



# About Us

## Who are we?

BISC Global is a young and fast-growing company active in Bioinformatics and Statistics Consulting. In recent years, the major challenges in biotechnological research have shifted away from generating data and more towards data analysis. It is our goal to address these changing needs and build bridges between the worlds of biology and informatics, mathematics and engineering, young professionals and established experts.

As Consultant you will have the opportunity to work on exciting projects of BISC Global's customers in the pharmaceutical industry, biotech and academia. You work full- or part-time on-site with the customer, where you aid them with functional analysis, data-integration or implementing and executing analysis methodologies and visualisation techniques. Throughout this, you are coached by our team of senior experts in bioinformatics and statistics to provide you with optimal support in your professional and personal development.



# Bioinformatics Consultant

## Who are we looking for?

- You have a Master's degree or Bachelor's degree + 2 years of experience in a quantitative field such as computer science, Computational Biology, Bioinformatics, Statistical Data Analysis, Mathematics or an equivalent degree or experience in a related field You have profound knowledge of molecular biology, genetics, epigenetics, transcriptomics and proteomics
- You have basic knowledge and hands-on experience in experimental design, data analysis strategies and techniques, data visualisation
- You have hands-on experience with NGS data processing and analysis (NGS platforms such as Illumina, PacBio, Ion Torrent or Nanopore, or array-based data)
- You have knowledge of data structures and databases, and are used to working with publicly available datasets and tools
- You have strong programming skills in Unix and standard bioinformatics tools (Python, R, or equivalent).
- Experience/knowledge of programming languages such as C/C++, Java or data base languages such as SQL are a plus.
- Experience in Best practices in coding, including techniques of reproducible and transparent science (github/bitbucket, DockerHub, markdown documentation) and workflow managers (e.g. Nextflow, Snakemake, etc.) is a plus.
- Previous experience with bioinformatics projects (pathway analysis, differential analysis, data and text mining, database querying, machine learning etc.) or biostatistics projects (e.g. hypothesis testing, regression modelling etc.) is a plus
- Knowledge of experimental design, statistical data analysis or machine learning is a plus
- Experience with data management, cloud infrastructure and software development is a plus





### What is expected of you?

- You enjoy project-based working and have a strong analytical mindset
- You are eager to learn and have a healthy sense of responsibility
- You can work independently but are also a team player
- You enjoy working in a multidisciplinary environment with people of diverse professional background (IT, (molecular) biology, chemistry, statistics, etc.)
- You are communicative and customer focused
- You are fluent written and verbally in English

### What do we offer?

- A challenging job environment with advancement opportunities
- A young and dynamic company with an open culture, easy communication and ambitious vision
- Project guidance and support from our academic experts
- A strong focus on your personal and professional development
- An attractive salary with additional benefits

### Interested?

Please send your resume and motivation letter to: Fleur Leenen, [fleur.leenen@biscglobal.com](mailto:fleur.leenen@biscglobal.com), Tel (617) 890-9868



# Senior Bioinformatics Consultant

## Who are we looking for?

- You have a PhD degree or a Master's degree + 4 years of experience in Bioinformatics, Computational Biology, Statistical Analysis, Data Analytics, Mathematics or an equivalent degree or experience in a related field
- Demonstrated expertise in molecular biology and the application of computational approaches within these fields. In depth knowledge of Immunology, Immune repertoire, or gene editing is a plus.
- You are experienced in development, optimisation and automation of analysis pipelines for high dimensional data (genetics, epigenetics, transcriptomics and/or proteomics)
- You have knowledge of data structures and databases, and are used to working with publicly available datasets and tools
- You have experience with data modelling, visualisation and graphical interfaces.
- You have strong programming skills in Unix and in standard bioinformatics tools (Python, R or others) and are at ease conducting algorithm development.
- Experience/knowledge of programming languages such as C/C++, Java or data base languages such as SQL are a plus.
- You are familiar with Best practices in coding, including techniques of reproducible and transparent science (github/bitbucket, DockerHub, markdown documentation), workflow managers (e.g., Nextflow, Snakemake, etc.) and documentation.
- Knowledge of experimental design, statistics and machine learning is desirable
- Experience with data management, cloud infrastructure and software development is a plus
- You have experience with project management.
- You are strong in communicating technical information, both to a technical and nontechnical audience.





