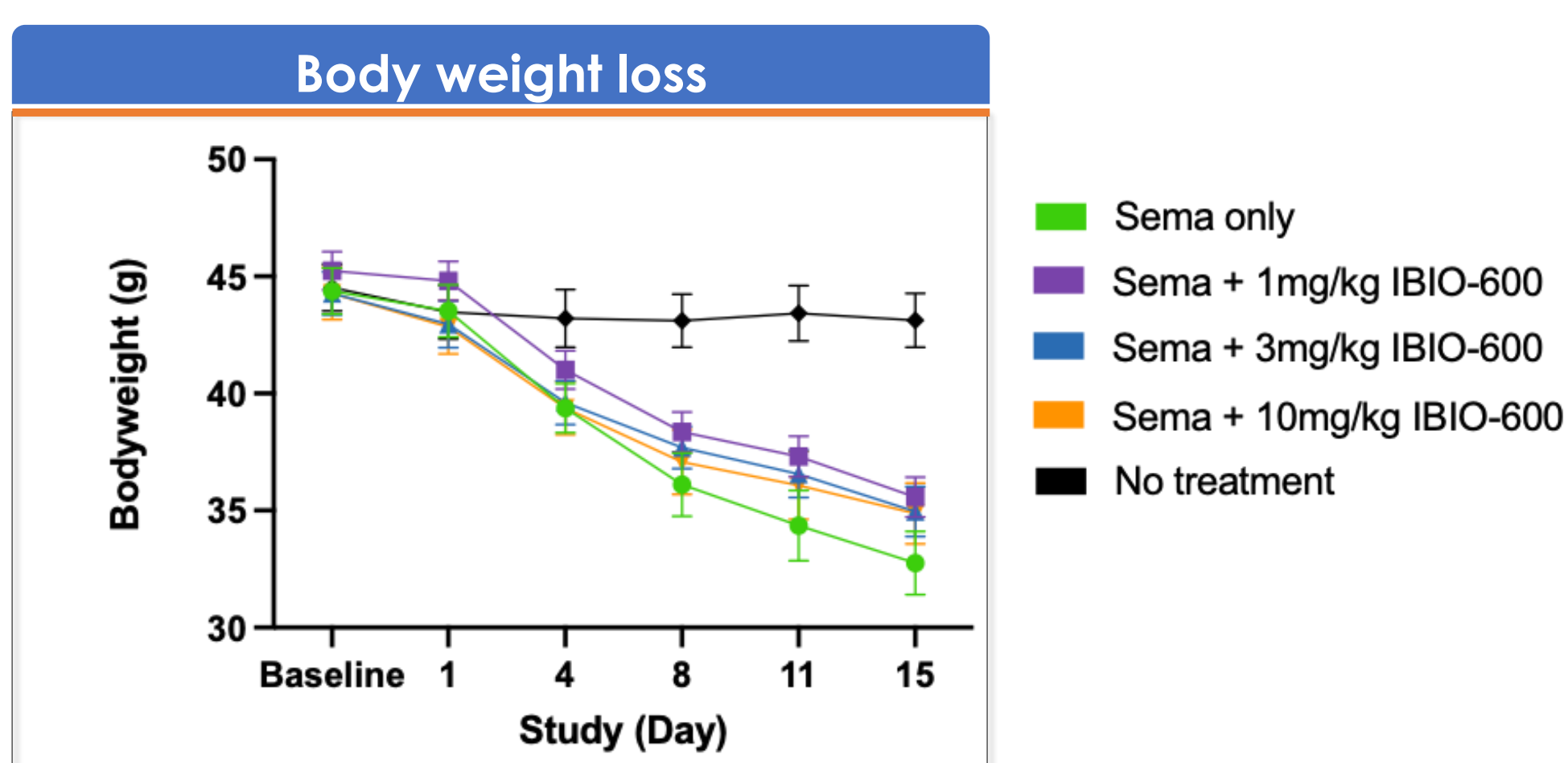
**Broad Potential:** Opportunities for expansion into sarcopenia, frailty, and other age-related disorders

