



Position: Senior Scientist / Lab Coordinator

at the Data Science for Health (DaSch) Laboratory, Toscana Life Sciences Foundation, Siena (Italy).

Start / Duration: May 2021 onwards / 2 years – Permanent (negotiable).

[Toscana Life Sciences \(TLS\) Foundation](#) is a non-profit research bio-incubator accounting for ~400 associates amongst the twenty biotechnology companies incubated and the ten research groups and projects, including two ERC-funded labs, and has a cutting-edge asset of research instrumentation to conduct front-line biomedical research.

To create the biomedicine of the future, TLS is establishing a **Data Science for Health (DaSch) Laboratory** under the strategic direction of [Dr. Duccio Medini](#), partnering up with the broad, existing ecosystem, including the [MadLab](#) laboratory led by [Dr. Rino Rappuoli](#) and the [CERM](#) Foundation led by [Prof. Fabio Pammolli](#).

The **DaSch Lab** will use Computational Immunology, Population Genomics, in-silico Structural Biology, Artificial Intelligence and Bioinformatics to transform biomedical research from early discovery of vaccines and monoclonal antibodies to health technology assessment at the societal level.

Already fully funded for 3 years, the DaSch Lab catalyses further ambitious investments in public-private partnerships, including the “Next Generation EU” framework (Italian PNRR), with the vision of creating the European hub of Biomedicine and AI.

We invite applications from highly motivated Data Scientists for a Senior Scientist / Lab Coordinator position that will coordinate the DaSch Lab build-up, recruitment of research associates and day-by-day activities, and will contribute developing the long-term funding strategy of the Lab.

WHAT WE OFFER

- Unfettered flow of biological data from state-of-the-art biomedical facilities, clinical data from industrial-scale development projects and real-world data from a consolidated network of national and international collaborations.
- A dynamic ecosystem of young investigators with different expertise, from immunology and microbiology to cancer immunotherapy, bioinformatics and topological data analysis, and active projects at the forefront of the [fight against COVID-19](#) and anti-microbial resistance.
- Extensive collaborations with [Glaxo Smith Kline \(GSK\) Vaccines](#) and other pharmaceutical companies, based on the same [campus](#) as TLS, and with various industrial and academic research institutions around the world.

WHAT YOU WILL LEARN/DO

- Use Data Science to solve biomedical problems that matter for human health worldwide,
- Establish collaborations within and outside the biomedical ecosystem, designing and executing data science projects integrating heterogeneous data from multiple sources,
- Recruit and coordinate data science research associates and data engineers,
- Attract research funding through grants and platform technologies,
- Think and work independently as a scientist: formulate hypotheses, design and conduct experiments, analyze results and disseminate conclusions,
- Contribute to developing TLS's computational and data management strategy/infrastructure.

WHO WE ARE LOOKING FOR

A highly motivated Data Scientist with

- PhD degree in Data Science or similar, preferably with five or more years of post-doctoral experience,
- Strong data analytics skills and a keen interest in biomedicine and infectious diseases,
- Strong “drive” to catalyze positive collaborations, supervision and strategic planning skills,
- Strong publication record in three or more of the following areas:
 - Computational Immunology / Vaccinology,
 - Computational Epidemiology,
 - Population Genomics,
 - In-silico Structural Biology,
 - Health Technology Assessment,
 - Artificial Intelligence / Advanced Data Analytics,
 - Bioinformatics.
- A plus: track record in attracting research funding.

To apply or inquire for further information, please send a motivation letter, your CV and email address of two referees to HR@toscanalifesciences.org.

Information about Siena

TLS is located inside the scientific campus of GlaxoSmithKline, in proximity of the city centre of Siena, one of Italy's most beautiful medieval towns in the heart of Tuscany. It is filled with fine examples of Gothic architecture and has one of the world's most unique piazzas - Piazza del Campo, a vibrant and lively atmosphere due to numerous cultural events and the presence of a large University campus. The city and surrounding area (Chianti, Florence etc.) have plenty of interesting places to visit within the reach of public transport and are close to international airports (Pisa, Florence, Bologna, Rome).