



## Eleonora Vianello

Freelance Consultant P.IVA (VAT number) 01401750326

e-mail: [eleonorav86@gmail.com](mailto:eleonorav86@gmail.com)

<https://www.linkedin.com/in/eleonoravianello/>

My name is Eleonora and I started my career as a biomedical researcher over a decade ago. My journey began with a fervent passion for science, which led me to specialize in data analysis. My ambition is to make impactful contributions in biomedical research to improve global healthcare, particularly in the realm of vaccinations and therapies for infectious diseases.

I am eager to apply my expertise as a data analyst within diverse international teams spanning academia, non-profit organizations, and/or companies. Currently based in Italy, I am available to oversee projects on a global scale.

With a goal-oriented mindset and enthusiasm for overcoming challenges, I consistently embrace opportunities for continuous learning to effectively meet clients' needs and objectives.

## My competencies

I am currently employed as a freelance consultant, experienced in data analysis, biostatistics, and bioinformatics. In this role, I oversee multiple projects and offer consultation and guidance focused on data analysis. My expertise lies in providing comprehensive support in these areas to clients within biomedical research.

I am skilled in performing differential gene and protein expression analyses as well as correlating these data to treatment or vaccine-induced antibodies. I have extensive experience in identifying biomarker signatures, predicting outcomes, and conducting pathway analyses to uncover critical biological pathways. My services include automated data analysis, insightful visualizations, and clear communication of findings.

## Experience and projects

I am interested in identifying potential biomarkers of the immune response following vaccination or targeted therapies for infectious diseases by correlating biological and clinical data and applying cutting-edge biostatistical and systems biology-oriented analytic tools.

As a researcher and group leader at the Leiden University Medical Center, I:

1. Managed multiple projects within our institution, which resulted in 9 publications in high impact factor peer-reviewed journals. Effectively communicated the project's goals, progresses, and achievements by preparing scientific manuscripts, reports, and presentations at meetings.
2. Designed and implemented automated R pipelines to study biomarkers, using various statistical methods, predictive modelling, and complex clinical and biomolecular data integration. Used those pipelines for numerous data analyses, integration, and interpretation across 16+ dataset cohorts, considerably cutting down analysis time.
3. Supervised and coached team members and collaborators on data organization, analysis, and processing automation.

Notable projects and collaborations:

1. VSV-EBOPLUS: deciphering the immune and molecular signatures of adult and children responses elicited by the rVSVΔG-ZEBOV-GP (Ervebo®) vaccine by using systems vaccinology approaches.
2. SMA-TB: establishing a novel stratified medicine algorithm to predict treatment response to host-directed therapy in patients with tuberculosis.
3. TANDEM: unravelling the link between tuberculosis and diabetes to design more effective strategies for the control of tuberculosis.
4. Epigenetics in *Mycobacterium tuberculosis* infection: exploring new mechanisms that regulate gene expression during *Mtb* infection.
5. Several small side projects focusing on immune response profiling in infectious diseases such as malaria and influenza.