**Highly Developable:** Resistant to various stress conditions, improved expression, high thermostability

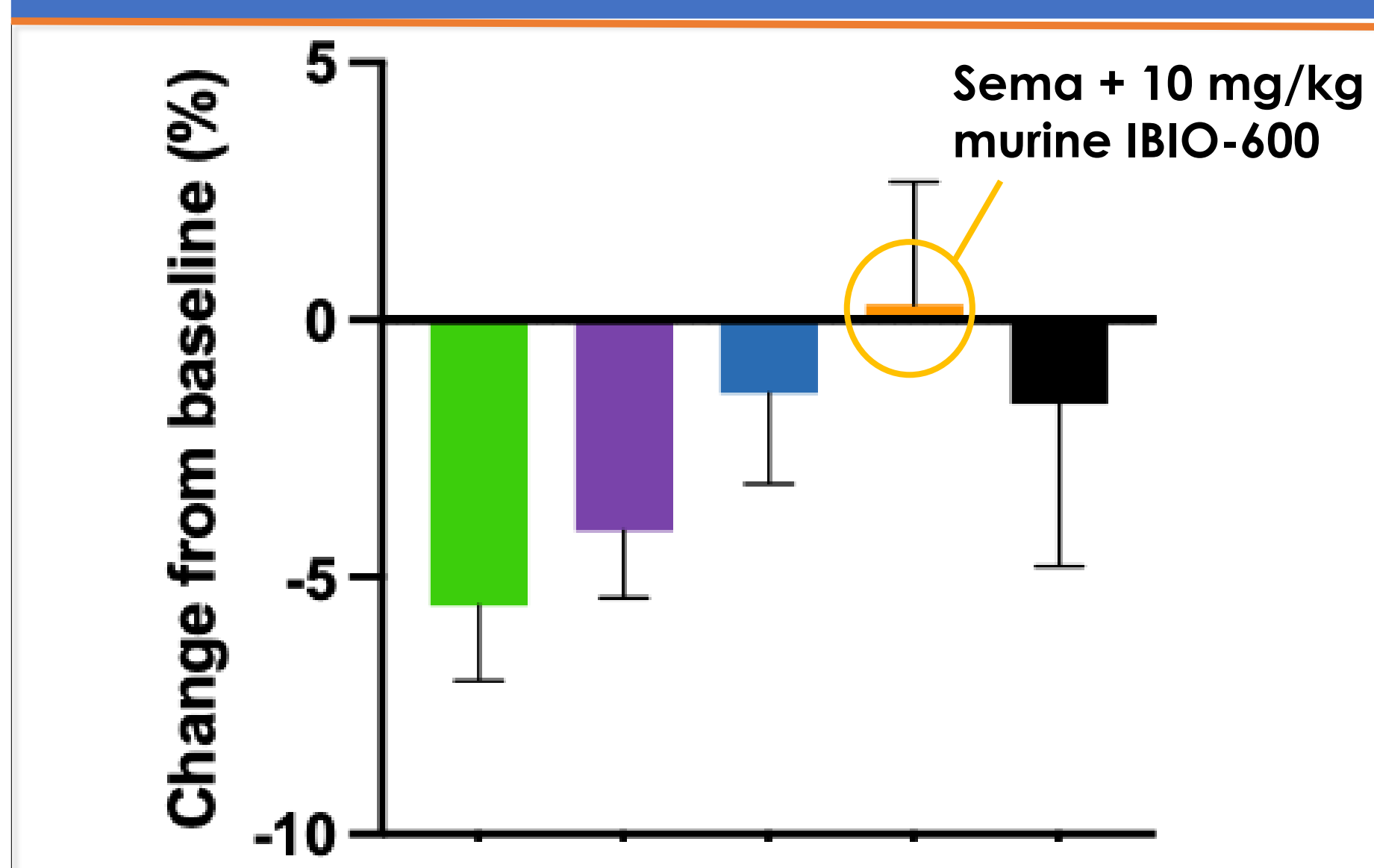
### High potency in primary human myoblast cells



