EF CLIF
EUROPEAN FOUNDATION FOR THE STUDY OF CHRONIC LIVER FAILURE

# Bioinformatician

## About the role

The Data Management Center at the European Foundation for the Study of Chronic Liver Failure (EF CLIF) is expanding its scope to conduct large-scale observational studies and clinical trials of increasing complexity.

We are looking for a bioinformatician to support clinical research activities with a focus on quality and research excellence.

The candidate's responsibilities include:

- Apply innovative approaches to study design in the writing of statistical analysis plans (SAPs), analysis, data modeling and exploration, and data visualization for large-scale clinical studies
- Contribute to writing, revising and editing of abstracts and manuscripts for publication
- Anticipate and communicate timely any data quality issues that may impact delivery of information; propose and implement solutions, and make timeline adjustments whenever appropriate
- Work together with members of the Data Management Center and collaborating reseachers worldwide
- Develop tools and resources and prepare related documentation
- Generate reports for all project stakeholders

## About the team

The successful candidate will join the Data Management Center, led by Cristina Sánchez-Garrido who coordinates all activities related to the development of clinical platforms, data cleansing processes, and biological sample management. The team is currently constituted by 6 members including bioinformaticians, statisticians, data managers, and the Chief Information and Technology Officer.

Throughout the data lifecycle, from collection and preservation to analysis and dissemination, the Data Management Center operates in accordance with the FAIR principles – making data findable, accessible, interoperable and reusable, applying the highest standards in clinical research and in compliance with the General Data Protection Regulation (GDPR).

The Data Management Center is based in the EF CLIF Headquarters in Barcelona, Spain, and serves as a resource for our members and collaborators in tertiary care university hospitals across the world, enabling access to relevant clinical and laboratory data, and specimens through a secure environment.

The Data Management Center plays an important role in the design and development of the databases and protocols for all EF CLIF sponsored studies, ensures good research data management, assists regional coordinator with protocol implementation, tracks specimen information, delivers remote training across study sites, and contributes to data analysis and manuscript preparation.

Moreover, the Data Management Center provides support in the study design and work planning of research project proposals, as well as bioinformatics and statistical expert consultation.

## Requirements to fulfil this position

### Professional experience

- You have a minimum work experience of 3 years in clinical study design and generating research results and outputs for publication
- You are familiar with academic research and large-scale observational studies

### Education and training

- Bachelor's degree or Master's degree in Biostatistics or Bioinformatics, with practical experience applying statistical analyses and methods in biomedical or clinical research

### Technical skills

- You have experience with omics-related methods and techniques (RNA-Seq, metabolomics, GWAS, etc.)
- You have experience with R programming for statistical computing and graphics and/or SAS

### Competences

- You have excellent organizational, prioritization, and communication skills
- You have the ability to work as part of an interdisciplinary team and in simultaneously in a wide variety of projects
- You are eager to understand the pathophysiology of the disease and ready to contribute to the research with your skills

### Languages

- Good command of the English language

## We will value

- Experience with Python and Bash
- Previous working experience in a biomedical research institution, clinical research organization, or hospital
- Experience with SQL approaches to database design

## We offer

- **No. of positions:** 1
- **Start date:** upon agreement
- **Contract duration:** full time, permanent, 37,5 h per week
- **Annual gross salary:** competitive salary, commensurate with qualifications
- Flexible working schedule, 23 days annual leave
- Perks include fresh fruit, coffee and tea, and Ticket Restaurant®
- Inclusive workplace
- The possibility to attend and present at international conferences and congresses
- The possibility to be trained abroad
- Co-authorship in high impact journals

We provide a highly stimulating environment and unique professional development opportunities tailored to our employees' needs.

We welcome applicants regardless of age, disability, gender, religion or political beliefs.

## Application procedure

Applications must include:

- A motivation letter addressed to Mrs. Cristina Sánchez-Garrido
- A complete CV including contact details
- Contact details of two referees

Applications must be sent out by email via efclif@efclif.com indicating reference BIOINFO

## Selection process

- **Pre-selection:** The pre-selection process will consist on an eligibility check based on qualifications and expertise reflected on the candidate's CV.
- **Interview:** Best positioned, pre-selected candidates may be called to arrange an interview. Candidates will be interviewed by the hiring manager and an ad hoc selection panel.
- **Formal job offer letter:** Once identified, we will send a job offer to the successful candidate indicating start date, salary, working conditions, and any additional relevant details.

**Deadline:** Please submit your applications by 11 April 2025

## Our organization

The European Foundation for the Study of Chronic Liver Failure (EF CLIF) is a private nonprofit organization which mission is to promote research and education in chronic liver disease with the aim to contribute to improving the quality of life and to increase the survival of patients with cirrhosis.

EF CLIF has made pioneering efforts in conducting a series of large, international prospective studies that have been instrumental in reclassifying the trajectory of patients with chronic liver failure and led to the clinical, prognostic and pathophysiological definition of the syndrome referred to as “acute-on-chronic liver failure” (ACLF) characterized by acute decompensation of cirrhosis, severe systemic inflammation, organ failures, and high short-term mortality.

Since its foundation in 2009, the European Association for the Study of the Liver (EASL) Chair supports research activities through the EASL-CLIF Consortium, a network of 120 tertiary level university hospitals in 29 European countries. The EASL Chair promotes research in liver disease in Europe through a collaborative effort aimed at furthering the knowledge and understanding of the mechanisms underlying cirrhosis and its complications. The EASL-CLIF Consortium provides the framework to conduct ancillary studies and clinical trials that will lead to evaluate new therapies in cirrhosis, establish diagnostic criteria, and identify predictors for the design of new prognostic scores for acute-on-chronic liver failure—to improve the quality of life and survival of current and future patients with cirrhosis.

The Grifols Chair promotes translational studies across centers throughout Europe and North America within the framework of the European Network for Translational Research (ENTR) with 21 centers in 7 countries. The Grifols Chair promotes research aimed at characterizing the mechanisms underlying the presence of systemic inflammation in patients with decompensation of cirrhosis and its role in the development of acute-on-chronic liver failure

More recently, the establishment of the Global Projects chapter has enabled to establish connections between healthcare professionals and experts over the world to further the understanding of the epidemiology and pathophysiology of ACLF. Through collaborative research, the Global Projects also aim to identify novel biomarkers and therapeutic targets in cirrhosis and develop guidelines that will contribute to minimize regulatory barriers and facilitate better outcomes and quality of life for patients with chronic liver disease worldwide. EF CLIF also partners with industry to address unmet medical needs in cirrhosis and generate insights to drive innovative therapeutic solutions that can transform and revolutionize patient care.

The Data Management Center enables access to specimens and relevant clinical and laboratory data, and provides bioinformatics and statistical analysis expertise.