



Nelmastobart (hSTC810)

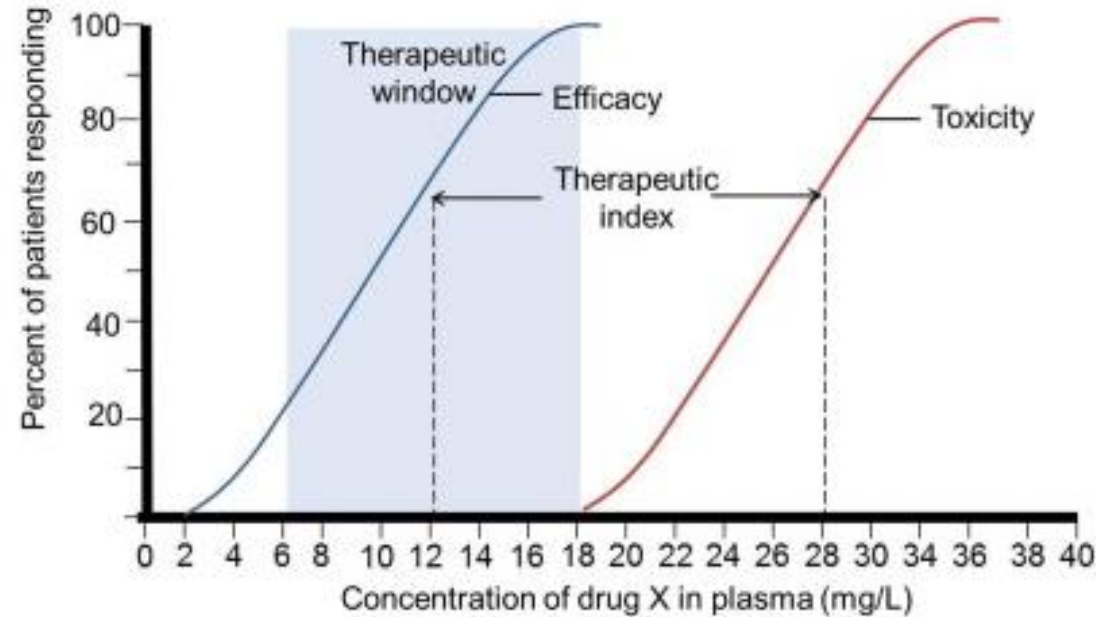


Innovative Game Changer of Global IO Therapeutics Market

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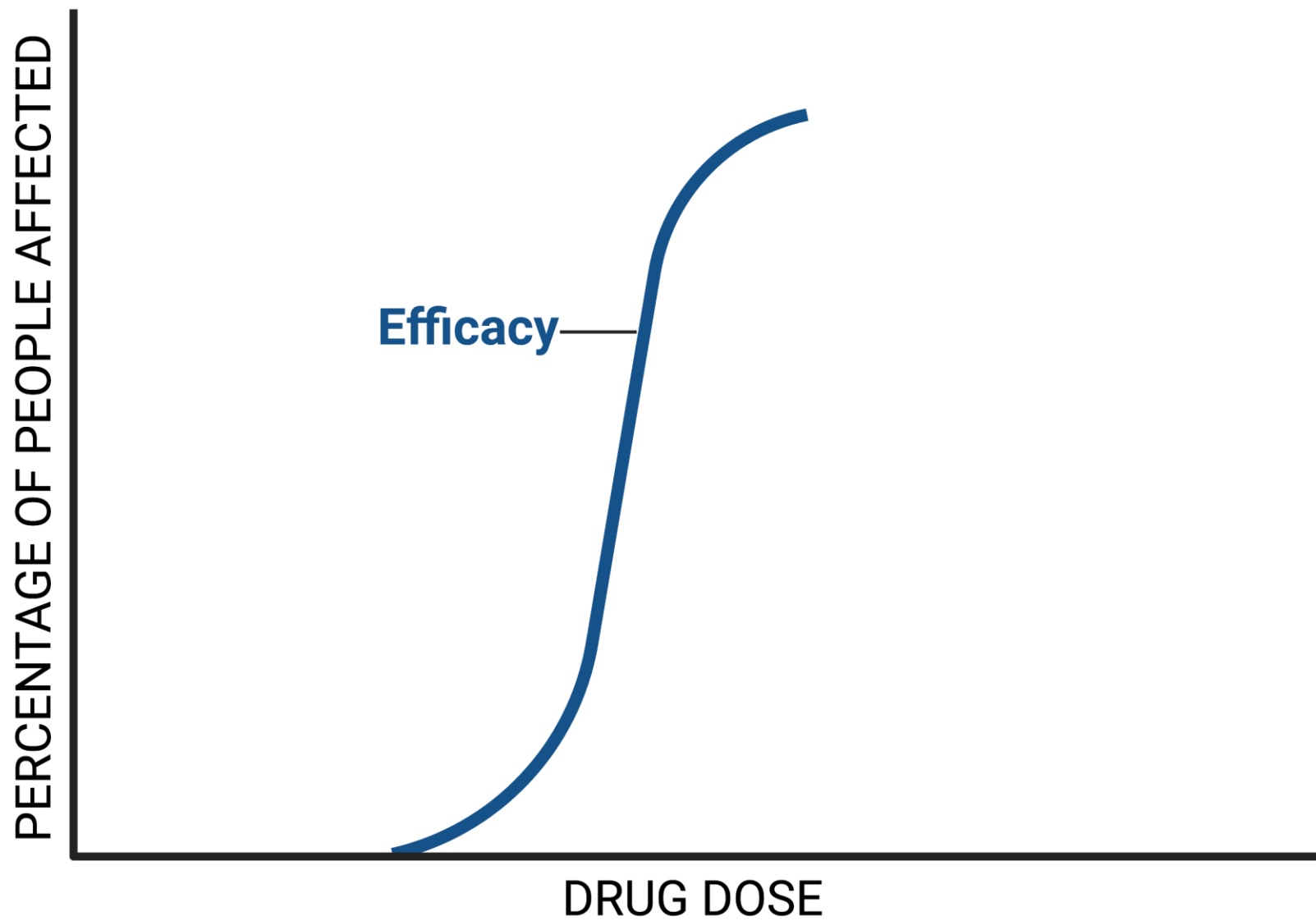
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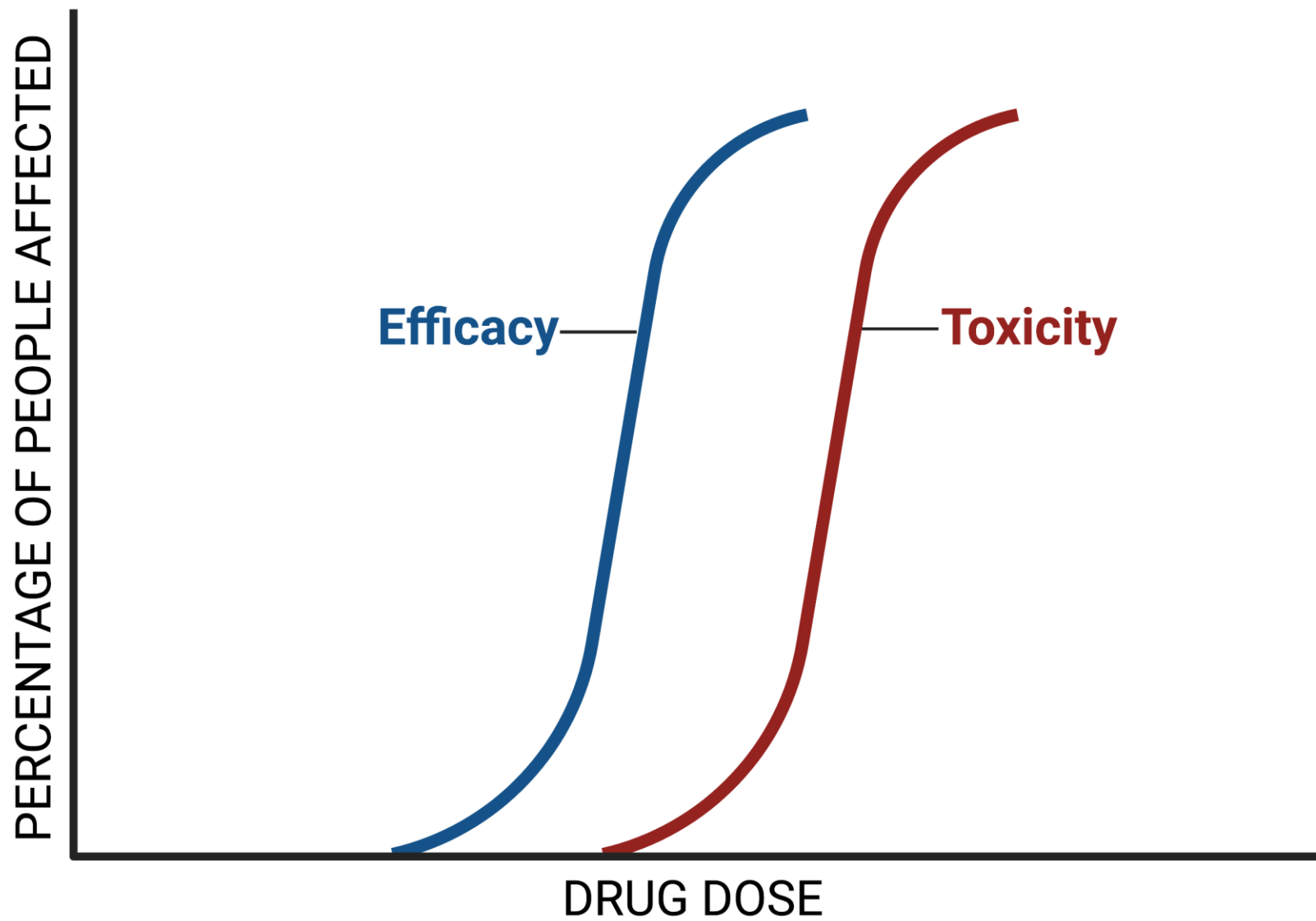
The Goal of Cancer Drug Discovery and Development: Increasing the “Therapeutic Index”

