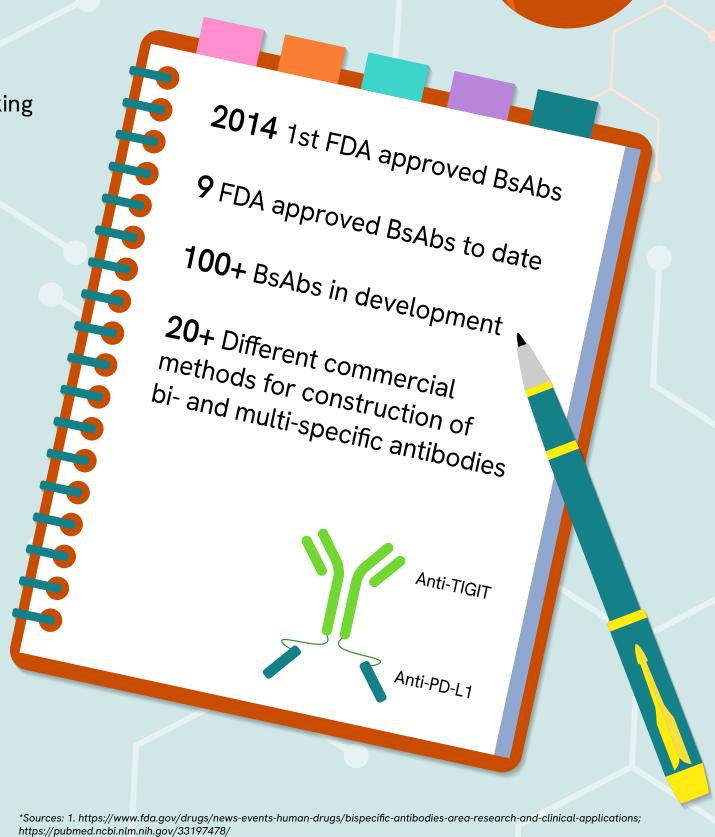
Addressing the challenges in modern biotherapeutic development.

Next-generation approaches to enable the development and characterization of biotherapeutics applications.

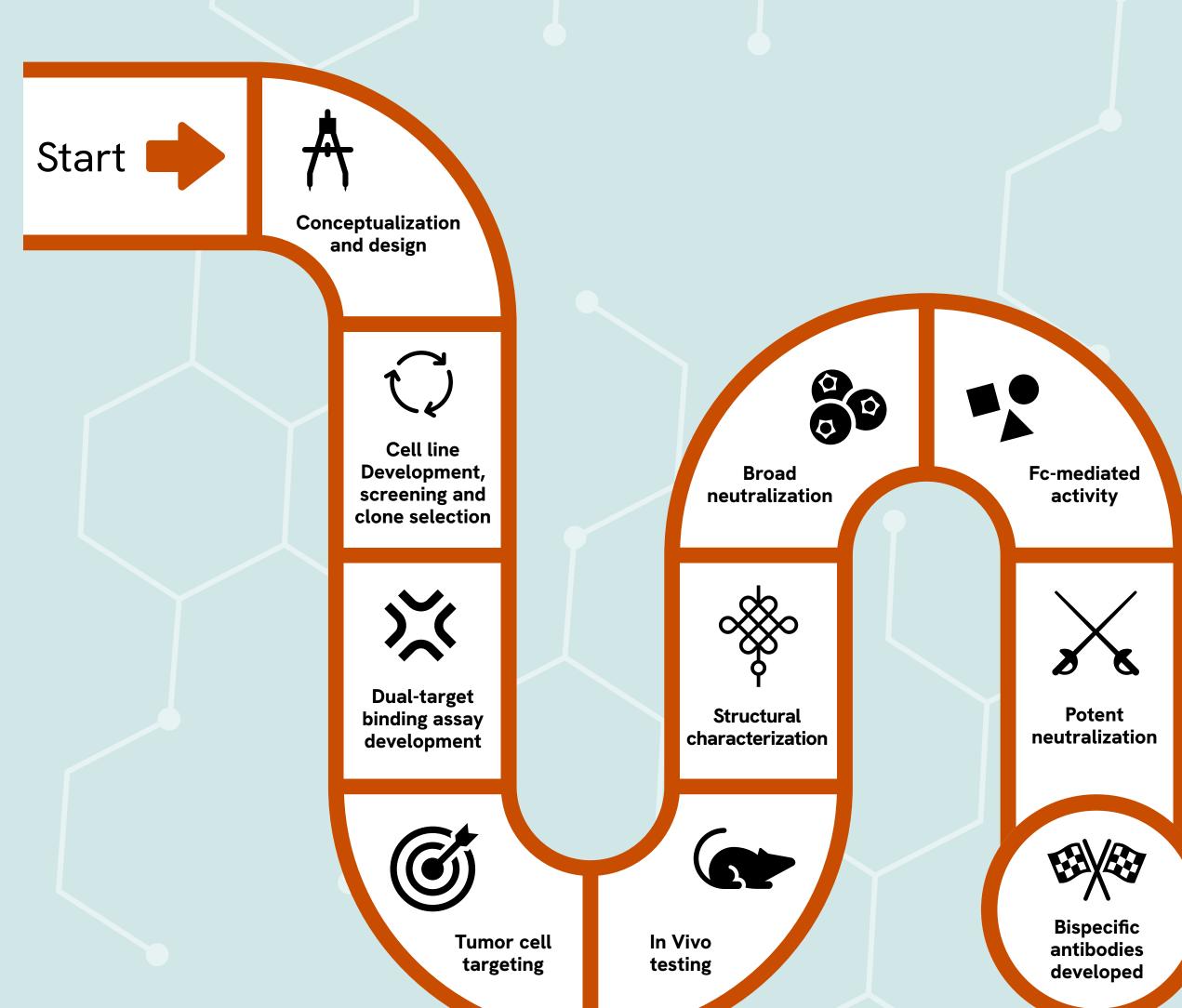
Charting the frontier: a journey through bispecific antibodies.

