



**Position: Research Scientist (Immunology/infectious diseases/molecular biology)** at Toscana Life Sciences Foundation, Siena (Italy)

**Duration:** 2 years

The Monoclonal Antibody Discovery (MAD) Laboratory at Toscana Life Sciences Foundation, coordinated by the world-renowned scientist Prof. Rino Rappuoli, has the purpose to tackle several global health threats in the field of infectious diseases through the discovery and development of novel human monoclonal antibodies and vaccines. Our projects, spanning from viral to bacterial pathogens, have the bold ambition to develop medical tools that can contribute to save countless lives all over the world.

In line with the main focus of the MAD Lab, we are looking for an innovative and passionate Research Scientist which can contribute to our goals.

### **The role:**

As Research Scientist, you will work in a multi-disciplinary and highly skilled team of immunologists, microbiologists, molecular biologists, chemists and data scientists to identify human monoclonal antibodies which will be used to develop new therapeutic interventions and as tool to identify molecular targets for the development of novel vaccines against viruses and antimicrobial resistant bacteria.

In this role, you will be involved in a multi-stepped process that starts with the isolation of single memory B cell from vaccinated or infected individuals and ends with the identification and characterization of potently and broadly reactive human monoclonal antibodies to be selected for development and clinical testing. You will have access to high-throughput screening equipment as well as biosafety level 2 (BSL2) and 3 (BSL3) laboratories for *in vitro* testing of antibodies against viral pathogens (coronavirus, poxvirus etc.).

### **Preferred Skills:**

- Experience in immunology, microbiology, molecular biology, cellular biology and infectious diseases.
- Experience in single cell sorting, B cell immunology, antibody expression, screening and characterization is preferred.
- Experience in working in BSL2 and BSL3 laboratories with live viruses is preferred. Candidate with no experience should be willing to be trained and work in this environment.
- The candidate must have the ability to understand, interpret and communicate complex scientific data.
- The candidate must be fluent in English, oral and written.
- Highly motivated and self-starter with the ability to work as individual and as member of a team.

### **Preferred Qualifications:**

- PhD degree in immunology, microbiology, molecular biology, cellular biology and infectious diseases or 3+ years of experience in one or more of these fields.
- Good scientific evidence with peer-reviewed publications.

To apply or inquire for further information, please send a motivation letter, your CV and email address of two referees to [careers@toscanalifesciences.org](mailto:careers@toscanalifesciences.org)