EXAMENSARBETE

Nedanstående information kommer att utannonseras på COS/ www.ge.com/careers:

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KST 539747 **Antal tjänster** 1	**Sista ansökningsdatum** 2011-07-31	**HRM**

Annonstitel

Plan for 30 p masters degree project at the Bioprocess Media department at GE Healthcare

Title: Mechanism of interaction between proteins and multimodal ligands

KORT BESKRIVNING AV PROJEKTET

Chromatograhic resins functionalized with multimodal ligands are gaining in popularity. The multimodal ligands are characterized by having multiple functional groups for interaction, e.g., a hydrophobic group and an ionic group. Due to the complex nature of the multimodal ligands, optimization of chromatographic conditions on multimodal resins generally requires more work than optimization of conditions on traditional resins where only one functionality needs to be considered.

The project goal is to gain better understanding of the interaction between proteins and multimodal ligands. This will be done through thermodynamic modeling of the interactions. Experiments will be carried out on a robot in a high throughput format (96-well filter plates, PreDictor plates). For mechanistic modeling, a software program is to be written for extraction of isotherm parameters from experimental data. The generated thermodynamic data together with ligand and protein characteristics will faciliate better understanding of the mode of interaction of proteins with multimodal ligands.

KVALIFIKATIONSKRAV

- Is in the stage of doing diploma work for bachelor or engineering in the areas of Biotechnology or Chemistry
- should preferably have experience with mechanistic modelling
- has some experience in programming
- likes wet lab work
- Is analytical and can use the results towards improvements

ÖNSKVÄRT (T.EX. EGENSKAPER)

- Can work both as member of a team but also independently
- Has good planning skills
- Is able to take own decisions regarding the work to be done
- Is good at communicating (listening, sharing ideas and communicating issues)
- Is open to new ideas and not afraid of “looking around corners” to overcome difficulties
- Is purposeful, goal-oriented and responsible when it comes to delivery (time and quality)

ÖVRIGT (OM FÖRETAGET, AVDELNINGEN M.M.)

The Bioprocess Media department is part of GE Healthcare Life Sciences - R&D BioTechnologies in Uppsala. The department’s vision is to provide customers with the leading purification solutions for tomorrow's needs. Its activities include research and development of new chromatography media and design-in tools for Bioprocess including design, application and downstream development.

About GE - for posting – please do not modify

What do you envision for your future? At GE Healthcare, our vision involves looking at Healthcare in a completely new way. Focusing on earlier, pre-symptomatic disease detection and prevention, instead of late diagnosis. Helping clinicians access more information and intervene sooner with targeted treatments so their patients can live longer, fuller lives.
We believe we can help make that happen – and we’d like you to be a part of our mission. As a global leader, GE can bring together the best in science, technology, business and human resources to redefine the frontiers of healthcare.

Something remarkable happens when you bring together people who are driven to make a difference – they do.
---Your Life. Your career. Your purpose. Re-imagined---

About our Life Sciences business: Life Sciences delivers breakthroughs in drug discovery, biopharmaceutical manufacturing and the latest in cellular technologies, so scientists and specialists around the world discover new ways to predict, diagnose and treat disease earlier. The Life Sciences business also makes systems and equipment for the purification of biopharmaceuticals.

About GE – Employer Value Proposition – for posting please do not modify

What makes GE Healthcare different? Leadership & Learning - Learning is more than a classroom activity. It’s how we come together to embrace change, develop skills for change, and get energized. GE spends more than $1 billion annually in employee development and leadership training.

What makes GE Healthcare different? High-integrity business practices - Ours is an invigorating, high performance environment that emphasizes high-integrity business practices. We seek to lead in workplace and marketplace integrity by respecting the human rights of everyone touched by our business, and by enforcing legal and financial compliance.

What makes GE Healthcare different? Culture at a personal level - We all have varying priorities at different stages in our lives. Recognizing that this may mean different things to different people, GE Healthcare strives to meet the needs and desires of its employees on a personal level. This is accomplished by working to align career opportunities with the

priorities of talented individuals throughout the organization.

What makes GE Healthcare different? Committed to personal growth - At GE Healthcare, we pride ourselves on growing leaders of tomorrow. Our people, processes, and culture are designed to support and grow the individual, giving them the opportunity to develop their skills in a variety of ways while moving throughout the organization. We are dedicated to helping you build a career at GE Healthcare.

What makes GE Healthcare different? Total Rewards - GE Healthcare focuses on the total reward package in order to attract, engage and retain top talent in the organization. With a structure that rewards performance, behaviors and values, GE Healthcare is proud to offer competitive compensation and benefit plans at all levels of the organization.

What makes GE Healthcare different? Community Involvement - We believe a company does well when it does good. This belief drives organizational practices – from the philanthropic efforts of the GE Foundation to the millions of volunteer hours donated by our employees towards community initiatives worldwide.

Maila din rekryteringsbegäran till **karine.soderlund@ge.com**