



Brief to Search

For a Computer scientist in Structural Bioinformatics

Permanent contract,
Based part time in Tours, France

For MAbSilico



Your role at MAbSilico

The computer scientist plays a strategic role in guiding MAbSilico's customers in their use of our solutions and products.

The objective is to accompany the ongoing R&D projects while integrating MAbSilico's solutions in customer's antibody development pipelines. Your role in professional services is essential to MAbSilico customers, especially to provide expertise in structural biology. The great proximity with MAbSilico customers, in particular those using the software MAbFactory, will also put you in a privileged position to suggest new functionalities. You will participate to the specifications and testing of these new software functionalities.

Your experience and skills

Experience:

- PhD in structural biology or M.Sc. with at least 5 years of experience in structural biology, either experimental or computational.

Skills and knowledge:

- Deep scientific understanding of protein structure.
- Knowledge in immunology or antibodies is essential.
- Comfortable with the use of structural bioinformatics, including those requiring to work in command line.
- Demonstrate excellent communication and interpersonal skills, including conflict resolution.
- Understanding of our business and its market and regulatory environment.

Personal attributes:

- Comfortable and calm in a rapidly changing environment.
- Willing to take a risk on something as yet unproven.
- Raising internal expectations of individual and collective excellence.
- English speaking proficiency is required and French knowledge is an advantage.

The key responsibilities

Within the software development team:

- *Customer training and support:* the project manager will support MAbSilico customer in their use of the software, including interpretation of the results obtained.
- *Customer feedback collection and analysis:* the project manager centralizes feedback from MAbSilico customers and analyses it, in order to help the software development team in choosing the priorities.
- *Feature design and testing:* the project manager assists the software development team in specifying the new features to be included in the SaaS, and tests them before their release.

Business development:

- *Support material:* the project manager works closely with the business development team to define Handbook/key notes to define MAbSilico's market positioning and therapeutic focus areas.
- *Technical presentation:* the project manager prepares with the business team technical meetings for prospect and customers.

Organization

The project manager works in the professional services team, under the supervision of the CEO. You are collaborating with SaaS, R&D and Biology teams.

The activity during the initial 6 months is located in the office of MAbSilico in the city of Tours (France), on-site with 2 days per week on remote. After this initial period, half-time will be located in Nantes. The permanent contract will start as soon as possible.

Salary & Holidays

Depending on experience.

The number of paid holidays correspond to 25 working days (i.e. 5 weeks of paid holidays) for a full year work during the reference period taken into account.



Position evolution

As part of a startup, your job position can evolve in line with the scaleup and growth of the company. The professional services activities of MAbSilico are anticipated to grow fast in the coming months, and you will be in a privileged position to occupy important functions in this new department. MAbSilico encourages training of its employees and proposes to organize with the research engineer his/her training scheme.

MAbSilico in brief

Summary:

MAbSilico is a French tech-bio company which designs and implements computational solutions for the development of therapeutic antibodies and bio-drugs, which are used in an increasing number of pathologies. MAbSilico aims at creating a formal approach of antibody development, reducing the risks of failure and the duration of pre-clinical steps as well as strengthening intellectual property protection. Conventional approaches for the discovery and pre-clinical development of such drugs take two to three years, while MAbSilico technologies allow shrinking this time to a few weeks.

This technology based on artificial intelligence and machine learning is the result of more than twenty years of French scientific research (laboratories affiliated to INRAe and CNRS).

Strategy:

MAbSilico develops computational methods based on artificial intelligence for the selection, characterization and optimization of antibodies. Once completed, methods will allow generating a few candidates ready for final experimental validation and pre-clinical tests, reducing this phase of the development of a therapeutic and/or diagnostic biomolecule from 3 years to few weeks. MAbSilico is also very attentive to the extensive experimental validation of its methods. For this reason, MAbSilico conducted since its very beginning experimental validation of its own algorithms as proof of concept. These experiments are either conducted in-house, or through collaborations with academic partners or private companies. Our products are distributed through a scalable SaaS platform integrating within our clients' workflows.

SaaS – Platform Technology:

The MAbSilico pipeline consists in a suite of AI-based tools, allowing the selection, characterization and optimization of leads in a few hours. Some of these tools have already been in operation for two years, such as MAbTope, which allows predicting the epitope of an antibody in less than one hour. This method has now been extensively validated. The methods MAbBinning (allowing to cluster antibodies within a very large group along their ability to bind a same target at the same epitope), MAbCross (allowing to predict off-targets: proteins to which the antibody binds, other than its primary target) and MAbHuman (antibody framework humanization) are also operational.

Machine Learning:

Antibody repertoires are very large. A single individual possesses approximately 10^{12} different antibodies, and the number of possible antibodies is even much higher. Among these, only a small fraction represents real therapeutic solutions with high affinity and specificity. To rationalize the search of 3D-templates space, MAbSilico is leveraging AI and machine learning algorithms to pull the most promising candidates.

Experimental validations are then conducted in-house to validate predictions. With this back-and-forth approach, MAbSilico is pretty unique as a deep-tech company.

Background:

Since its inception in 2017, MAbSilico has grown to 10 FTE, including 7 PhDs. MAbSilico has been selected as one of the six winners of the Bpifrance Concours d'innovation, i-Nov, award in "Bioproduction" track in 2019 and other international grants like Bill and Melinda Gates Foundation. With more than 55 clients in pharma industry, MAbSilico is one of the world leader in the field of computational antibody drug discovery.

The team is divided into three departments: (1) biology, (2) software engineering & data science and (3) Computational sciences. This team has been tasked with the exciting challenge of developing various tools that can guide biologists, speed up lab efforts and lead generation of new therapeutic strategies. It's a multidisciplinary team that includes protein engineers, data scientists, bioinformaticians and software engineers. Each department is engaged in both capability development projects and asset development projects.



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Approved by:
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CEO

Job description:
Computer scientists

Starting date:
2026

Date:
17/11/2025

**Non-
Confidential**

The company is now seeking to recruit a highly motivated and talented **Computer scientist**. This person will work with the AI/ML team. This person will assist the CSO in accompanying the customers in their use of the product, and provide them professional services. This person, after an initial training period in Tours of approximately 6 months.



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