

Job Title: Postdoctoral Researcher - Respiratory Microbiome Analysis

Location: Barcelona

About Us:

Our research group “Applied research in respiratory infectious diseases and critically ill patients, www.idibapsrespiratoryresearch.org , within IDIBAPS as a leading research institution, is dedicated to advancing knowledge in the field of respiratory microbiome and its implications for respiratory diseases. We are currently seeking a highly motivated and skilled Postdoctoral Researcher to join our dynamic research team.

Position Overview:

As a Postdoctoral Researcher, you will play a pivotal role in our ongoing research projects focused on respiratory microbiome analysis. You will be responsible for conducting microbiome analyses, with a strong emphasis on bioinformatics and bioanalytic tools including Artificial Intelligence. The successful candidate will have the opportunity to work with cutting-edge technologies and collaborate with multidisciplinary teams.

Key Responsibilities:

Perform high-throughput sequencing data analysis, including 16S rRNA gene sequencing, metagenomics, and metatranscriptomics with Minlon device from Oxford nanopore.

Utilize advanced bioinformatics tools and software to analyze complex microbiome datasets.

Collaborate with researchers to design experiments, collect samples, and generate sequencing data.

Interpret and visualize results, and effectively communicate findings to the research team.

Stay current with the latest advancements in microbiome analysis techniques and bioinformatics tools.

Publish research findings in peer-reviewed journals and present at scientific conferences.

Qualifications:

Ph.D. in Microbiology, Bioinformatics, Computational Biology, or a related field.

Strong background in microbiome research with a focus on respiratory microbiome.

Proficiency in bioinformatics, including experience with tools such as QIIME, mothur, R, Python, and other relevant software.

Experience in analyzing high-throughput sequencing data, including 16S rRNA gene sequencing, metagenomics, or metatranscriptomics.

Experience in using Minlon device from Oxford Nanopore for sequencing

Excellent analytical and problem-solving skills.

Strong written and verbal communication skills.

Ability to work both independently and collaboratively in a team environment.

Benefits:

Competitive salary according to the candidate merits and experience.

Access to state-of-the-art research facilities and resources.

Opportunity for career development and advancement.

Collaborative and stimulating research environment.

Application Instructions:

Interested candidates should submit the following documents to [Email Address]:

Cover Letter outlining their research experience and interests.

Curriculum Vitae (CV) with a list of publications.

Contact information for three professional references.

Please use "Postdoctoral Researcher Application - Respiratory Microbiome" as the subject line in your email.

Application Deadline: November 2023.

We look forward to receiving your application and welcoming a passionate researcher to our team dedicated to advancing the understanding of the respiratory microbiome.

Please contact: lfernand1@recerca.clinic.cat and atorres@clinic.cat