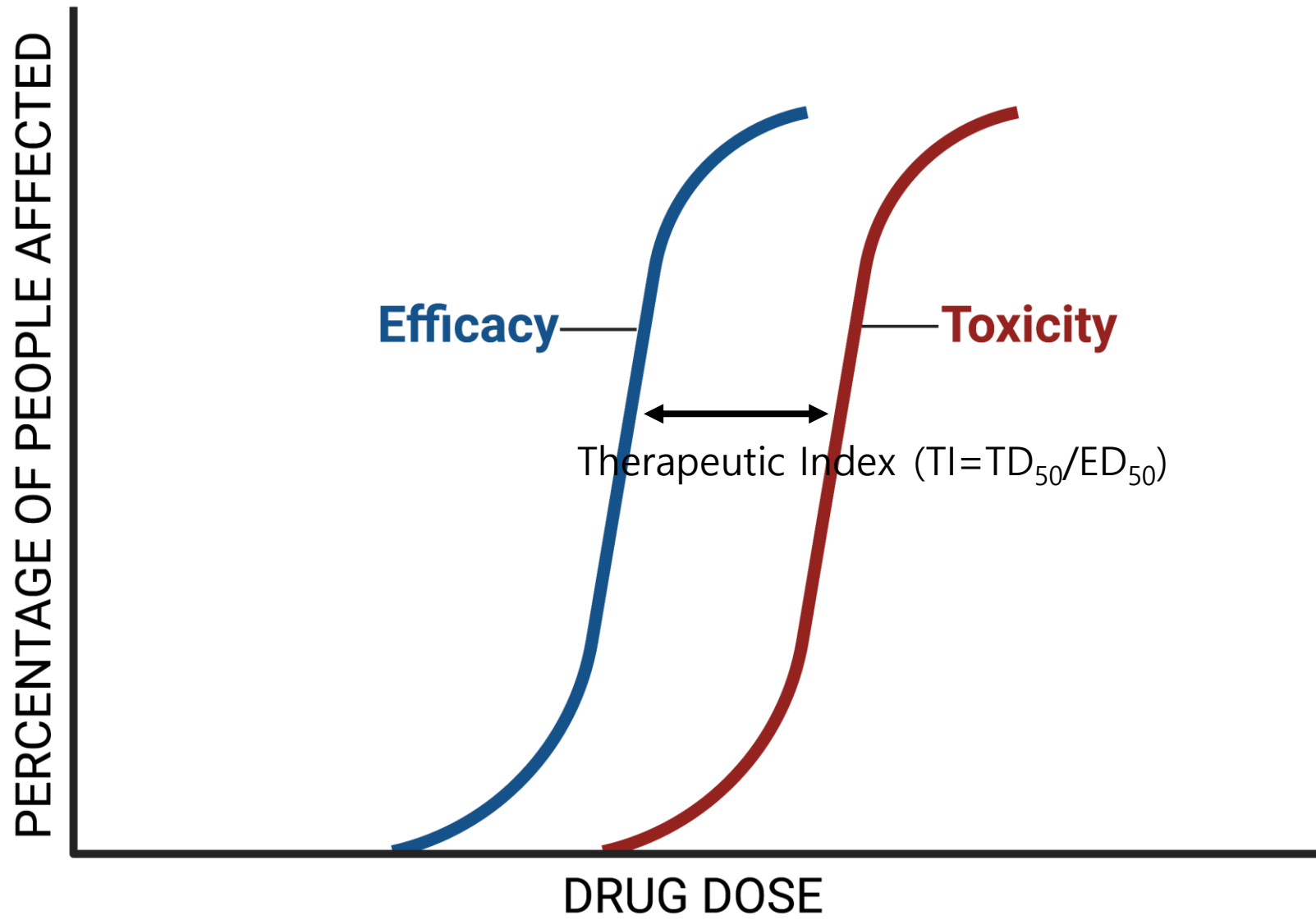


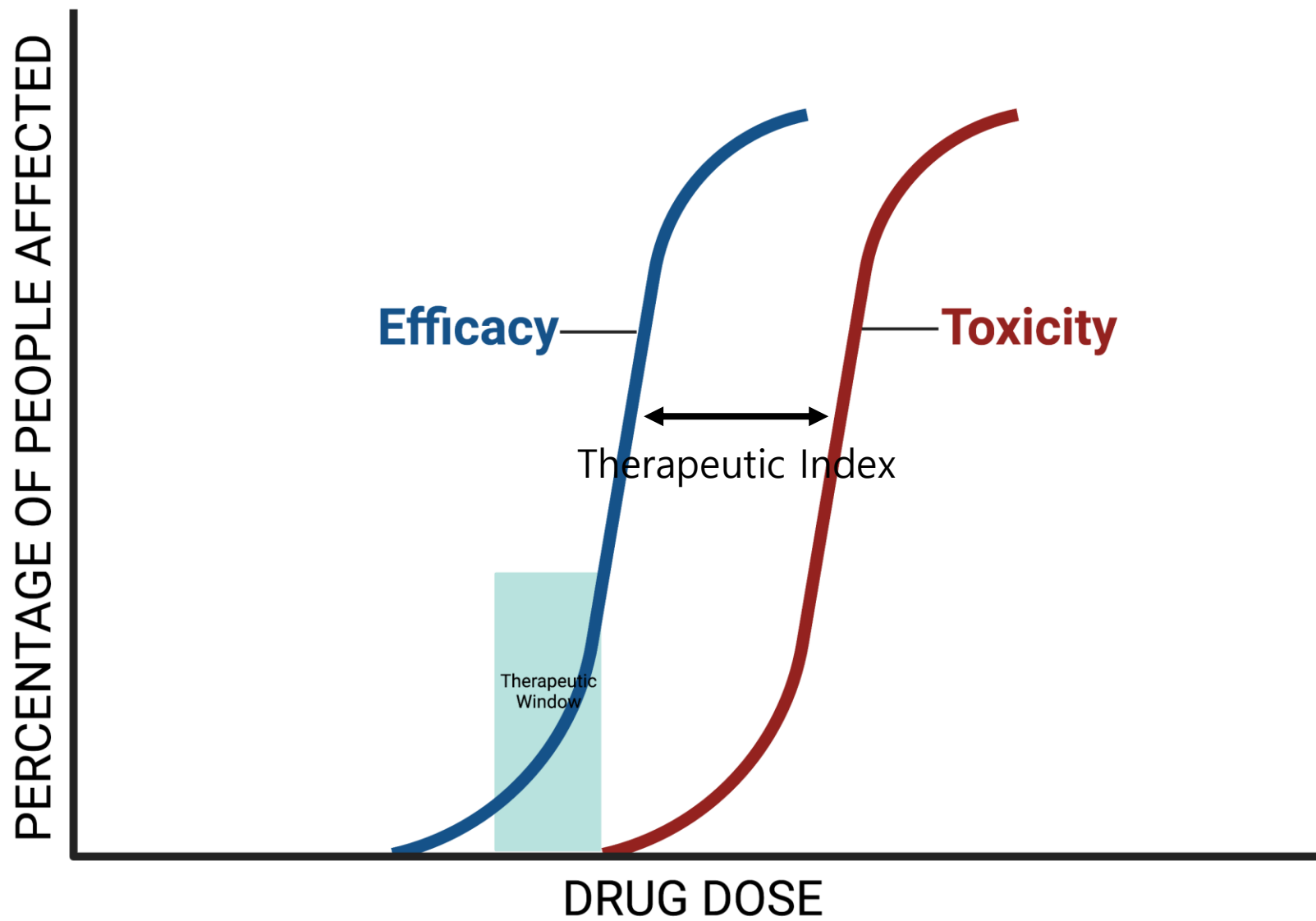
Ref: Handbook of Pharmacogenomics and Stratified Medicine (2014)

