

Job Title: **Personalized Vaccine Development Computer Scientist (Med-Tech Startup)**

Company Overview:

VERDI Solutions is a fast-growing Med-Tech startup based in Vienna, Austria. We are dedicated to developing personalized solutions that improve outcomes and treatment experiences of cancer patient. Leveraging cutting-edge technology and scientific advancements, we aim to revolutionize the medical field by providing personalized and data-driven vaccine solutions. Our team is composed of talented individuals who are passionate about making a positive impact on the lives of patients worldwide.

Job Description:

We are seeking a highly skilled and motivated Computer Scientist to join our team and tackle the challenges in personalized vaccine development. As a Computer Scientist, your primary responsibility will be to analyze transcriptome data derived from tumor samples and apply computational techniques to support the development of personalized vaccines for cancer treatment. You will collaborate closely with a multidisciplinary team of researchers, including biologists, clinicians, and bioinformaticians, to advance our understanding of cancer immunology and contribute to the development of innovative therapeutic strategies.

Responsibilities:

1. **Transcriptome Data Analysis:** Apply state-of-the-art computational methods and algorithms to analyze transcriptome data derived from tumor samples. Utilize your expertise in bioinformatics, machine learning, and statistical analysis to identify key features, biomarkers, and patterns that can inform the design of personalized vaccines.
2. **Algorithm Development:** Design and develop novel algorithms and computational models to extract meaningful insights from large-scale transcriptomic datasets. Incorporate existing bioinformatics tools and develop custom software solutions to process, integrate, and visualize transcriptome data.
3. **Data Integration and Interpretation:** Integrate transcriptome data with other relevant omics data, such as genomics and proteomics, to gain a comprehensive understanding of tumor biology and immune responses. Collaborate with biologists and clinicians to interpret the findings and identify potential vaccine targets.
4. **Machine Learning and Predictive Modeling:** Apply machine learning techniques to build predictive models for patient response to personalized vaccines. Develop algorithms to predict vaccine efficacy, identify patient-specific immunogenic features, and optimize vaccine design strategies.

If you are passionate about developing innovative software solutions that have a positive impact on healthcare, and if you thrive in a collaborative and fast-paced environment, we would love to hear from you. Join our team at VERDI Solutions and help shape the future of personalized health care.

To apply, please visit our website at www.verdisolution.com and submit your resume, cover letter, and any relevant portfolio or project work.