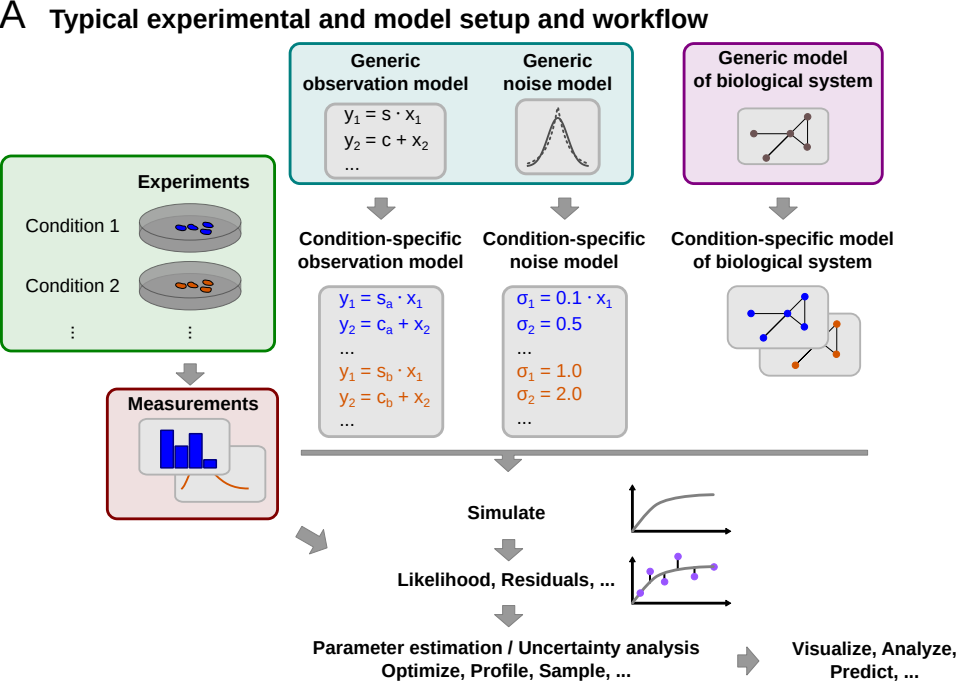

B Representation of the workflow elements in PEtab

Condition table

conditionId	p1	p2	...
Condition1	1.0	1.0	
Condition2	5.0	4.0	
...			

Observable table

observableId	observableFormula	noiseDistribution	noiseParameters
Observable1	s ·x1	normal	1.0
Observable2	c + x2	laplace	3.0
...			

Model

SBML

Measurement table

observableId	simulationConditionId	time	measurement
Observable1	Condition1	1.0	2.0
Observable2	Condition2	1.0	3.0
...			

Parameter table

parameterId	estimated	nominalValue
Parameter1	1	
Parameter2	0	3.0
...		