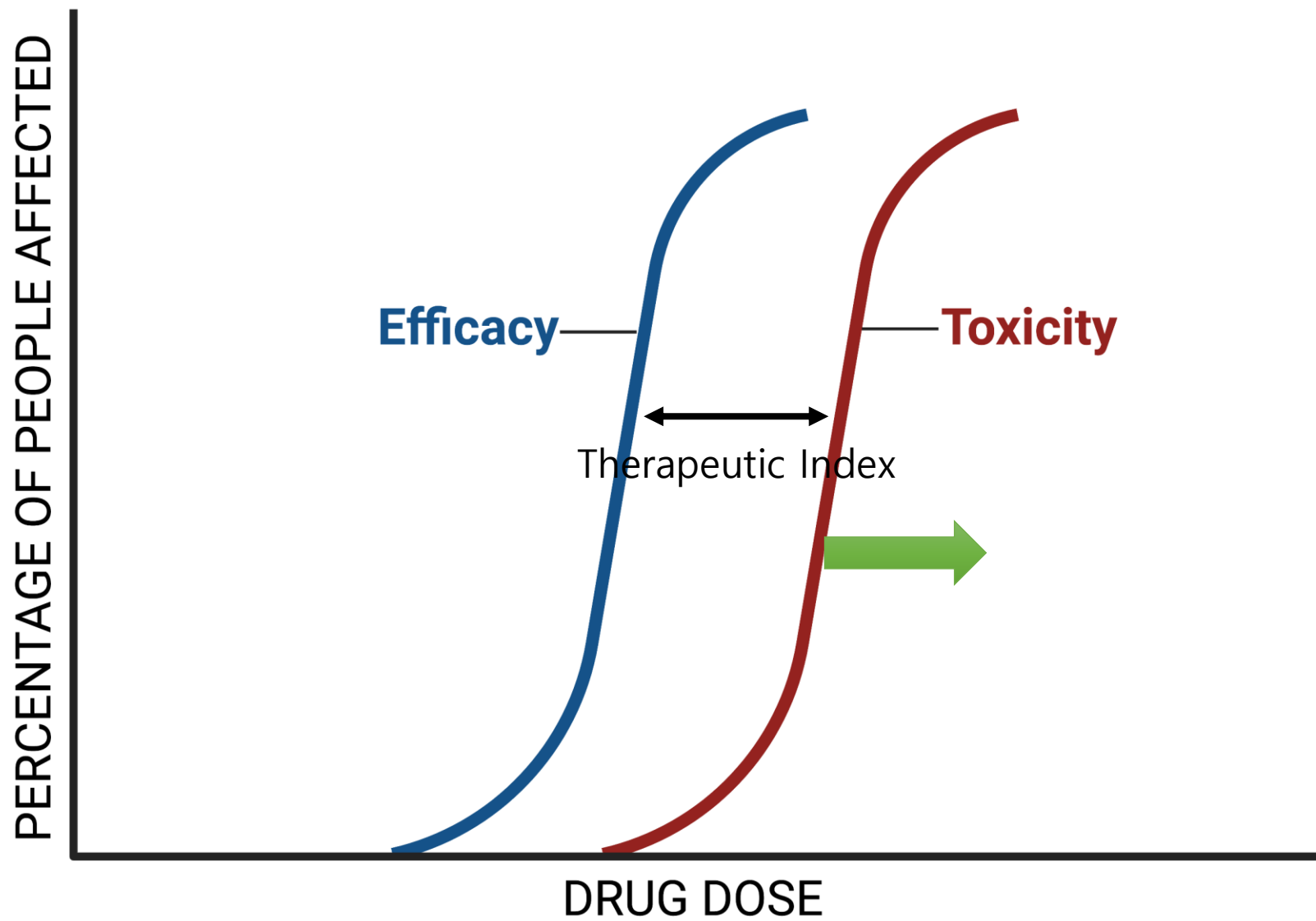
1. The goal of cancer drug development is to optimize the safety-efficacy profile of a drug. The therapeutic index is an important parameter in achieving this balance.
2. Therapeutic index is the dose range of a drug that provides safe and effective therapy with minimal adverse effects
 - If dose is too low = Drug is ineffective
 - If dose is too high = Risk of side effects

