nostrum biodiscovery

AI Engineer – Language Models in Antibody Design

Job Description

Nostrum Biodiscovery is seeking a new AI Engineer to be involved in the development of language models for the design, optimization, and discovery of antibodies. This position is intended for someone passionate about artificial intelligence with a strong interest in biology. The position will require the development, benchmarking, implementation, and optimization of several models in collaboration with other teams both computational and experimental.

Job Requirements

- **Experience in programming with Python and usage of bash.**
- **Experience with Pandas, Sklearn, PyTorch and/or Tensorflow, Keras.**
- **Knowledge or experience in bioinformatics and/or biochemistry will be highly valued.**
- **Experience in implementation of generative models and language models will be highly valued..**
- **Experience in the usage of common molecular simulation software, data visualization techniques and usage of a cluster is a plus.**

The Offer – Working Conditions

- **Contract duration: permanent.**
- **Estimated annual gross salary: Salary is commensurate with qualifications and consistent with our pay scales.**
- **Target start date: immediately.**

Application Procedure

All applications must include:

1. **A motivation letter addressed to Alexis Molina.**
2. **A complete CV including contact details.**
3. **Contact details for two references.**

All applications must be sent to : jobs@nostrumbiodiscovery.com

About NBD

Nostrum Biodiscovery is a spin-off from the Barcelona Supercomputing Center (BSC-CNS) and the Institute for Research in Biomedicine (IRB), two of the most recognized Spanish international research centers.

We provide advanced technologies in Molecular Modelling, **with two areas of focus:** Therapeutics **(small molecules design, TPDs, antibodies, immunologics, nucleic acids) and** Sustainable Chemistry **(enzyme engineering/***ab initio* **creation).**

Our customer-tailored solutions are based on state-of-the-art proprietary and 3rd-party software, combined with the latest development on AI. **We use best in-class Molecular Modeling for data augmentation and fine-tuning of dedicated machine-learning algorithms.**

Our competitive advantage not only relies on our software and IT capacity, but also on our expertise, with talented and passionate people with background in Med Chem, Biophysics, IT and Business.

We now have clients in more than 12 countries and are currently expanding in Asia, Latin America while strengthening its presence in the US and Europe.