

COSBI LAB
Visualization



Component Definition

```
graph TD; A[Component Definition] --> B[Dynamic Definition]; B --> C[Parameter Quantification]; C --> D[Simulations]; D --> E[Visualization];
```

Dynamic Definition

Parameter Quantification

Simulations

Visualization

Component Definition

```
graph TD; A[Component Definition] --> B[Dynamic Definition]; B --> C[Parameter Quantification]; C --> D[Simulations]; D --> E[Visualization];
```

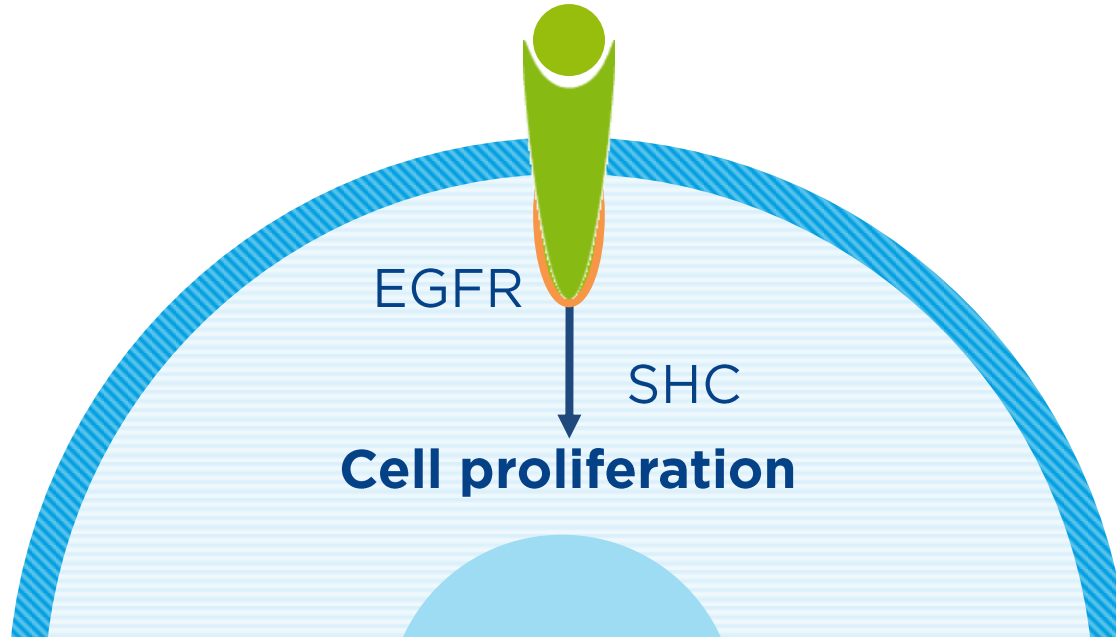
Dynamic Definition

Parameter Quantification

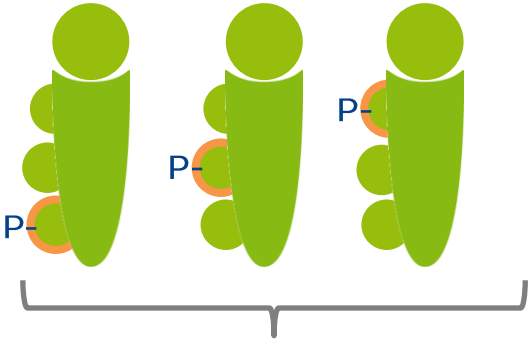
Simulations

Visualization

EGFR Receptor



Simplified EGFR Molecule

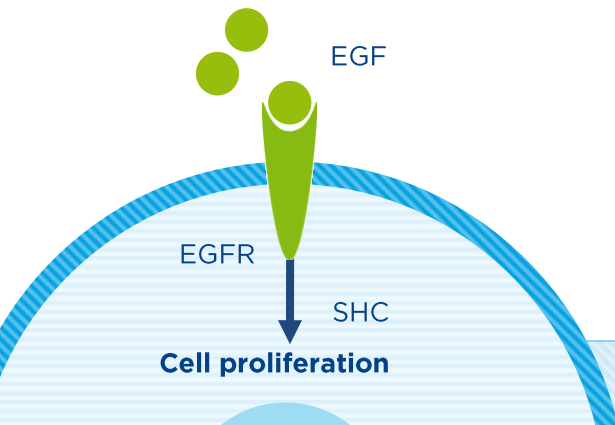


Phosphorylated once

Parameter Scan for EGFR Models

Parameter	1	10
0.1	r_EGF_synt = 1 r_EGFR_SHC_ph=0.1	r_EGF_synt = 10 r_EGFR_SHC_ph=0.1
1	r_EGF_synt = 1 r_EGFR_SHC_ph=1	r_EGF_synt = 10 r_EGFR_SHC_ph=1

Parameter Scan for EGFR Models



SHC
phosphorylated



SHC EGFR Binding Rate

Synthesis Rate EGF

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- Easily visualize single-run simulation
- Compare average behaviour with single-run
- Systematic overview of parameter scan results

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