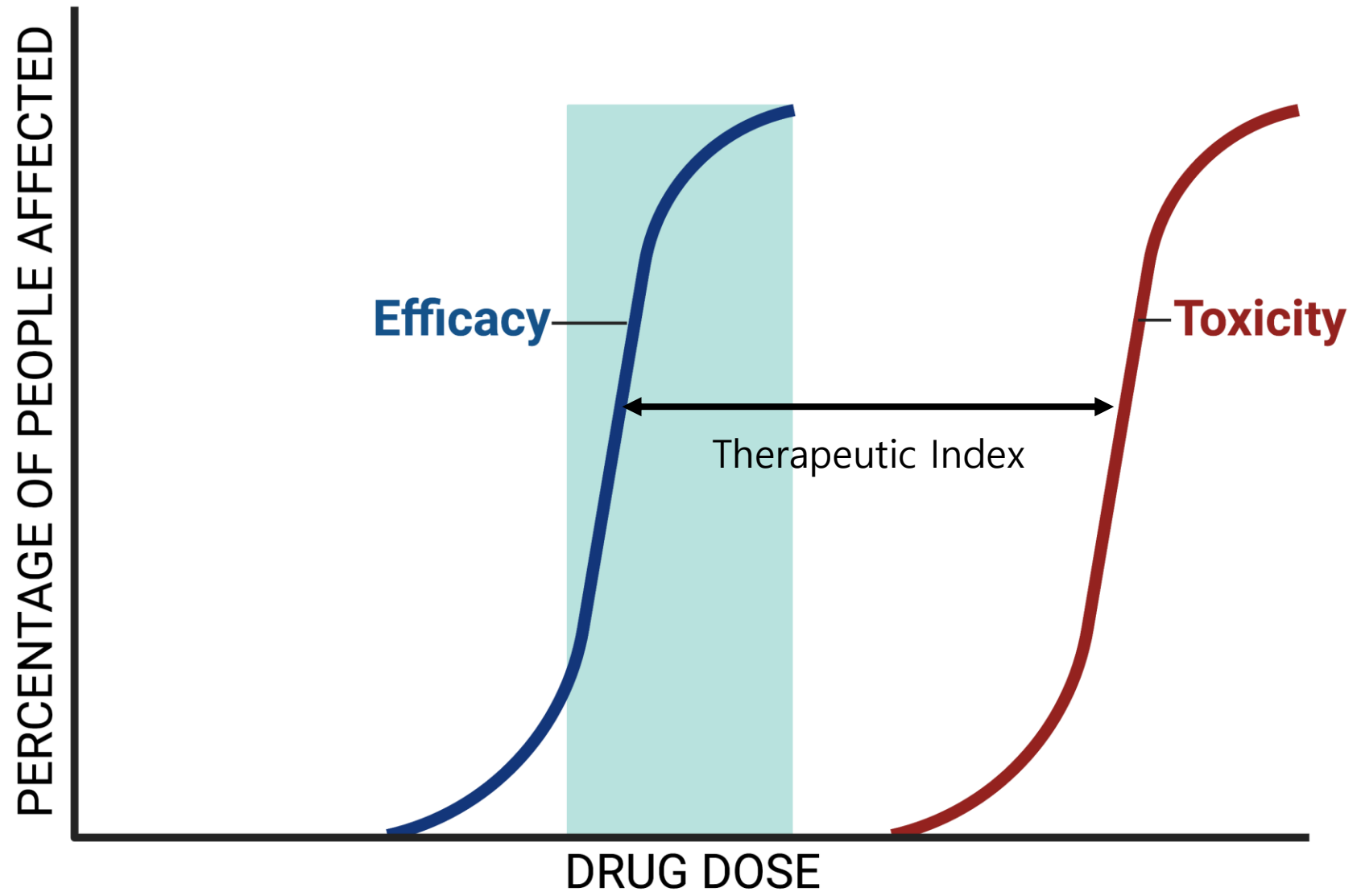


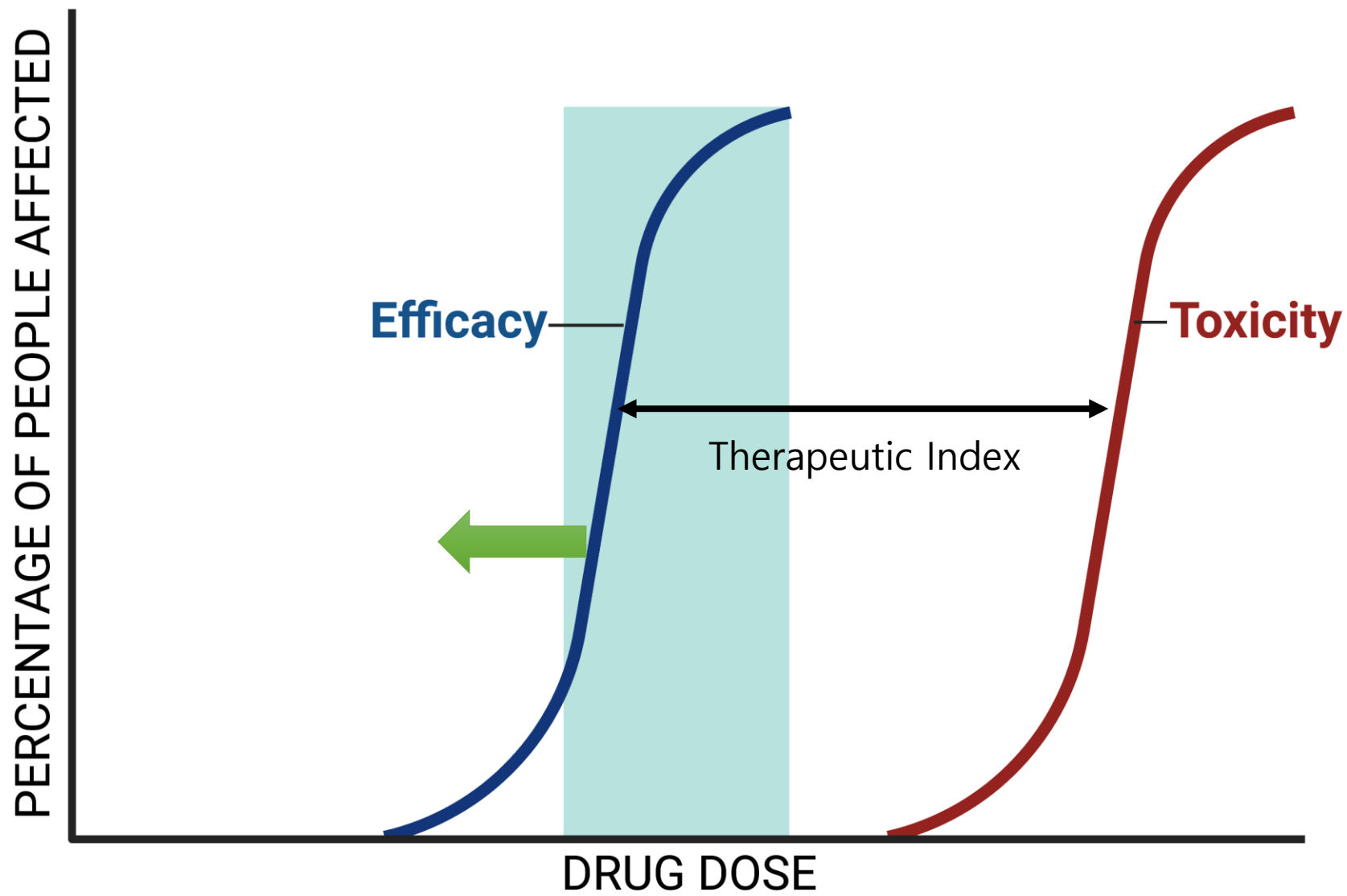


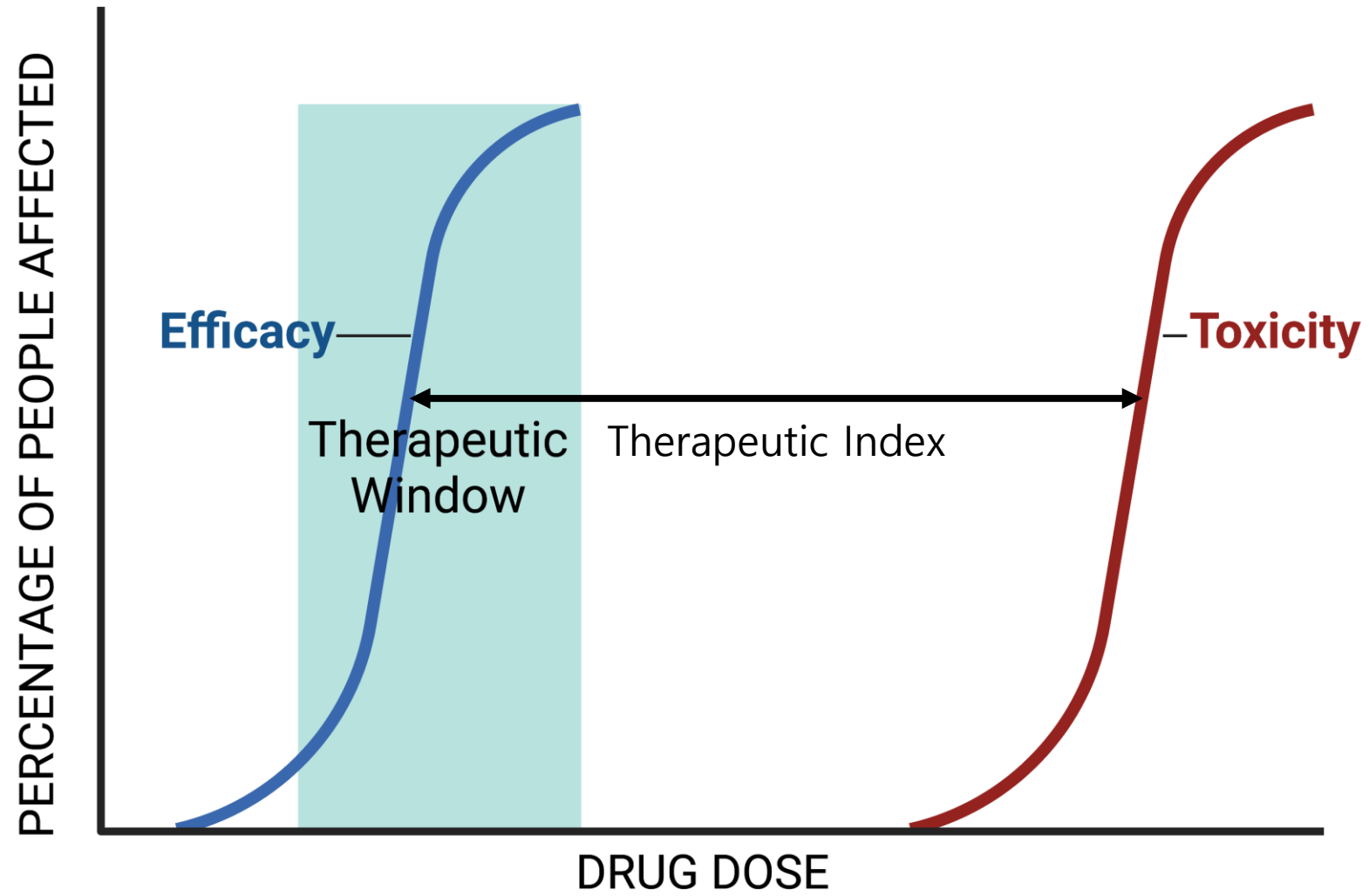


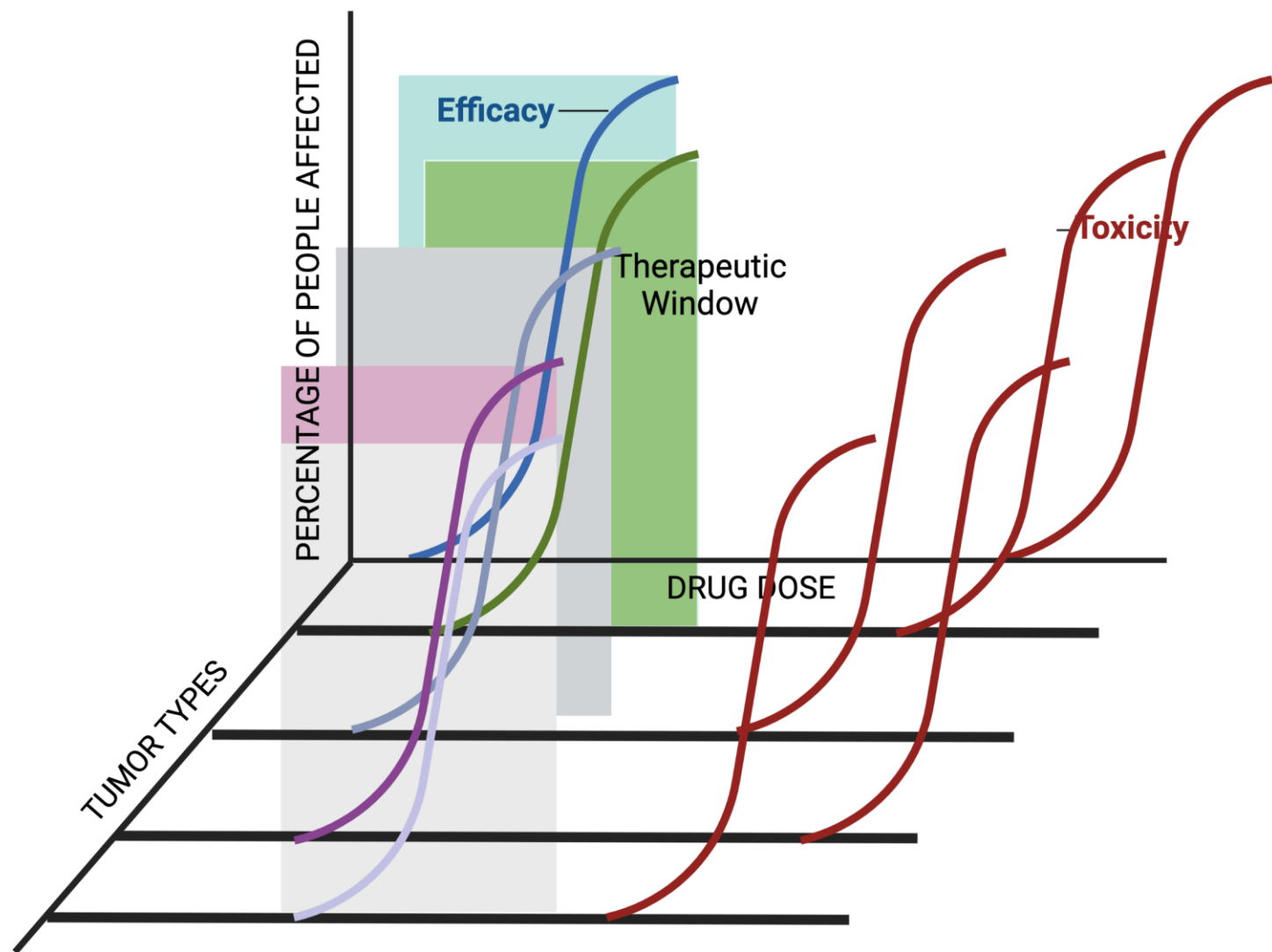




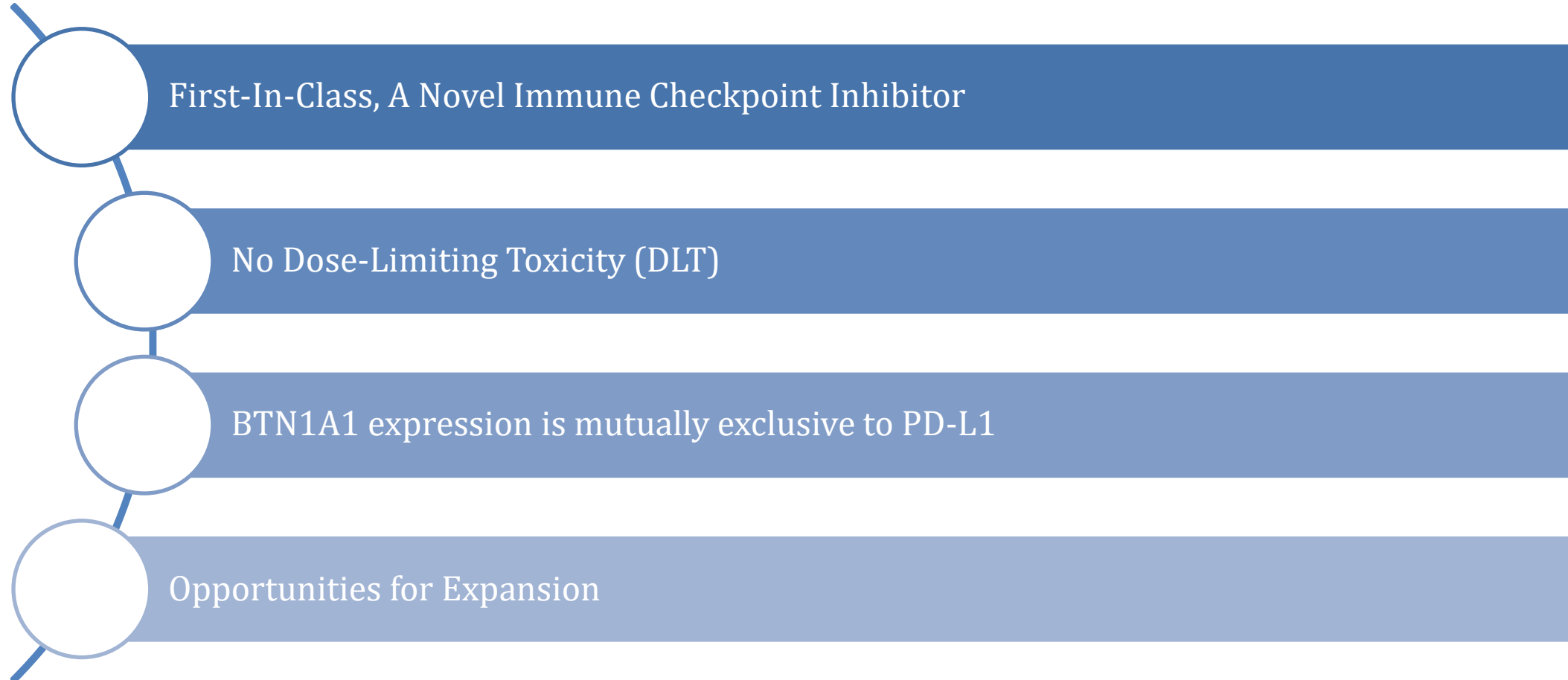








What Makes Nelmastobart Attractive?

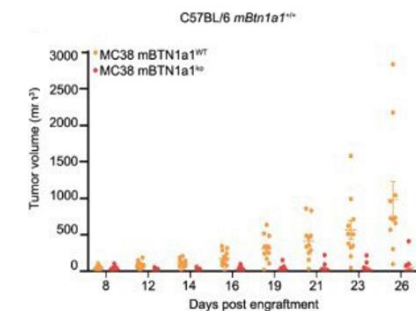
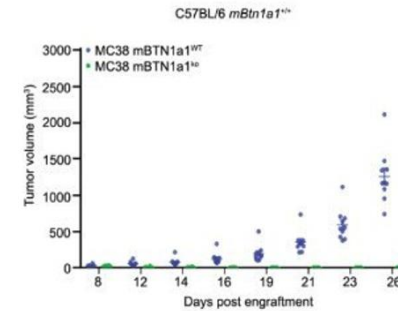
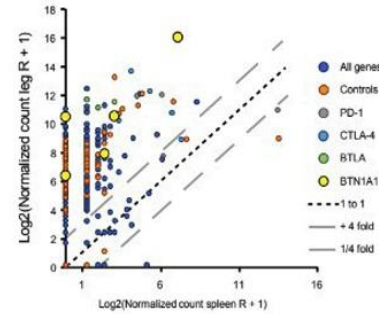


First-In-Class: A Novel Immune Checkpoint Inhibitor

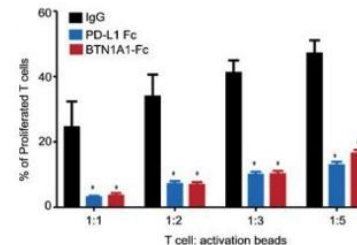
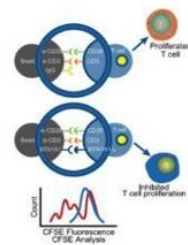
Hallmarks of BTN1A1 Major Preclinical Discoveries

1. Discovered and proven as the immune checkpoint
2. Inhibition of T cells' Proliferation and activation
3. Inhibition of cancer cell's death by activated T cells
4. Mainly expressed in Cancer cells for its function
5. Exclusive expression to PD-L1

