Hilfswissenschaftler / Praktikant / Research Assistant

Part-time role

About HotSpot Therapeutics

Nature tends to control the activity of proteins in the cell not through the active site, but through allosteric regulatory sites. HotSpot is focused on finding modulators of these allosteric sites in well validated disease targets in order to drug proteins previously perceived hard to drug or undruggable.

Through a proprietary technology platform, we are uncovering privileged allosteric sites – called *regulatory hotspots* - that can be exploited for small molecule drug discovery. Regulatory hotspots allow sought-after targets to be drugged for the first time while delivering molecules with exquisite selectivity, in vivo potency, and attractive drug-like properties.

To date, HotSpot has identified regulatory hotspots across over 100 targets spanning many pathways of pharmaceutical interest. HotSpot has delivered the first and only allosteric inhibitors for PKC-theta and S6 kinase, offering important new ways to treat autoimmune and metabolic disease.

HotSpot is supported by a syndicate of leading healthcare investors based in the US and Europe. For more information, please see our website at www.hotspotthera.com.

Who are we looking for?

We are looking for motivated candidates with a bachelor's degree in a Life Science related subject. Please apply if you are curious to learn more about drug discovery, target identification, platform development, allosteric modes of action, machine learning, and how it feels to work in a venture capital backed biotech company.

How HotSpot works with idalab

idalab GmbH is a close collaborator to HotSpot and has helped to develop crucial parts of SpotFinder™. idalab is HotSpot's partner of choice when it comes to Machine Learning, Big Data analysis, Artificial Intelligence, statistics, and development of user interfaces. The company provides coworking space for all HotSpot colleagues working from Germany, which allows for cross company collaboration and a shared working culture. Over the last four years, idalab has hosted several work summits, bringing together numerous collaborators of HotSpot and resulting in productive interdisciplinary meetings.

Your role

You will have the chance to work inside HotSpot's computational science team.
Key tasks will include:

- Working together with our team on our machine learning pipeline
- Analyzing and improving ML predictions
- Accessing biomedical literature data
- Target assessment for HotSpot new target selection
- Integration and interpretation of diverse biological data

Requirements

- Currently enrolled or finished Bachelor's degree in Life Science related subject
- Fluent English skills (writing and speaking)
- Great communication skills

- Keen interest in biochemical and biological questions, statistics, and machine learning
- Programming skills are a plus (but not required)

Location
During the Covid-19 shutdown HotSpot maintains a home office policy and we aim at getting all work done remotely.
Once the shutdown is over, the principal location to work on this project will be our office space at idalab GmbH, Potsdamer Strasse 68, Berlin, Germany.
You will be part of HotSpot's Berlin based team, which is co-located with idalab, our strategic partner for Artificial Intelligence and Machine Learning.

Application process
At HotSpot, we have a bold mission to establish new drug discovery paradigm. If this appeals to you, please send your application (CV, relevant certificates) via email to Michael Schauperl at mschauperl@hotspotthera.com. Subject line should be as "Application as student worker – *your name*"
Upon positive reply, we will invite you to a 30-45 min telephone call to learn about your motivation and your knowledge base. Successful candidates will then get a 'student worker' contract at 15€/hr and can start as soon as possible.
We are looking forward to meeting you!