Embark on a journey through the intricate landscape of bispecific (BsAbs) and multispecific antibodies where innovation and discovery pave the way for groundbreaking therapies - novel frontiers in immunotherapy.





The path to bispecific antibodies



Challenges in BsAb development

Screening Screening for BsAbs with desired binding

properties can be

for identification of antibodies are essential.

complex. HTS methods

the same antigen with high specificity and affinity. Correct pairing

Dual binding

BsAbs engineered to bind

two different epitopes on

of the antibody fragments is critical.



BsAb development and production involves significant expertise and complex protocols to drive multiple steps from engineering the

fragments, expression and purification, and

characterization of the final product.

carefully designed to ensure the desired biological activity - induce cell killing or immune modulation.

Pharmacodynamics

Revvity's solutions for your

Pharmacodynamics of BsAbs is complex

with multiple protein-protein interactions

on the same molecule which must be

data management and analysis is key to a streamlined and digitized process leading to a smooth scale up.

Digitization and analysis

Since the process involves multiple

steps with careful characterization,

Finish line

appropriate tissue or cell type. Factors such as antibody size, affinity, and binding

orientation can impact tissue tropism and influence the pharmacokinetics and efficacy of the bispecific antibody.

Tissue tropism

designed to target the

BsAbs must be

reproducibility is critical, which requires constant process optimization.

Time consuming process

factors such as the cell line,

BsAb development can be affected by

transfection efficiency, and protein

stability. Ensuring consistency and

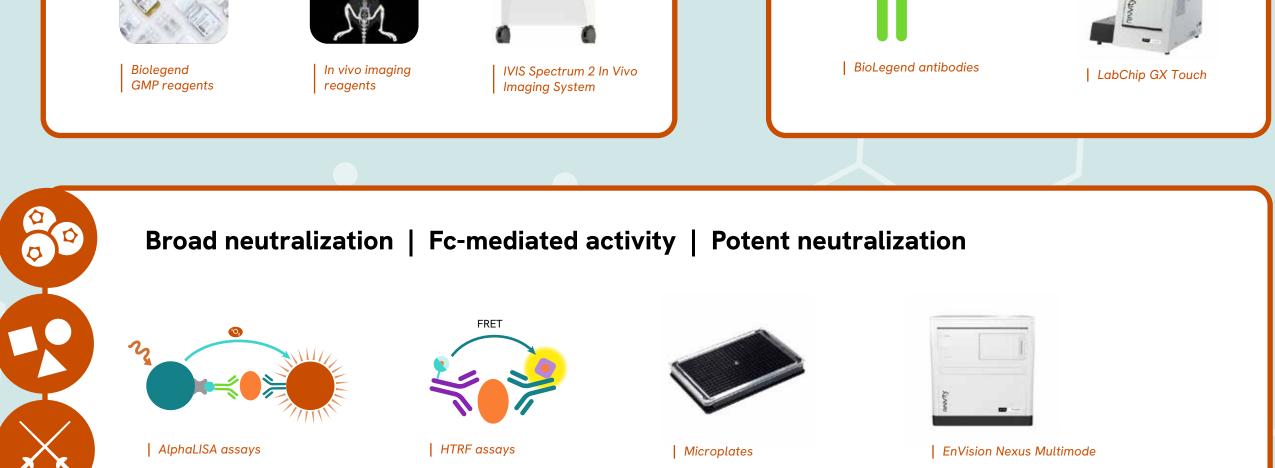
Cell Line Development (CLD), screening and clone selection

Bispecific / Multispecific antibodies quest.









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