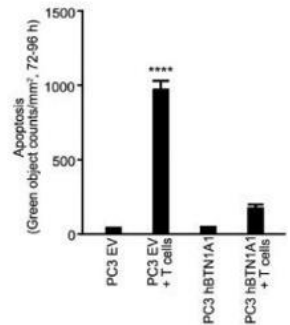
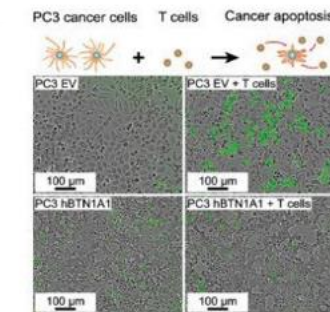
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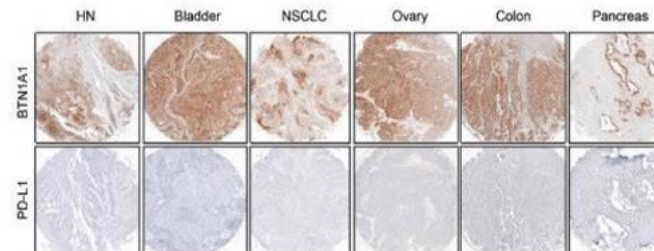
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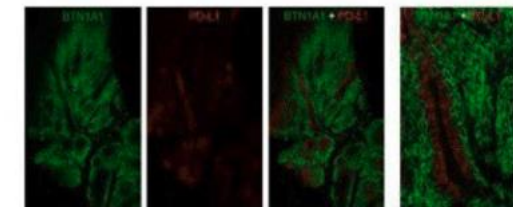
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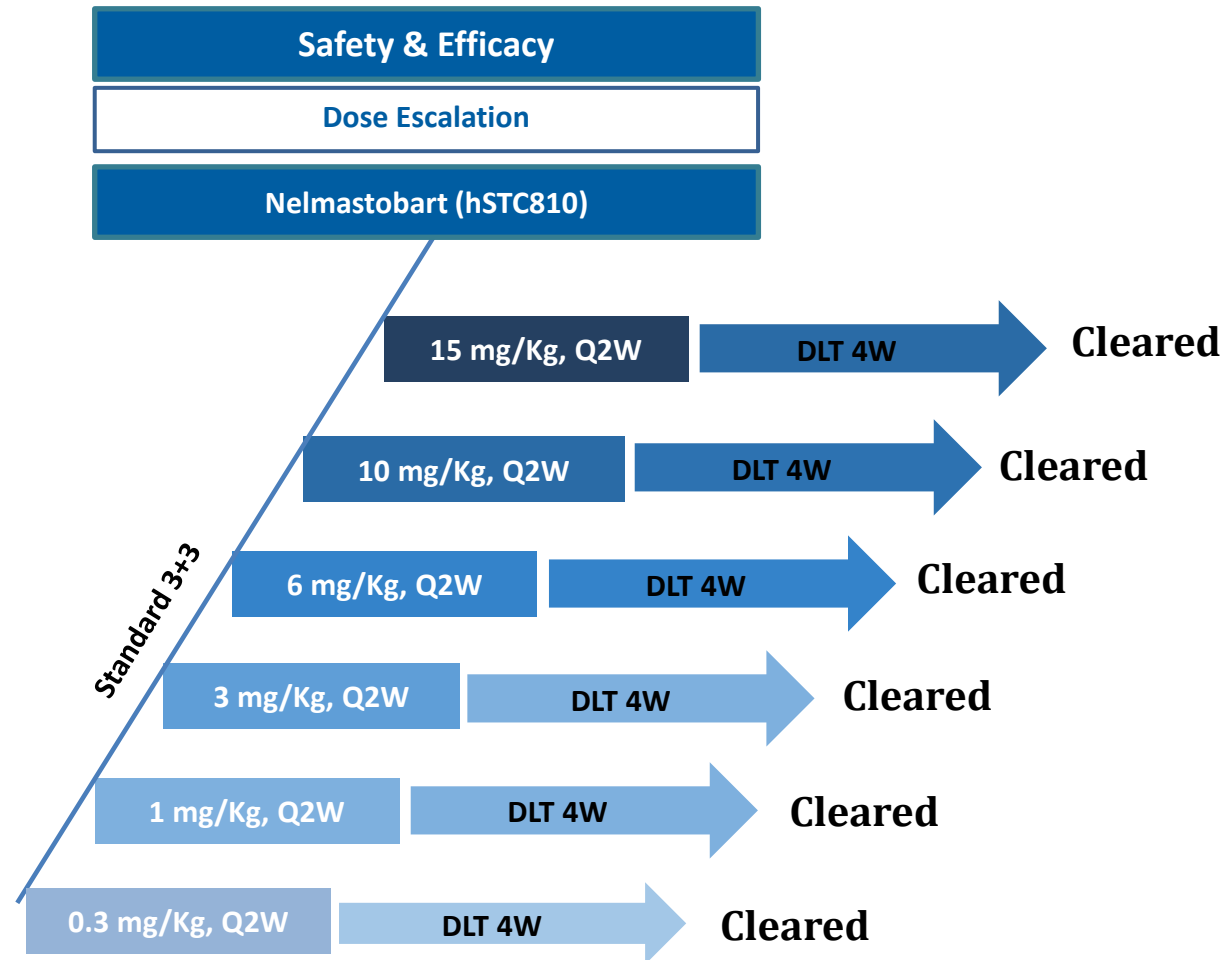
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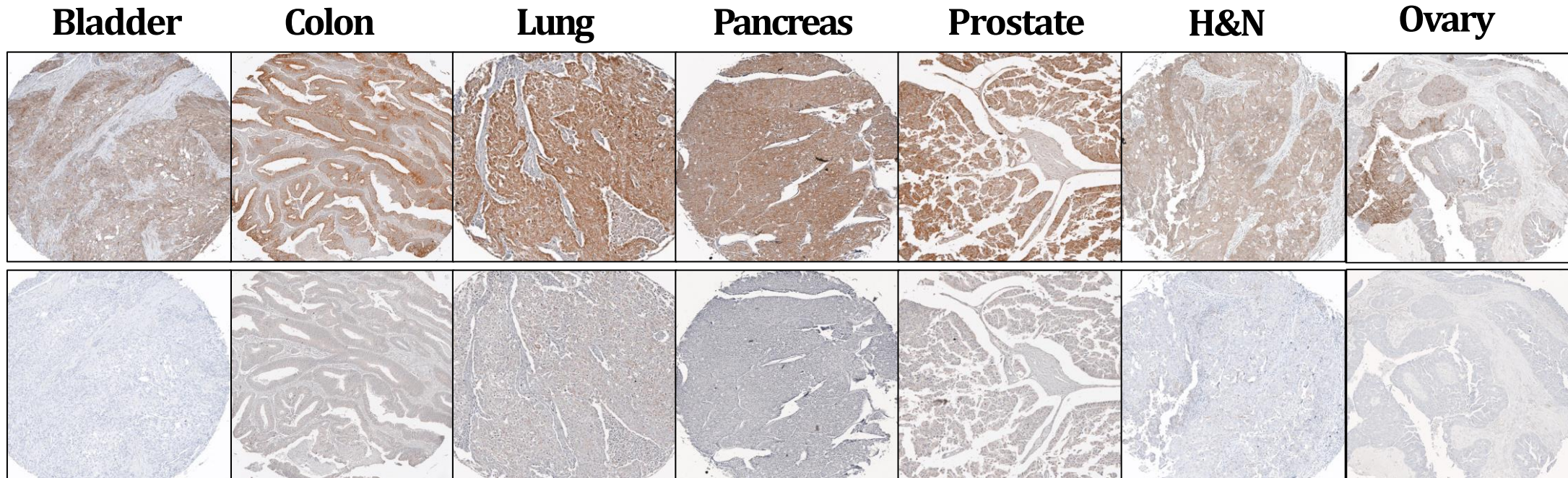


Decreasing Toxicity: Maximum Tolerated Dose (MTD)



