Senior Scientist

About AtG

AtG Therapeutics is a pioneering pre-clinical biotech company headquartered in Barcelona, Spain, with a mission to revolutionize cancer treatment. Established in 2022 as a spin-off of two leading cancer centers in Spain, we are dedicated to Outsmarting Tumor Adaptation, a critical aspect of combatting cancer's dynamic nature. At AtG, we focus on developing inhibitors against adaptation vulnerabilities, coupled with patient selectors, to make a lasting impact in the fight against cancer.

Role description

We are seeking a highly motivated and talented **Senior Scientist** with expertise in **Cancer Biology** and **Bioinformatics** to join our dynamic research team. The successful candidate will play a pivotal role in both; *in-vivo* and *in-vitro* assay development, as well as analysing multiple & large biological datasets to drive insights supporting cancer research and drug discovery. You will contribute to our cutting-edge projects by developing bioinformatics pipelines and integrating assay data into our research and drug discovery efforts.

Key Responsibilities:

Data Analysis & Interpretation:

- Analyze large-scale biological datasets (e.g., genomics, transcriptomics, proteomics) to identify biomarkers, adaptation mechanisms, and therapeutic targets.
- Develop and implement bioinformatics pipelines for data processing, quality control, and analysis.

In-Vivo and *In-Vitro* Assay Design:

- Lead the design and development of *in-vivo* and *in-vitro* assays to evaluate and validate the interaction of our drug candidates with specific molecular targets.
- Design experimental protocols, select appropriate readouts, and ensure assay robustness and reproducibility.

Collaboration & Integration:

- Work closely with experimental biologists and clinical researchers to interpret data, generate hypotheses, and inform experimental design.
- Collaborate with cross-functional teams to integrate bioinformatics analysis into ongoing R&D workflows.

Tool Development & Optimization:

- Design, develop, and maintain bioinformatics tools, algorithms, and databases to facilitate efficient data analysis and retrieval.
- Optimize existing bioinformatics workflows and ensure reproducibility of results.

Reporting & Documentation:

- Prepare detailed reports, visualizations, and presentations to communicate findings effectively.
- Document all bioinformatics processes, ensuring data integrity and compliance with scientific standards.

Qualifications:

- Ph.D. in Life Sciences, Bioinformatics, Computational Biology, or a related field. A background in oncology or cancer biology is mandatory.
- Proven experience in bioinformatics, particularly in handling large biological datasets (e.g., NGS data).
- Proficient in programming languages such as Python, R, or equivalent, and experience with bioinformatics software and tools.
- Strong analytical and problem-solving skills, with attention to detail.
- Familiarity with biological databases (e.g., GenBank, Ensembl) and sequence alignment tools (e.g., BLAST, BWA).
- Demonstrated success in developing and optimizing **in-vivo** and **in-vitro** assays for various molecular targets.
- Experience in designing and performing mouse models (FELASA accreditation is a plus).

Experience:

- 3+ years of experience in biomedical research with bioinformatics, preferably within biotech or academic settings.
- Expertise in cancer biology and experience working with cancer cell lines and animal models.
- Experience integrating bioinformatics into drug discovery pipelines is highly valued.

What We Offer:

- Full-time contract in an exciting biotech start-up environment.
- Competitive salary and benefits package.
- Opportunity to work on groundbreaking projects with real-world applications.
- Collaborative and innovative work environment.
- Career development and growth opportunities.
- A chance to contribute to the advancement of cancer treatment.

If you are already thrilled to know more and meet the position's criteria, we want to know you! **Send us an e-mail to** jointhefuture@atgtx.com attaching your CV with the subject **"Senior Scientist"** and we will get in touch with you soon.

Deadline: Please submit your application by 15/03/2025.