

- Read and introduce the following study:

<https://www.pnas.org/doi/pdf/10.1073/pnas.90.12.5618>

- Introduce the protein subtilisin and the goal of this study
- Describe the engineering efforts:
  - how are mutations introduced?
  - how are improved mutants identified?
- Describe how the kinetic parameters of the enzymatic reaction have changed in the course of engineering
- Which practically important parameter is not reflected in the catalytic efficiency?