

Post-doctoral position - Tumour Immunology Unit, Toscana Life Sciences Foundation, Siena

Start/duration: mid-2021 / inquire for more details

Toscana Life Sciences (TLS) Foundation is a non-profit research institute that hosts various research groups, including two ERC-funded labs, and has a state-of-the-art asset of instrumentation to conduct a front-line biomedical research. **Tumour Immunology Unit** has been established at TLS in July 2019 owing to the support of the Italian Association for Cancer Research. We invite applications from highly motivated researchers willing to study molecular pathogenesis of B cell tumours. Our research is focused on the B-cell chronic lymphocytic leukemia (CLL), lymphocyte signaling, imaging, genome editing by CRISPR/Cas9 and -OMICS. Key publications for reference: Zurli et al. *Science Signaling* 2020; Zurli et al. *Blood* 2017, Kabanova et al. *Cell Reports* 2016. More info: <https://www.toscanalifesciences.org/en/projects/tumourimmunology/>

WHAT DO WE OFFER

- State-of-the-art biomedical laboratory and the project funded by the Italian Association for Cancer Research
- A team of young investigators addressing tumour immunology questions with basic and translational approaches, involving work on primary clinical samples
- Our laboratory extensively collaborates with the University Hospitals of Siena and Padua, and with research laboratories in Italy (Trieste, Milan) and around the world

WHAT WILL YOU LEARN/DO

- Study functioning of inhibitory immune molecules and tumour suppressors in primary tumour cells *in vitro* and *in vivo*
- State-of-the-art methods of molecular and cellular biology, immunology on human samples (and eventually in mice), OMICS, bioinformatics, imaging
- How to think and work independently as a scientist, design experiments and formulate hypotheses
- Writing, presentation and supervision skills
- A postdoc will be also encouraged to visit collaborating labs

WHO ARE WE LOOKING FOR

- PhD degree in biology, biotechnology and relevant fields
- Candidates should have a deep interest in cellular biology and cancer biology
- Candidates should have a PhD, at least one first-author publication and an experience in one or more of the following fields: cell biology, immunology, imaging, working with primary human cells and/or mice
- Preference will be given to candidates that would be interested in applying for external funding schemes (e.g. AIRC postdoctoral fellowship)

To inquire for further information, please send your CV and email address of referees to a.kabanova@toscanalifesciences.org