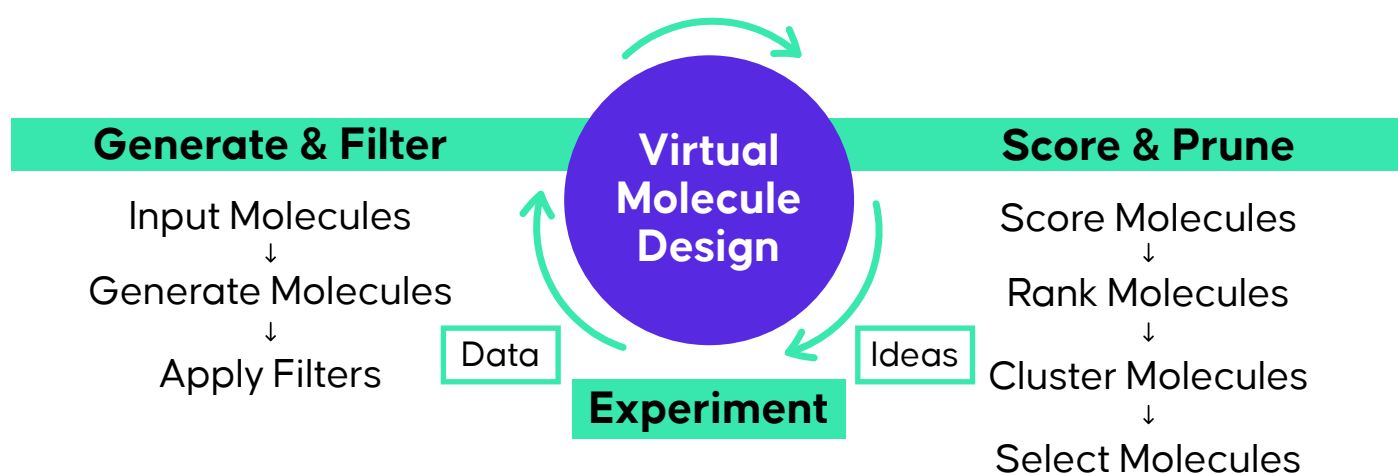


AI for All? How Pharma Partnerships Improve Software Solutions

What is Generative Therapeutics Design (GTD)?



Experienced Pharma Partners Augment AI/ML Software Solutions

Pharma Brings:

- High Quality Internal Data
- Experienced Scientists
- Experimental Feedback

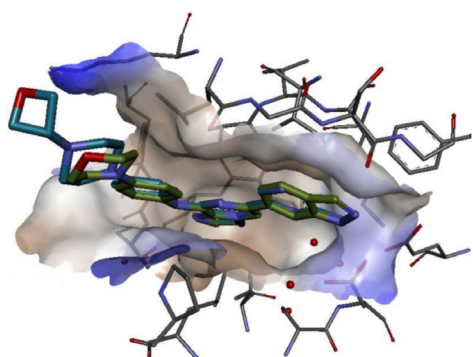
BIOVIA Brings:

- Software Engineering
- Computing Power at Scale
- Scientific Support

3D Modeling Embedded in AI/ML Workflow via Pharma Partnership

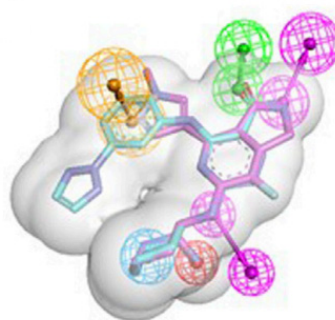
from U. Schmidt et al., Gilead Sciences + BIOVIA Presentation, ACS Chicago 2022

2D / 3D Lead Optimization



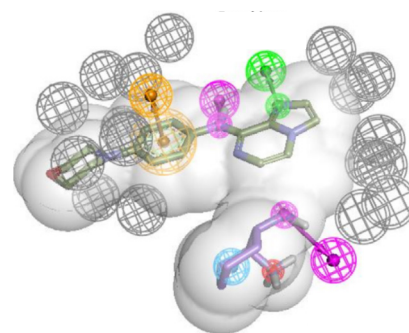
Pharmacophore model of binding site identifying high-value analogs of entospletinib

Scaffold Hopping



Representative **GTD results aligned to pharmacophore** derived from PRT-062607 and mivavotinib

Scaffold Merging



Hybrid pharmacophore with features from entospletinib and cyclohexandiamine

How Will Pharma / Software Partnerships Evolve AI for All?