### DIO mouse efficacy study

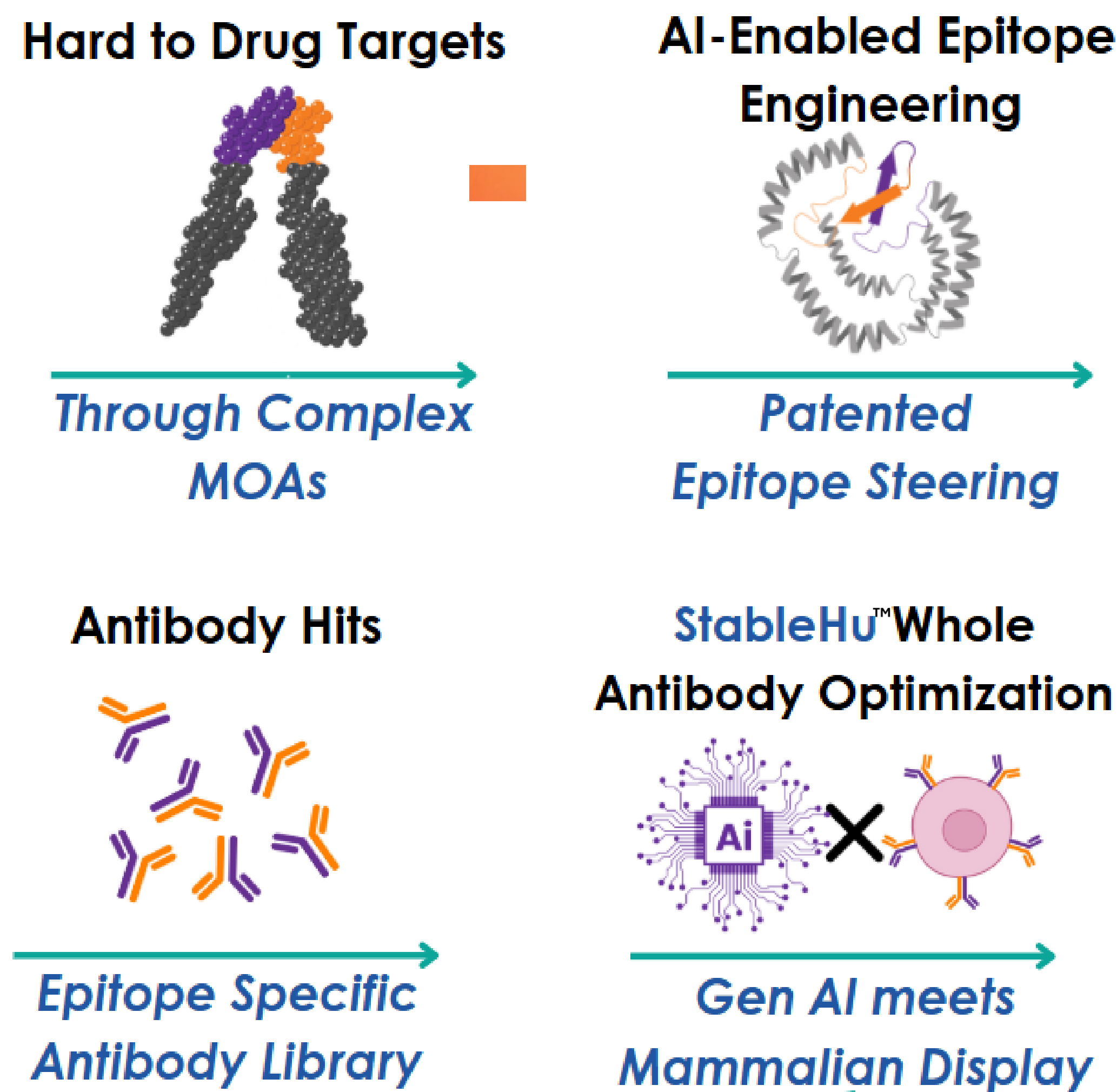


### Lean mass preservation at day 14



## iBio Technology Stack is a Fully Integrated Solution