ARAMIS Lab (Paris, France) recruits
Researchers and Scientists in Statistical Learning and Medical Imaging

Keywords: statistical learning, neuroimaging, models of disease progression, classification, prediction, personalization, brain diseases

In the framework of the ERC project LEASP and the European Horizon 2020 project EuroPOND, the ARAMIS lab recruits **high-profile researchers, data scientists and engineers** with a solid background in statistical learning, data science and/or medical imaging.

The topic: The ARAMIS lab develops **computer-aided tools for the diagnosis, prognosis and monitoring of neurological diseases**. In absence of known reliable biomarkers of most brain diseases, the team seeks to learn typical scenarios of disease progression by the statistical exploitation of large multimodal collection of neuroimaging and clinical data. The personalization of these scenarios to the new data will allow a better selection of patients in clinical trials, offer new way to assess treatment efficacy, and provide clinicians with new tools for the early diagnosis and the monitoring of their patients.

The team: The **ARAMIS lab** is ideally located at the **Brain and Spine Institute** (ICM), one of the major research institute for neurosciences in Europe, which located at the heart of the Pité-Salpêtrière hospital, downtown Paris. The lab gathers researchers with background in applied mathematics and computer science, research engineers and clinical experts in the field of neurodegenerative diseases. The lab is also part of **INRIA**, the French national research institution for computer science.

Your profile: You are interested in working on **major public health issues**, and to work on projects that may change the way we treat patients with brain diseases. You are passionate about learning. You are motivated by working at the interface between **mathematics**, **computer science**, and by the **transfer** of the output of front-end research to the clinics and the industry. You are problem solver and result-oriented. You have good relational and communication skills with scientists from various disciplines. You have a master and/or a PhD in statistical learning, image computing, data science, optimization methods or related fields.

Starting date: from January 2016
Contract duration: from 2 to 5 years
Salary: depending on experience

For more information and to apply, contact Stanley.Durrleman@inria.fr
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