PhD funding opportunities in Trieste

while working in a multidisciplinary research center of excellence

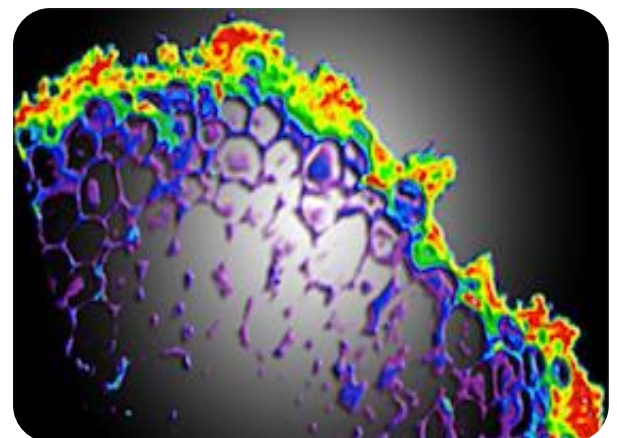**Computational Imaging, Data Science** and **Machine Learning** for scientific applications, data analysis and computational workflows; with required skills including foundations in image/signal processing, software development (Python, Matlab, C), and interest to apply those in specific scientific techniques of Elettra beamlines and laboratories. Those techniques include **Coherent Diffraction Imaging**, **Ptychography**, **Computed Tomography, X-ray Fluorescence, and Crystallography.**

According to the candidates' research field and scientific orientation, there is the possibility of engagement in multiple topics at the same time.

Elettra Sincrotrone Trieste (www.elettra.eu) may fund the PhD of young researchers while providing them with the opportunity to work in challenging research topics in world-class laboratories.

This opportunity is for graduates who are planning to pursue a PhD program or are already in the early stages of attending one. The PhD should be with any faculty of the University and supervised by members of it but the candidate is expected to work and be present on-site in Elettra Sincrotrone Trieste in a regular basis.

The selected candidates will become members of the **Scientific Computing** team and will collaborate with its researchers. The available opportunities are for the following topics:

This working experience in a research facility should enrich the thesis of the candidates but will not interfere with their supervision. The initiative is expecting dissemination of the obtained results in the form of publications. This is a standard practice of the Scientific Computing team and the Elettra beamlines (http://www.elettra.trieste.it/it/lightsources/labs-and-services/scientific-computing/publications/all.html).

This opportunity is offered by the *Advanced Integrated Imaging Initiative* (AI^3); project #P2017004 of Elettra Sincrotrone Trieste in agreement with University of Trieste.

For further information and clarifications please contact us at roberto.pugliese@elettra.eu