Scientist/Senior Scientist, Data Science

Epigenetic Editing & Machine Learning (Vienna, Austria)

Epitome Therapeutics is an early-stage biotechnology company based in Vienna, focused on developing a next-generation epigenetic editing platform to transform the way we understand and treat disease. We are a spin-off of Europe's top life science institution EMBL, that brings together bold ideas, cutting-edge tools, and a collaborative team spirit.

We are seeking an ambitious **Scientist / Senior Scientist (full-time)** to own the computational stack behind our epigenetic editing programmes end to end. Our platform provides a rare chance to build predictive models on causal, purpose-generated perturbation data, and to turn those models into the design engine for a new class of epigenetic medicines. You will shape our data architecture from the ground up, decide how we learn from our own experiments, and contribute at the entrepreneurial level to the direction of a fast-moving company at the leading edge of CRISPR therapeutics.

What you'll do

- Analyse perturbation and CRISPR screening data to resolve how a targeted epigenetic perturbation impacts gene activity.
- Curate, integrate and interpret multi-modal (epi)genomics data: chromatin accessibility, DNA methylation, histone modifications, 3D contacts and matched expression profiles, analysed within robust, reproducible genomics workflows.
- Build the pan-Epitome data archive from scratch: a searchable, version-controlled resource that becomes the training substrate for every model we deploy.
- Generate and test hypotheses on gene regulatory mechanisms - which elements control which genes, in which cell context, and how durably a locus can be rewired. Lay the building blocks for predictive modelling.
- Present findings to the team, leadership and external partners, and help define our computational and data strategy.

What we're looking for

- MSc or PhD in computational biology, bioinformatics, (epi)genomics, machine learning or a related field. Postdoctoral and/or industry experience is valued but not necessary — we hire on demonstrated ability, not title.
- Strong coding skills (Python and/or R) and a track record of running high-throughput analyses end to end: PyTorch or equivalent, version control, workflow managers (Nextflow, Snakemake) and cloud or HPC compute.
- Experience training, evaluating and interpreting machine learning models on biological data. Familiarity with sequence-to-function models (Enformer/AlphaGenome-type architectures) and with gene regulation is a strong plus, but not a requirement.
- Hands-on experience with perturbation screening or single-cell data (CRISPR screen, single-cell multiome, Perturb-seq) and/or (epi)genomics data (ChIP-seq, EM-seq *etc*) is beneficial.
- Excellent problem-solving, prioritisation and communication skills, and the ability to work closely with experimentalists.
- A flexible, entrepreneurial spirit - comfortable moving fast and adapting as we grow

Why join us?

- See your models and the company foundations you build act on the world: predictions here translate into edits, into programmes, and ultimately into therapies for diseases driven by gene regulation.
- Work with data that does not exist anywhere else. Our epigenome editing platform generates causal, targeted perturbations of chromatin state, giving your models the ground truth that purely observational genomics lacks.
- Work in Vienna, a global hub for life sciences and one of the world's most liveable cities.

- Collaborate with a passionate, multidisciplinary team tackling some of the most exciting frontiers in CRISPR applications.
- Competitive compensation and benefits package.

If you're excited about learning the rules of gene regulation well enough to rewrite them – and about building the models that tell us where to write in order to cure disease – we'd love to hear from you.

Austrian employment law requires to state the minimum monthly salary according to the collective labor agreement, which for this position is EUR 3.919,67 gross based on full-time (40 hours per week), 14 times per year. The actual salary will be derived from relevant job experience and qualifications, and can be negotiated.

Contact careers@epitome-tx.com for more information or for handing in your application (CV and letter of motivation including 2 references, please include your salary expectation in the letter).