### **What is expected of you?**

- You enjoy project-based work and have a strong analytical mindset
- You enjoy working in a multidisciplinary environment with people of diverse professional backgrounds (IT, (molecular) biology, chemistry, statistics, etc.)
- You are communicative and customer focused
- You are fluent in English, both written and verbally
- You act as a mentor towards younger colleagues at BISC Global
- You take initiative and have an eye for new opportunities

### **What do we offer?**

- A challenging job environment with advancement opportunities
- A young and dynamic company with an open culture, easy communication and ambitious vision
- A rich team with a mix of backgrounds, experiences and expertise
- Independence and flexibility
- An attractive salary package with additional benefits

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Tel: +1 (617) 890-9868



# Senior Statistics & ML Consultant

## Who are we looking for?

- You have a PhD degree or a Master's degree + 4 years of experience a quantitative field such as computer science, Computational Biology, Bioinformatics, Statistical Data Analysis, Mathematics or an equivalent degree or experience in a related field.
- Demonstrated expertise in statistical, ML and AI methods in data analysis, preferably with applications to high-throughput sequencing or other biological assays
- You have experience with data modelling, visualisation and graphic interfaces.
- You have knowledge of data structures, databases, and diverse data types and sources is preferred (eg. clinical trial data, real word data, public database, omics data, imaging, wearable data, etc.).
- Knowledge of molecular biology and the application of computational approaches within these fields is desirable.
- You are experienced in development, optimisation and automation of analysis pipelines for high dimensional data.
- Knowledge of PK, PD, clinical pharmacology, traditional PK/PD modeling, pharmacometrics or quantitative systems pharmacology modeling are a plus
- You have strong programming skills in Unix and in standard bioinformatics tools (Python, R or others) and are at ease conducting algorithm development.
- Experience with end-to-end systems with modern ML frameworks such as TensorFlow, Pytrch or Keras is a plus.
- Experience/knowledge of programming languages such as C/C++, Java or data base languages such as SQL are a plus.
- You are familiar with Best practices in coding, including techniques of reproducible and transparent science (github/bitbucket, DockerHub, markdown documentation), workflow managers (e.g., Nextflow, Snakemake, etc.) and documentation.
- You have experience with project management
- You are strong in communicating technical information, both to a technical and nontechnical audience





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# Statistics and ML Consultant

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- You have a Master's degree or Bachelor's degree + 2 years of experience in a quantitative field such as computer science, Computational Biology, Bioinformatics, Statistical Data Analysis, Mathematics or an equivalent degree or experience in a related field
- You have profound knowledge of molecular biology and biostatistics
- You have knowledge and hands-on experience in experimental design, data analysis strategies and techniques, data modelling and visualisation applied to biological and/or clinical data sets.
- You have knowledge of data structures databases, and diverse data types and sources is preferred (eg. clinical trial data, real word data, public database, omics data, imaging, wearable data, etc.).
- You have knowledge of the foundational machine learning methods and newly emerging ones, including linear and nonlinear regression and classification models, dimensionality reduction, and deep learning.
- You have strong programming skills in Unix and standard bioinformatics/statistics tools (Python, R, SAS or equivalent).
- Experience/knowledge of programming languages such as C/C++, Java or data base languages such as SQL are a plus.
- Experience with end-to-end systems with modern ML frameworks such as TensorFlow, Pytrch or Keras is a plus.
- Experience in Best practices in coding, including techniques of reproducible and transparent science (github/bitbucket, DockerHub, markdown documentation) and workflow managers (e.g. Nextflow, Snakemake, etc.) is a plus.
- Previous experience with bioinformatics projects (pathway analysis, differential analysis, data and text mining, database querying, machine learning etc.) or biostatistics projects (e.g. hypothesis testing, regression modelling etc.) is a plus
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