



Bachelor's Thesis / Internship

Analytical development for specific target molecules

Keywords: Protein analytics, ELISA, HPLC, Western Blot

Description of the Topic

Deutsch:

Die Analytik und Charakterisierung von Proteinen kann herausfordernd sein. Selten gibt es eine "one-fits-all" für unterschiedliche Proteine. In dieser Arbeit sollen verschiedene Methoden etabliert werden, um unsere Zielproteine quantifizieren, identifizieren und hinsichtlich ihrer Affinität zu ihren Bindungspartnern zu charakterisieren.

Englisch:

The analysis and characterization of proteins can be challenging. There is rarely a "one-fits-all" solution for different proteins. In this work, various methods will be established to quantify, identify, and characterize our target proteins in terms of their affinity to its binding partners.

Profile

- Structured and independent working style
- Creativity and enthusiasm
- Enjoyment of analytics
- Studies: Industrial Biotechnology, Bioprocess Engineering, Molecular Biotechnology, Food Technology, Biology, or similar
- Start date is flexible and can begin immediately

Tasks

- Literature review
- Focussing on different methods possible: ELISA, HPLC (size exclusion, reversed phase, ion exchange), SDS-PAGE/Western blot