PhD Position in Cardiac Imaging and Machine Learning for Electrostructural Tomography

Inria is the French Institute for Research In Computer Science and Applied Mathematics. It has a workforce of 4000 people in eight research centres in France. This position is in the Asclepios research team of the INRIA Sophia Antipolis - Méditerranée Research Centre, located on the French Riviera. This centre counts 500 people and about 30 research teams.

The Asclepios team addresses a wide range of research topics in Medical Image Analysis and Simulation. The team counts about 30 people, including five permanent researchers.

**Topic**

The available position is funded within the ERC Project ECSTATIC from the IHU Liryc, a world-leading centre in interventional cardiology. It aims at designing a new medical imaging modality: electrostructural tomography. The PhD project is to develop machine learning strategies in order to enable such imaging based on measured and simulated data.

**Advantages**

- Work in a leading research team
- Concrete and innovative project, in direct collaboration with clinicians
- French Riviera: 1h to the mountains, 20mn to the sea, 200+ sunny days per year
- Around 8 weeks of paid leave per year

**Ideally you are**

- Trained in Applied Mathematics, Statistics or Computer Science (MSc)
- Attracted by research and autonomous
- Confident with machine learning software and (cardiac) medical imaging

**Practical Information**

3-year PhD contract with a gross remuneration of about 2100 Euros/month (net is about 1700 Euros).

**Contact Information**

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