

Postdoctoral Researcher (Bioinformatics/Skin Biology)
J. Craig Venter Institute in La Jolla, California, USA

The Skin Science Foundation (SSF) has partnered with Professor Richard Scheuermann and his team at the J. Craig Venter Institute in La Jolla, California, USA - one of the leading bioinformatics hubs in the world.

We are now seeking a highly motivated post-doctoral candidate to work with Professor Scheuermann's team of data scientists and bioinformaticians in his laboratory at La Jolla,, for a period of 18-months. This is an opportunity for the right candidate to learn first-hand how bioinformatics, big data and machine learning are changing the world of medical science. The intended outcome is to shape next-generation skincare using big data and cutting-edge computational approaches and transferring the knowledge for establishing a European Skin Bioinformatics centre of excellence.

Until now, medical research has focused primarily on finding solutions to treat diseases after they developed. Advances in technologies and bioinformatics allow us to generate large data sets that will help us understand the factors that contribute to healthy skin. If we can understand why skin becomes unhealthy, then we can intervene early enough to prevent this happening.

The first step in this initiative is to undertake a landscape analysis of skin science research in order to identify the gaps in research and design strategies to fill them. To do this, the successful candidate will have experience in biostatistics, preferably using R, and "omics" data analysis, and a basic knowledge in skin biology and disease pathways linked to inflammatory and hyperproliferative skin conditions such as psoriasis, eczema and cancer. The post will involve translational bioinformatics, which will include curation and analysis of datasets derived from both new and existing omics data. These datasets will have relevant linkage to patient clinical data and real-life mechanistic measurements in order to uncover actionable opportunities and predictive markers of skin disease.

QUALIFICATIONS

Postgraduate - Doctorate/PhD or MD, PhD

JOB TYPE

Researcher

JOB HOURS

Full-time for 18 months

JOB LOCATION

J. Craig Venter Institute in La Jolla, California, USA

Application process

Application deadline: 30 October 2019

An employment application must contain the following documents in English:

1. A personal letter highlighting previous scientific accomplishments and technical expertise
2. A complete curriculum vitae, including thesis title and date of defense, previous academic positions, academic title, current position, academic distinctions, and committee work

3. A complete list of publications
4. A summary of current work (no more than one page)
5. Name, position and email of two referees

Applications must be sent by email to:

Mounia Heddad-Masson
Scientific Projects Manager
Skin Science Foundation
7 Rue Cingria
1205 Geneva
Switzerland

mounia.masson@skinsciencefoundation.org

About the Skin Science Foundation

The Skin Science Foundation (SSF) is a non-profit organization based in Geneva, Switzerland founded by the European Society for Dermatological Research (ESDR). Supported by leading skin science healthcare companies, Galderma, LEO Pharma and Celgene, the SSF's mission is to accelerate the transition from the treatment to the prevention of skin disease.