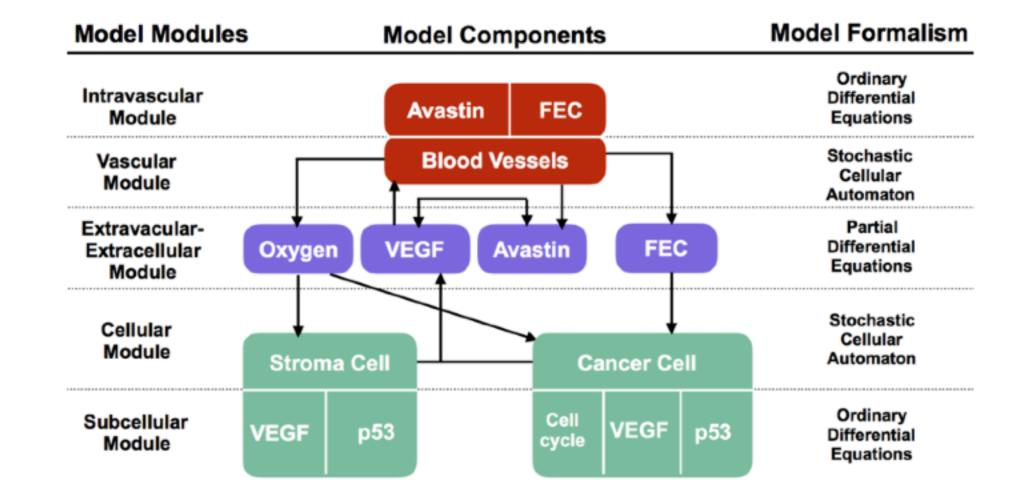
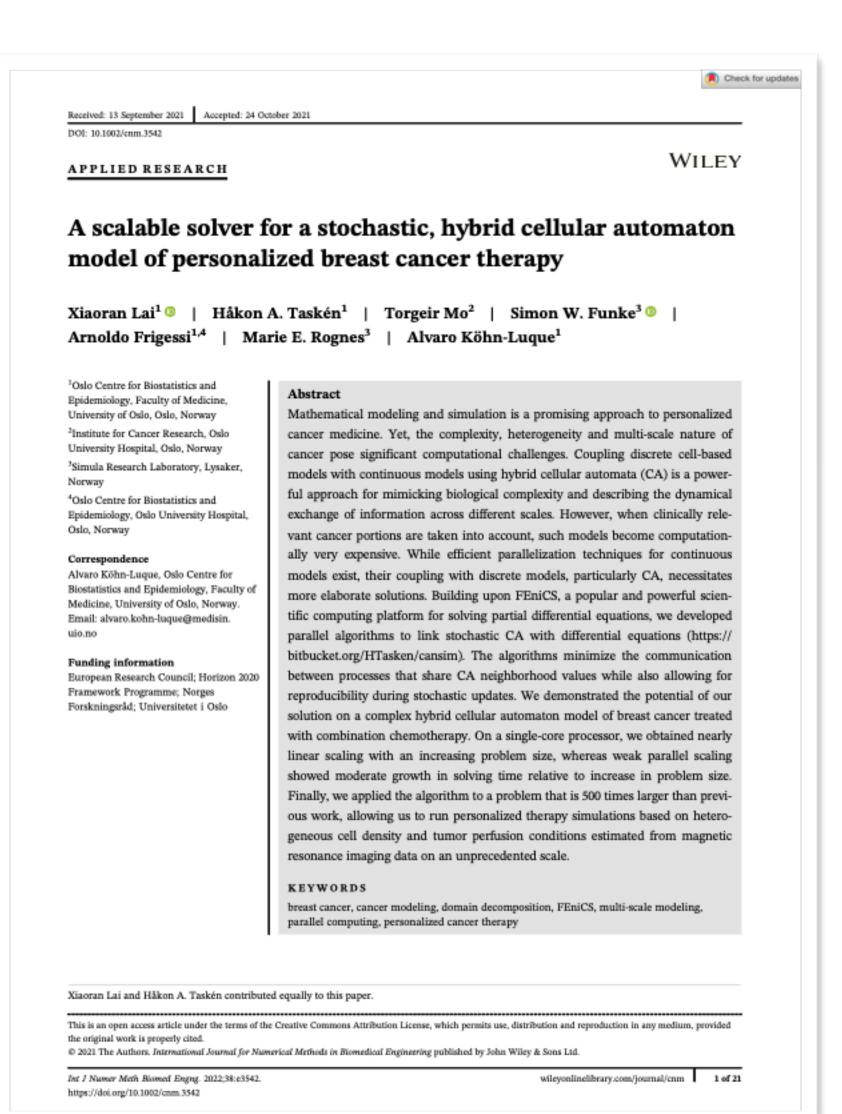
Case study Cancer simulator

- Model for evolution of breast cancer treated with combination chemotherapy
- Describes the evolution of cancer cells, blood vessels, Oxygen, VEGF and Avastin





Case study Cancer simulator

- Model for the tumour has a large number of parameters
- Many of the parameters can be tuned via directly observing the patient
- In the inference problem we investigate two parameters
 - Sensitivity of cancer cells to the chemotherapy α
 - Minimal cell cycle length of cancer cells T_{c}