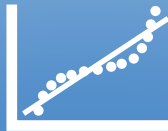**Modularity**

FBA + ODE + SSA — Multi-algorithmic simulation

Experimental validation

Systemization and standards
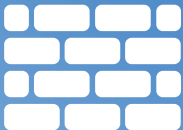
Technology development

Whole-cell model

Use existing methods & data

Focus on bottlenecks

E. coli *B. subtilis* *S. cerevisiae* — Focus on model organisms

Reproducibility

Constant innovation

Teaming