



2. Language for controlling and interfacing with chemistry (the goal/my current working framework)



1. Language can enable abstract, functional, and compositional control over complex properties when designing novel molecules .
2. Language can serve as a “bridge” between modalities
 - (e.g., cellular pathways and drugs).
3. Tool-enabled language models hold promise for chemical reasoning and even directing laboratory experiments.
4. Language makes chemistry AI more accessible.

*Language is a glue—
between data types,
robots, and people.*

Language has been developed as the method by and for humans to abstractly reason about the world. In much the same way that science often relies on natural phenomenon (e.g., penicillin) for innovation, we can rely on natural linguistic phenomenon for abstraction and connection.