

Call for expressions of interest: Institute of Life Sciences

The **Institute of Life Sciences (ILS)** of the Sant'Anna School of Advanced Studies, in view of the possible opening of **one tenure track position at the level of Assistant Professor** [‘Ricercatore di tipo B’ (RTDB) in the Italian system], seeks expressions of interest from researchers working on **water resource managements with links to agriculture, climate change and food security**.

The ideal candidate should have a solid background in **hydrological research in the context of management of water resources, in particular for agricultural applications; and in one or more of the following topics: physical aspects of the land surface, including modelling of land-surface processes; sustainable agriculture, climate change mitigation and adaptation; water-soil-food-nexus challenge**.

S/he should develop research activities in one, or more, of the following areas: **agricultural water management, agrometeorology and climatology, land-surface and surface/ground water modelling, and water sciences and technologies**. The overall objective of his/her research will be to identify and develop **innovative solutions for water supply, and improvement of water quality in agriculture**. The ideal candidate will also **develop and apply new interdisciplinary tools to understand and manage the complex interactions of the water-soil-plant-food nexus challenges, aiming for a reduction of surface-/ground-water pollution and carbon footprint, thus helping to mitigate and adapt to climate change**.

We encourage application from candidates with:

- a PhD degree;
- an excellent scientific publication track record;
- experience in acquiring and managing research funds from international/EU/national funding agencies;
- experience in teaching academic courses, and in tutoring MSc and PhD students;
- a multidisciplinary research track record;
- proven record of inter-personal skills and capability to build connections with relevant academic partners and stakeholders;
- excellent communication and social skills.

Applicants' track record should indicate the potential to achieve an excellent international reputation in this research area, as reflected by the quality of publications, the impact in the scientific community and the capacity to obtain external research funding from international/EU/national funding agencies and industry. S/he should also be committed to provide excellent teaching at all levels and to communicate the relevance and impact of her/his research to stakeholders.

S/he will join the internationally recognized faculty of Sant'Anna School, and will help the School to build an inter-disciplinary centre of excellence focussed on climate change and its impacts.

In 2020, according to the QS University rankings, Sant'Anna School ranked 2nd in Italy; furthermore, according to the Times Higher Education World University Rankings, the School ranked 1st in Italy, 149th worldwide among all universities, and 7th among the small-size universities.

Pisa offers an outstanding research environment, with two schools for advanced studies (Scuola Sant'Anna and Scuola Normale), a large public university and many other public and private scientific hubs. Pisa has also a very rich cultural scene and offers an excellent quality of life, in the heart of the historic heritage and natural beauty of Tuscany. It has an international airport, and high-speed rail connections to Roma, Milano and other Italian cities. It is located about 1-hour drive from many historical Italian cities, including Firenze, Lucca, Siena, San Gimignano, Volterra.

Interested individuals should send their expressions of interest to ilscall2020@santannapisa.it, including a cover letter motivating their interest in the call (1 page maximum), a CV (2 pages maximum) and a complete list of publications, research and teaching activities and past and ongoing research projects.

All correspondence and expressions of interest will be kept strictly confidential, and inquiries must be received **within 16 July, 2020**. Knowledge of the Italian language is not required, but the ability to teach and communicate in English is mandatory. The School guarantees equal gender opportunities in recruitment and career and welcomes applications from women.

Disclaimer: this is not yet a job vacancy advertisement. Based on the expressions of interest, the Sant'Anna School for Advanced Studies will determine whether or not to offer positions, their number and the type of selection procedure.