for Antibody Discovery

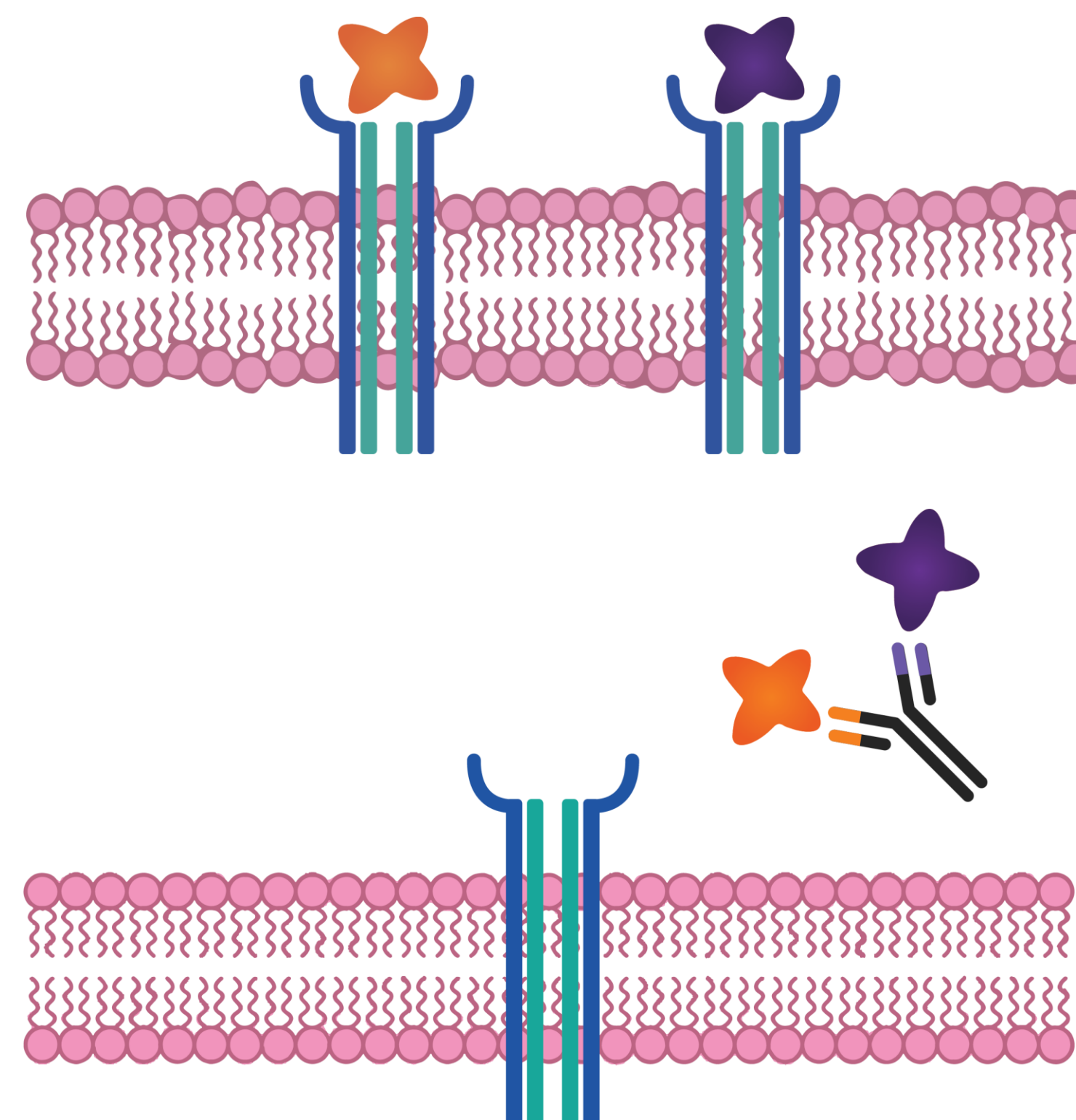
Deploy several different AI-enabled tools to discover and develop antibodies with robust drug properties