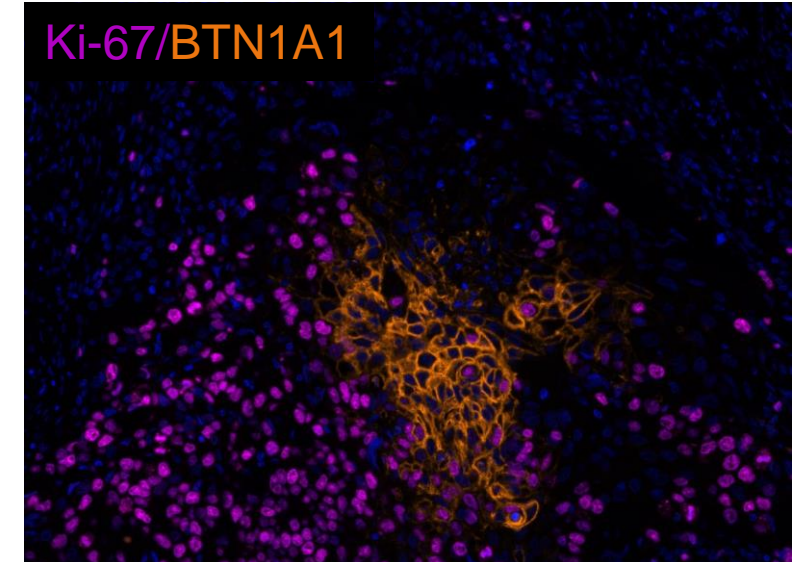
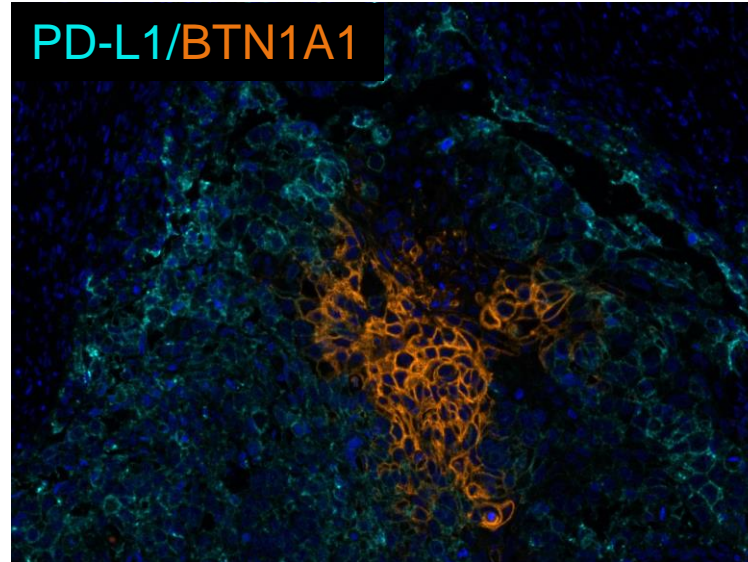
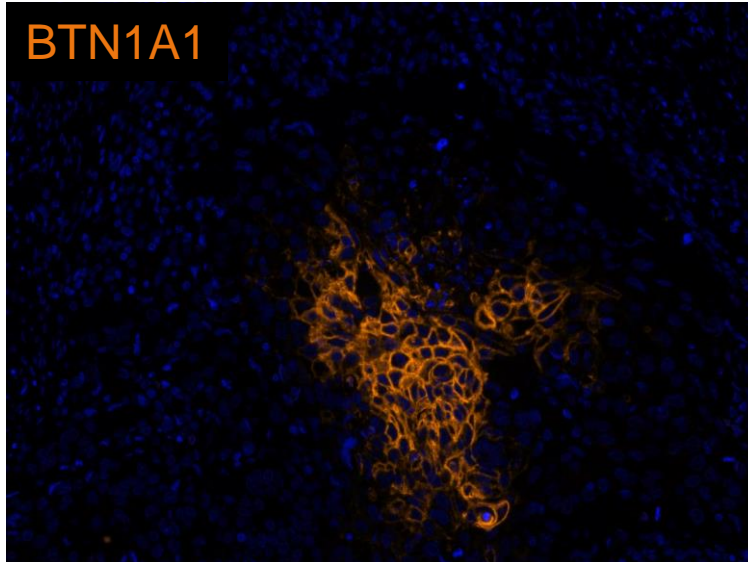
**No DLTs across all 6 dose levels
MTD is not reached**

Increasing Efficacy: Target Expression in a Variety of Solid Tumors



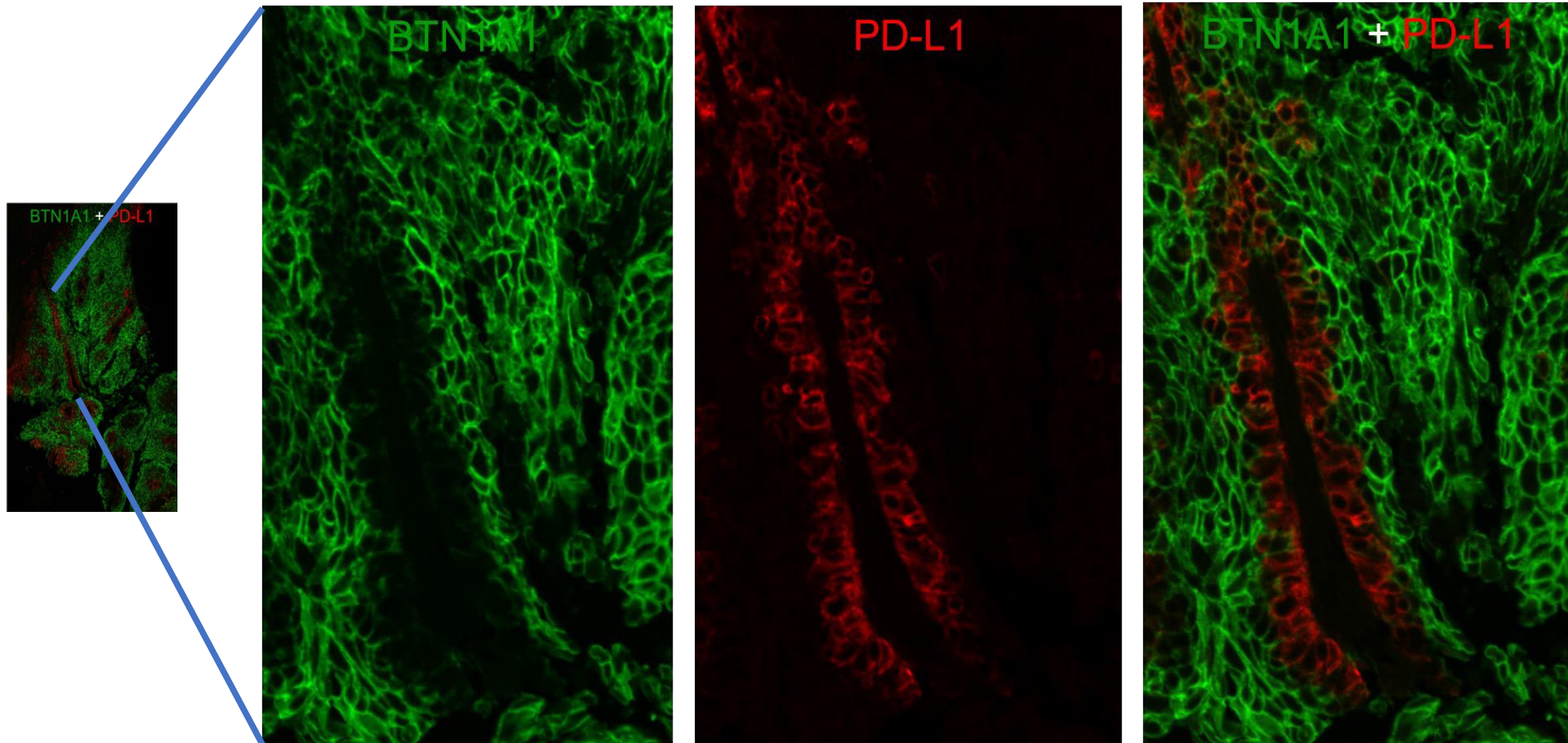
Pronounced and robust BTN1A1 expression can be seen in bladder, colon, lung, pancreas, prostate, H&N, ovarian, and other tumor tissues, while PD-L1 expression was low.

Mutually Exclusive Expression of BTN1A1 and PD-L1



Simultaneous BTN1A1 and PD-L1 detection using OPAL staining show that these 2 proteins are mutually exclusive to one another

