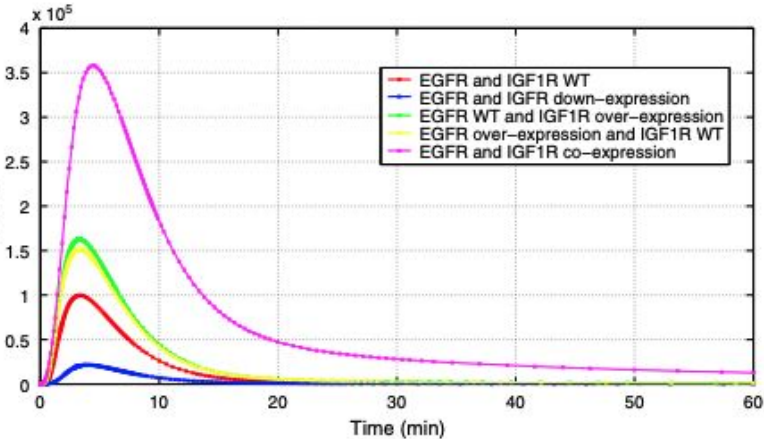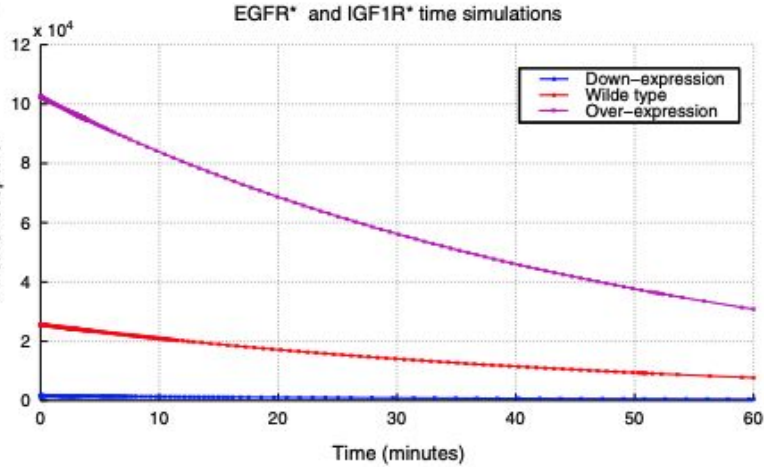# Paper Presentation

William Cesaretti
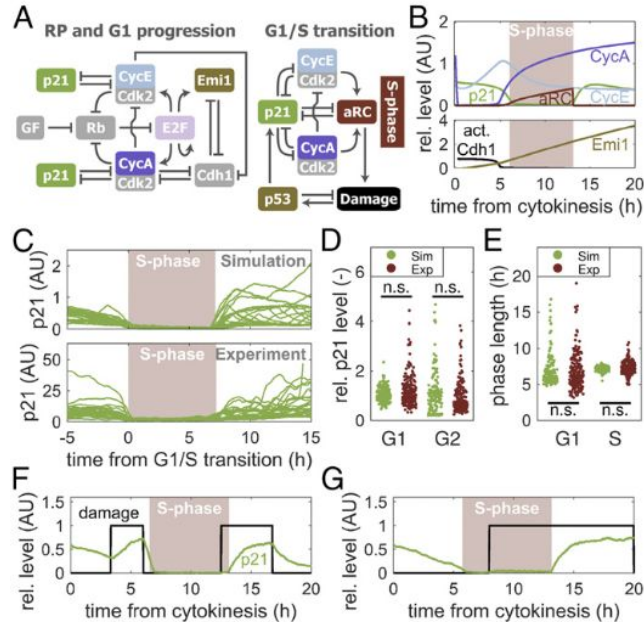
Computational model of EGFR and IGF1R pathways in lung cancer: [link](#)

- Understand EFGR and IGF1R pathways' impacts on NSCLC

- Modeled different levels of EFGR/IGF1R receptor activation

- Found that when they are both highly expressed, this will increase cancer

- Propose exploring other related pathways

Cell Cycle Control in Budding Yeast: link

- To evaluate validity of consensus model

- 130 mutants and 120 'worked'

- Want to investigate the 10 mutants

A model for proliferation-quiescence decision in response to endogenous DNA damage in humans - [link]

- Proliferate or quiescence in response to DNA damage

- Restriction point and G1/S transition

- Further explore decision-making process

Thank you