## Anti-Myostatin x Activin A Bispecific Antibody

### Why target myostatin and activin A together?

Binding of Myostatin and/or Activin A to cells leads to muscle atrophy



Simultaneous blocking of Myostatin and Activin A leads to muscle growth

### iBio differentiation

**First-in-class innovation:** Myostatin x Activin A bispecific antibody with unique therapeutic potential

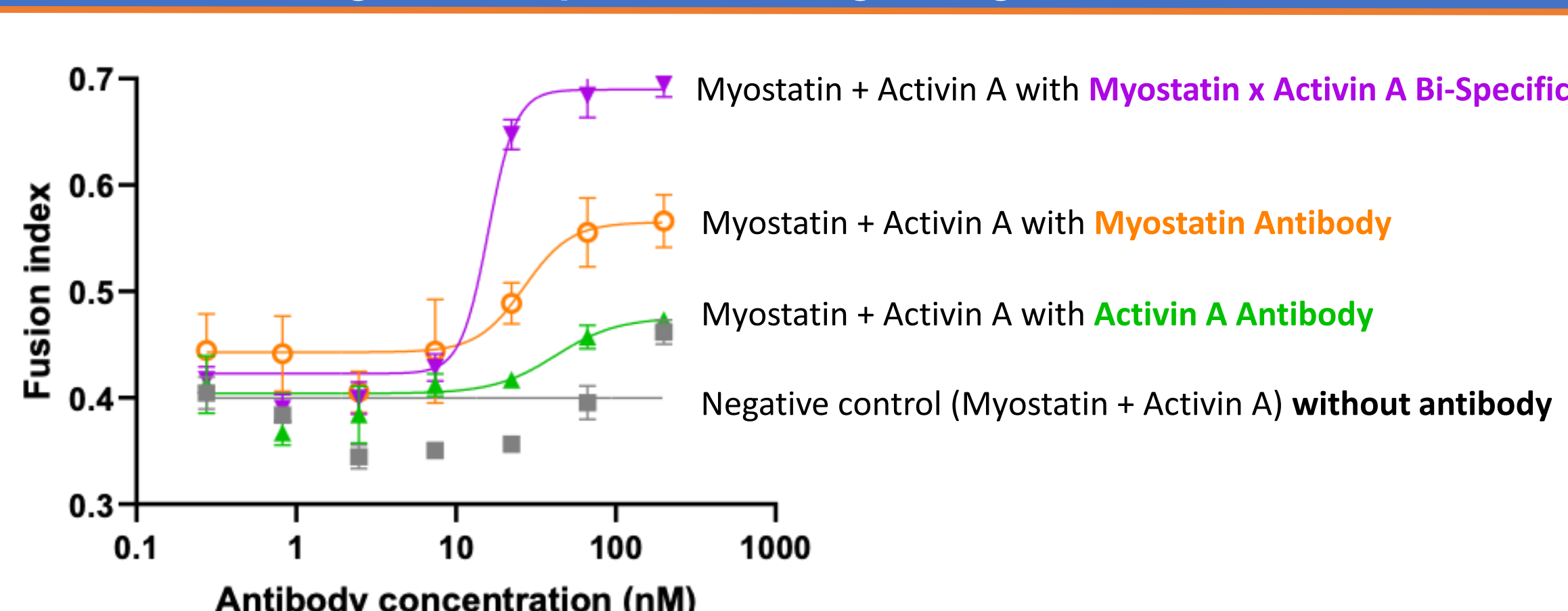
**Convenient Dosing:** Half-life extension potentially enables dosing every 2-3 months

**Optimize Potency:** Higher-valency antibody format might increase potency and reduce dose

**Potential Advantage:** Avoids bone morphogenic protein (BMP) inhibition, minimizing bleeding risks associated with ligand traps

