



Master thesis project - Mechanistic modeling of mAb polishing HIC step

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Master thesis: Mechanistic modeling of mAb polishing in a HIC flow through step

What you'll do

You will be optimizing a hydrophobic interaction chromatography (HIC) mAb polishing step. This work will consist of experimental lab work and mechanistic modeling using the GoSilico™ Chromatography Modeling Software. The lab work includes determining good binding conditions of mAb on HIC, performing bind & elute as well as flow through model calibration experiments and investigating different salts. Based on these experiments you will calibrate a mechanistic model by comparing different model calibration modes and optimize the polishing step.

Who you are

You are in the end of your Master studies in biotechnology/ biochemistry with an interest in modeling. Further, you like to work independently with a structured approach. Ideally you already have gathered some experience in the lab. Experience in mechanistic modeling is desired but not required.

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If you've ever wondered what's within you, there's no better time to find out