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Research Goal: Discovering cancer-specific vulnerabilities through an integrative analysis of genomic, epigenomic, and transcriptomic data.

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Challenges:

- Cancers are heterogeneous
- Normal is also heterogeneous: Cancer vs. Normal or Normal vs. Normal or Cancer vs. Cancer
- Each disease is heterogeneous
- There are enormous pathways from genetics to phenotypes
- How to reduce biological dimensions for effective visualization