Mutually Exclusive Expression of BTN1A1 and PD-L1



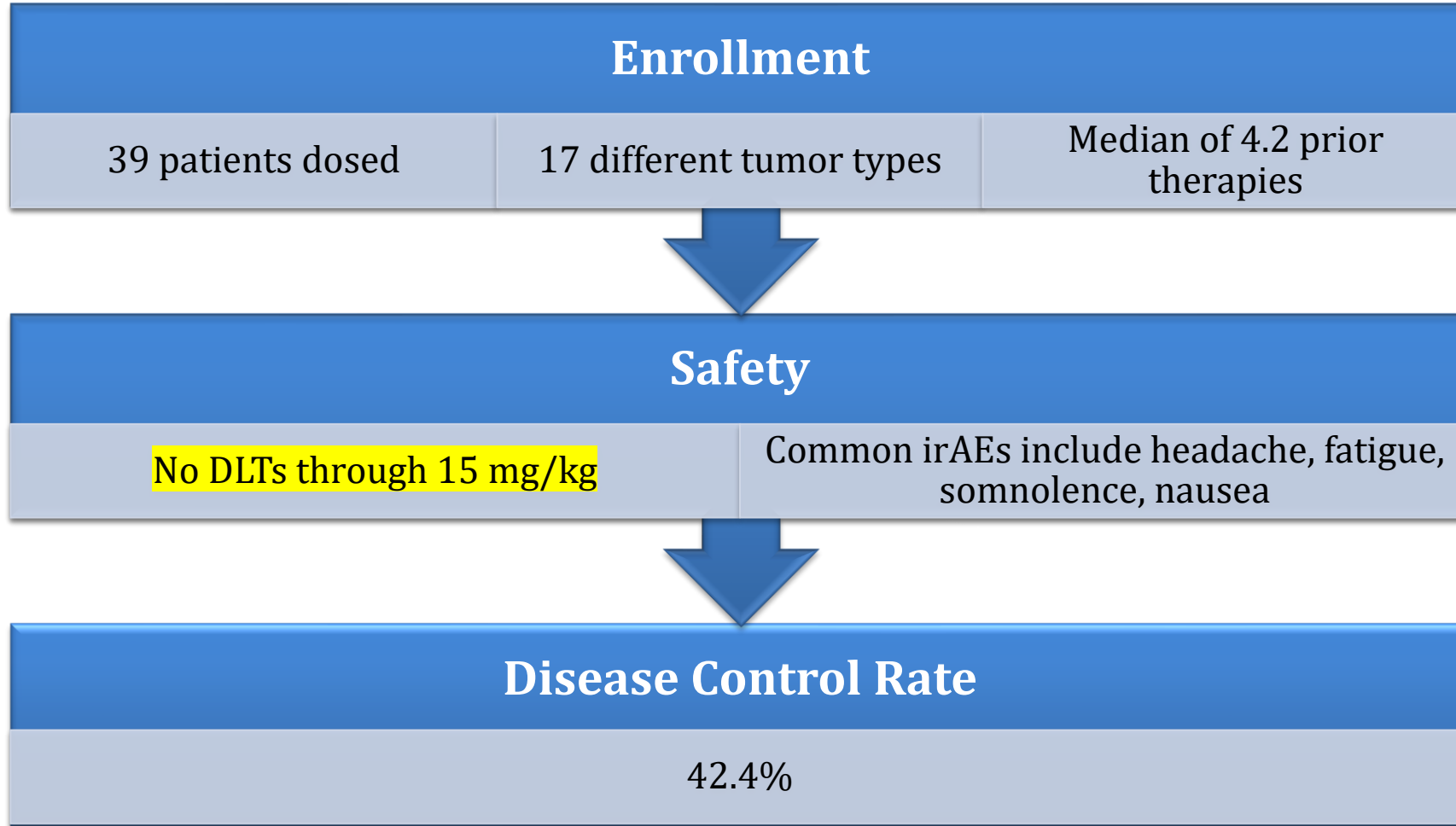
Simultaneous BTN1A1 and PD-L1 detection using OPAL multiplex staining show that these 2 proteins are never co-expressed by the same cell

BTN1A1 vs. PD-L1 Target Expression

| | Tissue | BTN1A1 expression | PD-L1 expression |
|-------|--------------------------|-------------------|------------------|
| NSCLC | Squamous | 56.0 % | 37.5 % |
| | Adenocarcinoma | 30.0 % | - |
| | SCLC | 70 % | 5 % |
| | Bladder | 75.0 % | 7.5 % |
| | Ovary | 56.1 % | 7.8 % |
| | H&N | 84.5 % | 16.7 % |
| | Esophageal, squamous | 71.4 % | 25.7 % |
| | Urothelial | 75.0 % | 7.5 % |
| | Melanoma | 17.5 % | 7.5 % |
| | Liver | 10.0 % | 15.0% |
| | Breast | 63.2 % | 5.9 % |
| | Pancreas, adenocarcinoma | 40.0 % | 7.5 % |

BTN1A1 expression in various solid tumors is mostly **over 50%**
while PD-L1 expression is mostly **under 30%**

Clinical Trial Update



Re-defining the Standards

Keytruda: FDA Approvals in Various Indications

| Indication | Treatment | PFS | FDA Approval |
|-------------------------------|--------------------------------|-------------|---------------------|
| Ovarian (Platinum-refractory) | Monotherapy | 2.1 months | Not Approved |
| Lung (SCLC) | Combination therapy with chemo | 4.5 months | Not Approved |
| Colon (MSI-H) | Monotherapy | 16.5 months | Approved |
| Melanoma | Monotherapy | 4.1 months | Approved |
| NSCLC | Monotherapy | 5.4 months | Approved |
| | Combination therapy with chemo | 8.8 months | Approved |
| SCCHN | Monotherapy | 3.4 months | Approved |
| | Chemotherapy combination | 4.9 months | Approved |

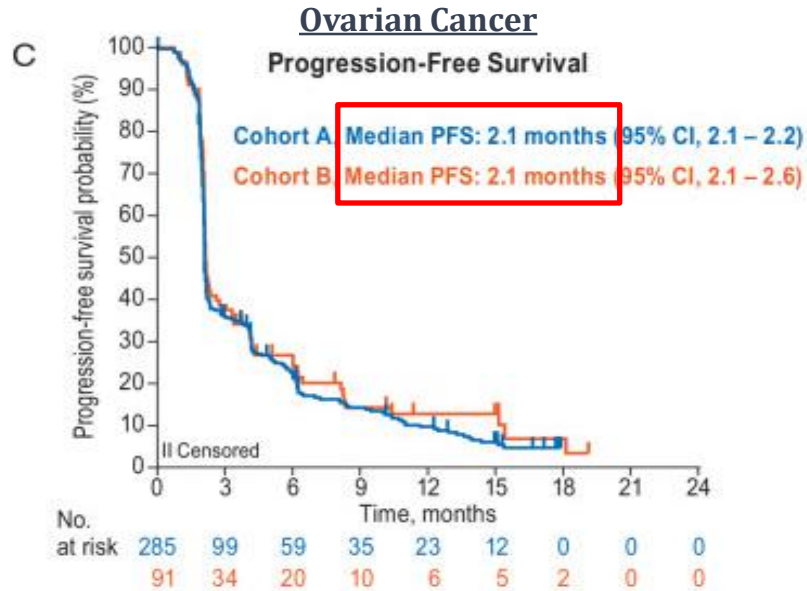
Nelmastobart vs. Standard of Care

| Indication | Standard of Care, Median PFS | Nelmastobart, Duration of treatment |
|-------------------------------|------------------------------|-------------------------------------|
| Ovarian (Platinum-refractory) | 8 weeks ¹ | 15 weeks |
| Lung (Refractory SCLC) | 8 weeks ² | 14 weeks |
| Head & Neck | 10 weeks ³ | 18 weeks |
| Colon (MSS) | 17.6 weeks ⁴ | 25 weeks |

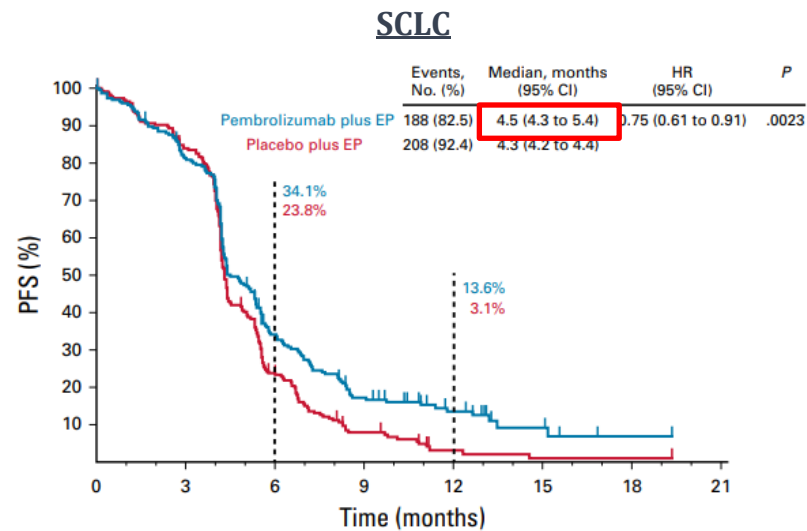
1 Cancer Chemotherapy and Oncology (2019)
 2 Journal of Oncology Practice (2018)
 3 American Association for Cancer Research (2010)
 4 JAMA Network Open (2022)

Closing the Gap:

Unmet needs in Treatment of Advanced Solid Tumors



Ref: *Annals of Oncology* (2019)



Ref: *Journal of Clinical Oncology* (2020)

Ovarian cancer and SCLC responses to Nelmastobart are on-going:

Ovarian Cancer → 4 months

SCLC → 3.5 months

Q & A :
Next Steps, Opportunities for Collaboration



Thank You