



PASSION TO INNOVATE | POWER TO CHANGE

Bayer is a global enterprise with core competencies in the Life Science fields of health care and agriculture. Its products and services are designed to benefit people and improve their quality of life. Bayer seeks high energy interns ready to help shape the future by confronting new challenges, embracing new experiences and taking on increasing responsibilities.

We are currently seeking an intern in our Lead Discovery department. In Lead Discovery, we initiate and champion therapeutic projects, develop protein platform technologies, and support project teams with immunogenicity assessments, immunology assays, protein engineering, and antibody discovery.

At Bayer you have the opportunity to be part of a culture where we value the passion of our employees to innovate and give them the power to change.

Computational Biology Summer Intern

YOUR TASKS AND RESPONSIBILITIES

More specifically related to this role, the incumbent will have responsibilities to include, but not limited to:

Our intern's primary project will be to develop improved computational methods for the assessment and reduction of immunogenicity risk of our antibody therapeutics in research & development.

Immunogenicity of a drug is when a patient's immune system generates anti-drug antibodies, which may then neutralize the effect of the drug or possibly even cross-react with the patient's healthy tissues. Immunogenicity is difficult to predict for a given protein, but Bayer employs methods to evaluate and mitigate immunogenicity risk based on primary protein sequence. The intern will investigate alternative algorithms and scoring methods to improve our correlation between predicted and observed immunogenicity.

The intern's responsibilities will include: (1) in-depth familiarization with our existing computational immunogenicity platform, (2) proposing, implementing, and testing new methods, and (3) expanding our test set by adding recently published and new in-house data. All work will be computational / office work; no lab work.

In this role, the intern will learn:

- To understand immunogenicity risk in drug development and how we can mitigate it.
- To develop improved methods for immunogenicity risk assessment and reduction.

Country

United States

Locations

CA-San Francisco, CA-San Francisco, CA

Division

Bayer HealthCare

Contact us

Phone +1 877 229-3727
www.career.bayer.us

Reference Code

0000159445

Bayer is an Equal Opportunity Employer

Minorities / Females / Protected Veterans / Disabled



- To be part of an innovative and collaborative biopharmaceutical research team

WHO YOU ARE

Your success will be driven by your demonstration of our LIFE (Leadership, Integrity, Flexibility, and Efficiency) values. Related to this position, we are seeking an incumbent who possess the following:

- Enrollment in a Bachelor's degree program or Master's degree program; with the completion of Sophomore year of undergraduate studies with a concentration in Computer science, bioinformatics, bioengineering, biology, or related field
- Strong scripting skills in Perl or Python (current code base is Perl)
- Software engineering experience in a Linux environment
- Familiarity with basic biology, protein biochemistry, and immunology is a plus
- Track record of taking initiative, solving problems creatively, and a strong work ethic
- Highly effective at communicating complex technical findings

YOUR APPLICATION

Bayer offers a wide variety of competitive compensation and benefits programs. If you meet the requirements of this unique opportunity, and you have the "Passion to Innovate" and the "Power to Change", we encourage you to apply now. Job postings will remain open for a minimum of ten business days and are subject to immediate closure thereafter without additional notice. To all recruitment agencies: Bayer does not accept unsolicited third party resumes.

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