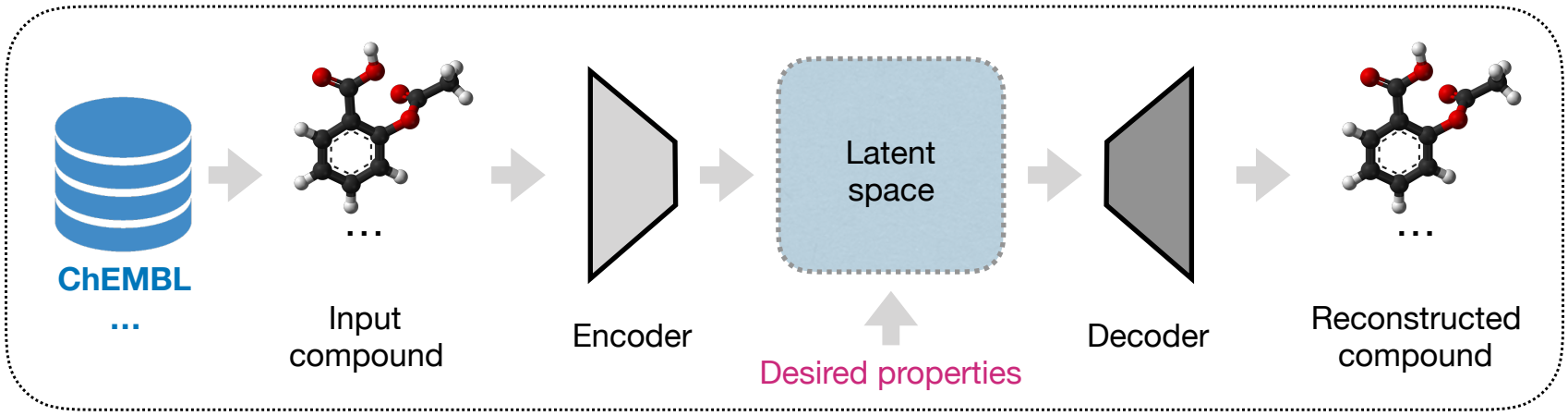
Standigm® *BEST* *BE*tter *ST*ructure

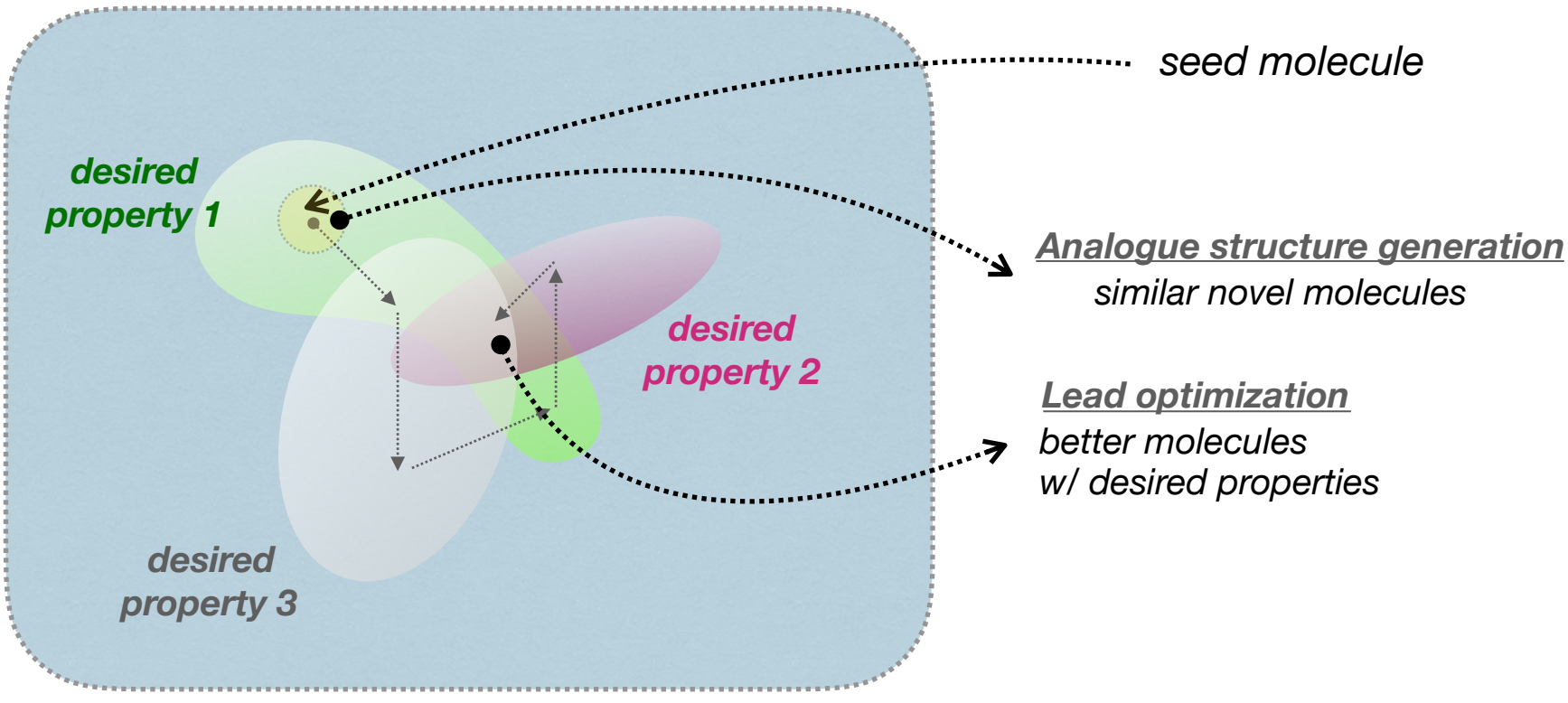
Fall 2018

Standigm *BEST* generates novel compounds satisfying your desired properties by exploring "Standigm drug discovery space".

- **The Standigm drug discovery space is an AI-generated latent chemical space that maps compound structure patterns into information-rich representations. Existing or novel compounds are generated by decoding any points in this space.**
- ***Analogue structure generation*: the Standigm drug discovery space preserves the chemical similarity and thus can be utilized for the generation of analogue structures based on your seed molecule. (Validated with current FDA drug lists)**
- ***Lead optimization*: the Standigm drug discovery space can be explored to search and optimize structures concerning desired chemical properties such as target binding affinity or ADME/Tox, customizing your drug discovery process. (Validated with ChEMBL bioactivity datasets and our collaboration datasets)**



Training Standigm drug discovery space



Exploring Standigm drug discovery space

References:
- One global institute, P* (Tuberculosis)
- One Korean Pharma, L* (Oncology)

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