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## Interaction between ribosomes and SecYEG/YidC in bacteria

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# Stellingen

Behorende bij het proefschrift

## Interaction of ribosomes with SecYEG/YidC in bacteria

van Zht Cheng Wu

- 1) Surface Plasmon Resonance is a powerful tool to study the interaction between integral membrane proteins with soluble binding ligands (chapter 2).
- 2) SecA and ribosomes compete for the binding to the SecYEG translocon and cannot bind simultaneously (chapter 3).
- 3) The positively charged amino acid residues in cytoloc loops (R357 and R255;R256) of SecY are important for the interaction with ribosomes and ribosome nascent chains ( Menetret 2007, Chapter 3).
- 4) The elongated C-terminal tail of YidC is responsible for the ribosome interaction (chapter 4, chapter 5).
- 5) Both YidC1 and YidC2 from *Streptococcus mutans* interact with *E. coli* ribosomes and do not fundamentally differ in their ability to mediate co-translational membrane protein integration (chapter 5).
- 6) “I have no special talent. I am only passionately curious” Albert Einstein.
- 7) “Sometimes life hits you in the head with a brick. Don’t lose faith” (Steve Jobs).
- 8) The playstation gaming console is a wonderful invention that heals frustrations from the laboratory.
- 9) Translating an English summary from English to Chinese is hell of a work.