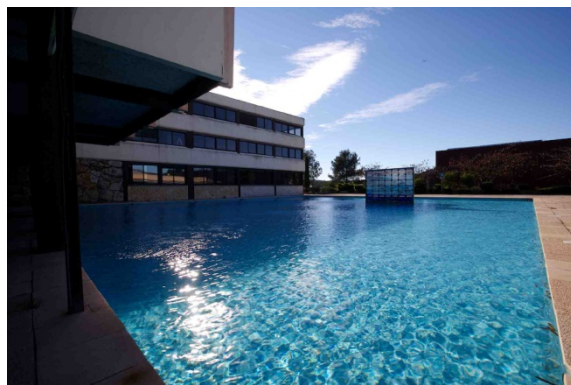




Opening at Inria - R&D Software Engineer Medical Image Processing

Presentation of Inria

[Inria](#) is the French national institute for research in computer science and mathematics. It has a workforce of 4000 people working throughout its eight research centres established in seven regions of France. The Sophia Antipolis – Méditerranée Research Centre counts 500 people working in 30 research teams. It is located in the French Riviera:



The [Asclepios](#) research team encompasses a wide range of research topics on computer assisted medicine, including medical and biological image processing, computational models of organs and systems. The team is about 30 people, including six permanent researchers.

Work at Asclepios is team oriented. Collaborations between engineers and students are highly encouraged. In this context, we are looking for people that love technical and scientific challenges.

Asclepios team is also very active on software development for the medical community. We have been developing the [MedInria](#) free software for years, proposing some of our latest scientific development.

Knowledge, Skills & Experience

We are looking for talented people motivated by technical and scientific challenges.

The successful candidate will hold a degree in Computer Science, Electrical Engineering, Applied Mathematics or similar discipline, and have experience in C++ software development.

Priority is given to candidates with strong programming skills, experience in user interface design with QT and image processing. Knowledge of ITK, VTK and Cmake are considered to be assets.

Proficiency in either English or French and ability to read and write English are required.



Job Purpose

The MedInria software now undergoes major changes, including a dynamic plugin mechanism and a completely new QT-based user interface. Algorithms are now accessed in workspaces that are usage-defined.

The selected candidate will be responsible for the fusion workspace of MedInria. This means proposing and implementing the new fusion workspace taking into account the constraints from the clinician, adapting and including registration algorithms, and finally proposing adapted visualization methods for the fused data.

This work will be based on the existing registration algorithms developed in the team, most of which relies on ITK. The visualization part will be based on VTK.

This work will be part of a collaboration with Prof. Darcourt of the cancer research institute of Nice: [Centre Antoine Lacassagne](#). This position includes regular visits to this clinical center and interactions with the clinicians.

Salary

Upon experience, from 28K€ to 38K€ gross

Contact

Please send a detailed CV (including references) and a cover letter by email to: olivier.clatz@inria.fr

PLEASE include “[Position-CAL]” in the title