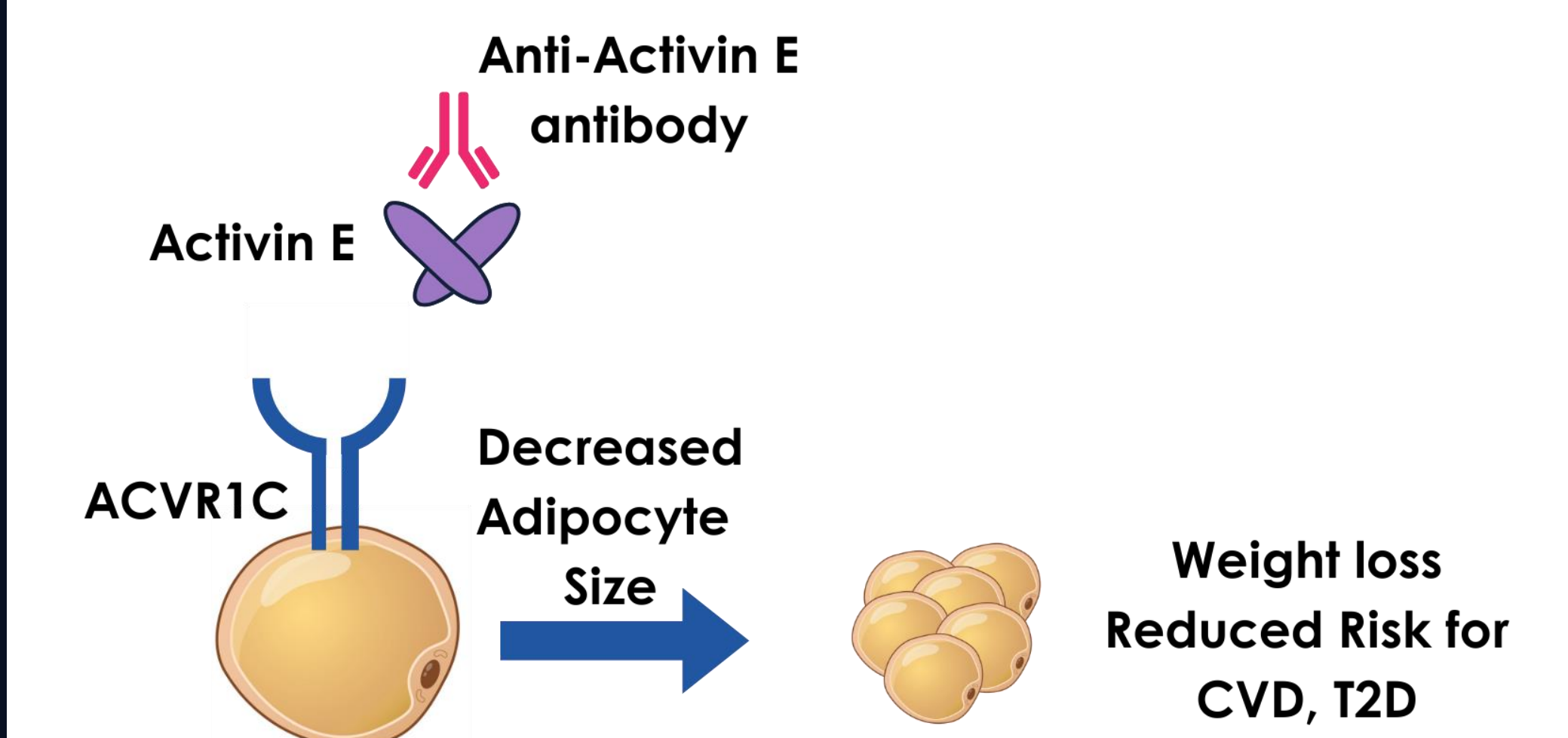
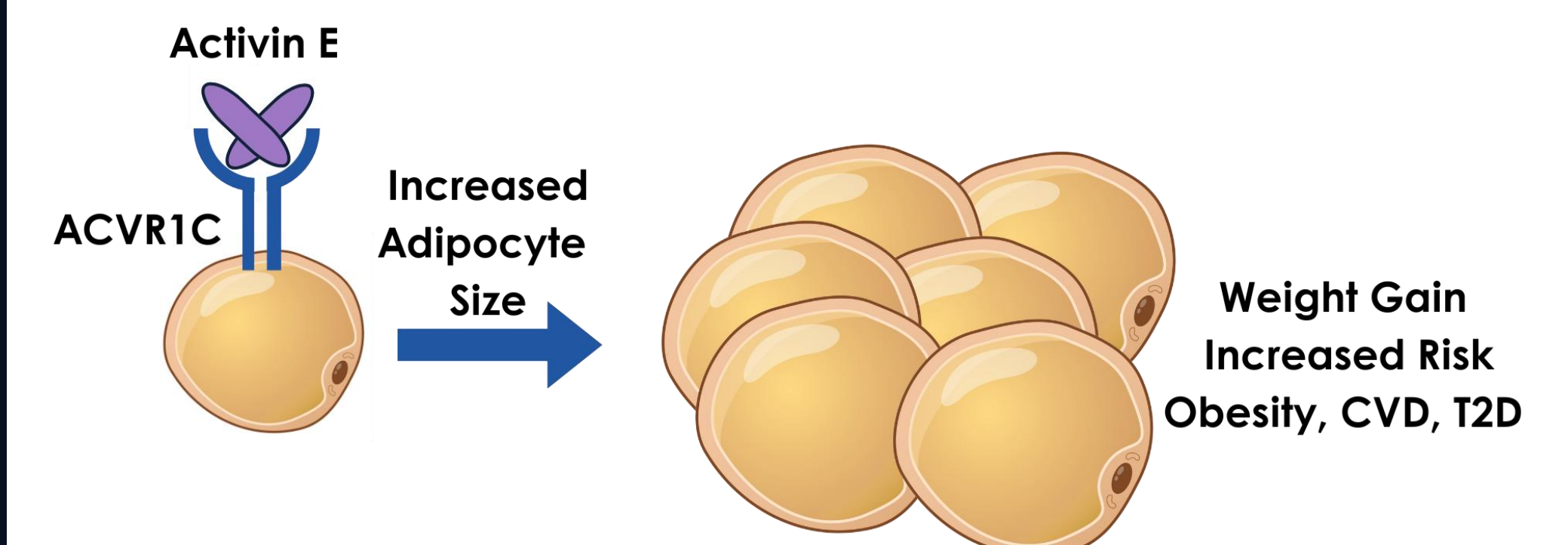
### Combinatorial effects on primary human myoblast cells in cell-based assay

Robust blockade of both muscle growth suppressors, enabling increased muscle growth beyond what single-target antibodies achieve



## Activin E Antagonist Antibody

### Why target activin E?

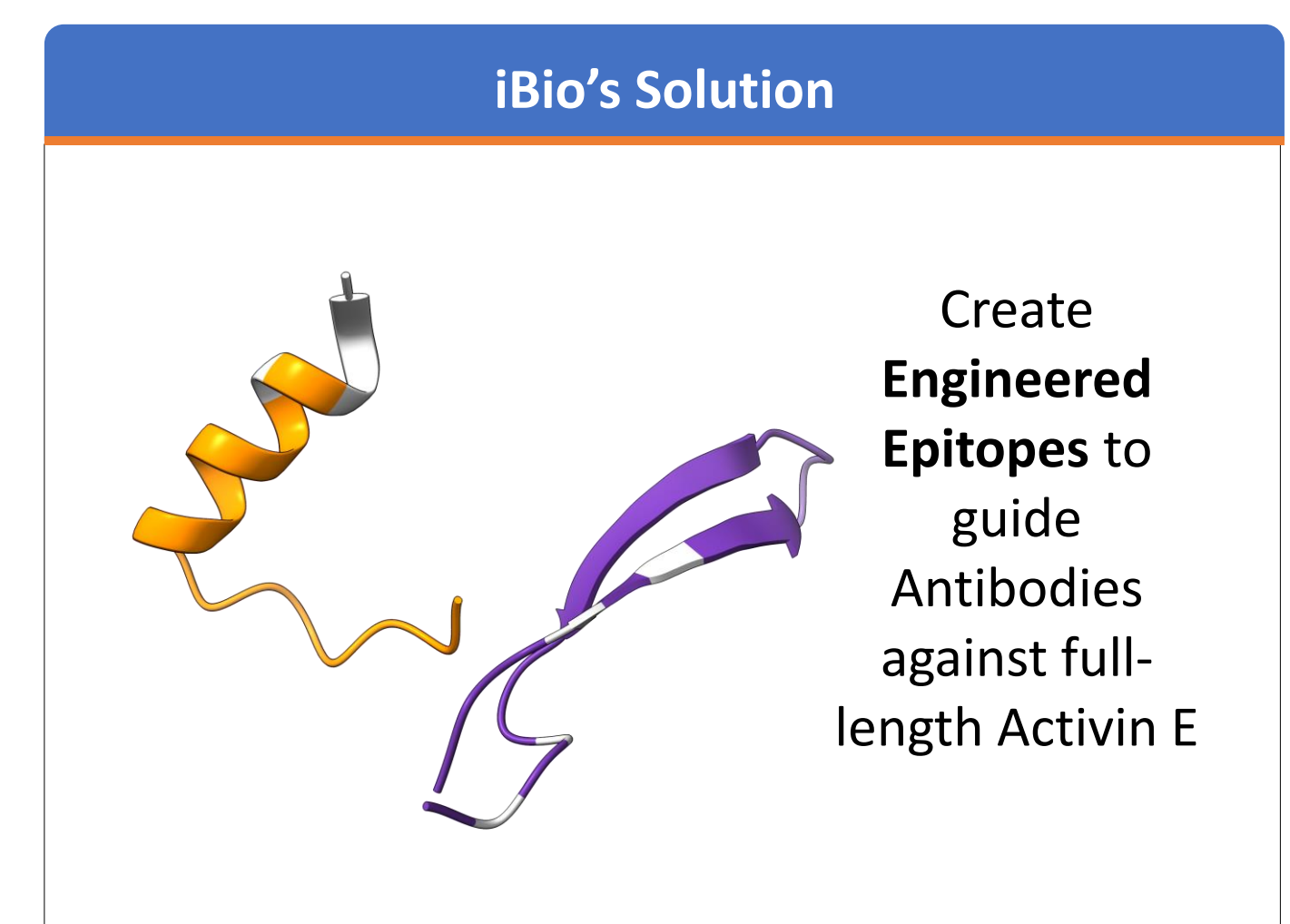
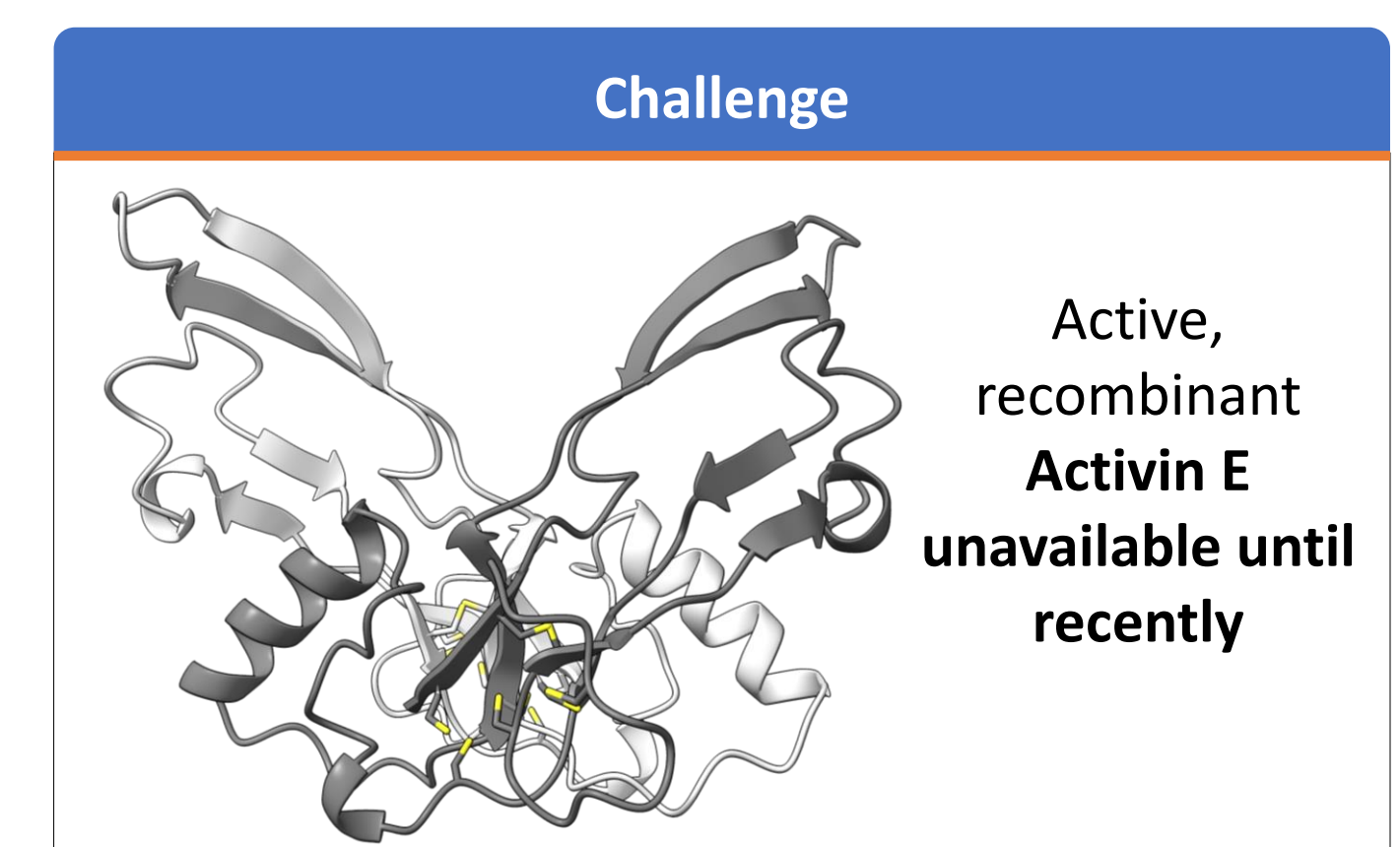


### iBio Differentiation

**Innovative AI solution:** Epitope steering engine overcame the challenge of full-length Activin E unavailability, creating a first-in-class antibody targeting Activin E

**Convenient Dosing:** Half-life extension potentially enables dosing every 2-3 months

**Versatile Combinability:** Easily integrates with other TGFβ family targets into bispecific antibodies, offering a potential alternative to incretin drugs (fat-specific weight loss with increase in muscle mass)



## First-in-class activin E antagonist mAb

### Potent blockade of activin E signaling in cell-based assay

