2017-00134 - Analysis of microscopic and macroscopic images of tissues

Renewable contract : Oui
Level of qualifications required : PhD or equivalent
Fonction : Temporary scientific engineer
Level of experience : From 5 to 12 years

About Inria
Inria, the French National Institute for computer science and applied mathematics, promotes “scientific excellence for technology transfer and society”. Graduates from the world's top universities, Inria's 2,700 employees rise to the challenges of digital sciences. With its open, agile model, Inria is able to explore original approaches with its partners in industry and academia and provide an efficient response to the multidisciplinary and application challenges of the digital transformation. Inria is the source of many innovations that add value and create jobs.

About the research centre or Inria department
Inria, the French National Institute for computer science and applied mathematics, promotes “scientific excellence for technology transfer and society”. Graduates from the world's top universities, Inria's 2,700 employees rise to the challenges of digital sciences. With its open, agile model, Inria is able to explore original approaches with its partners in industry and academia and provide an efficient response to the multidisciplinary and application challenges of the digital transformation. Inria is the source of many innovations that add value and create jobs.

Assignment
Assignments :
With the help of Dirk Drasdo and Irene Vignon-Clementel, the recruited person will be taken to analyse tissue images from microscopic and macroscopic imaging modalities.

Main activities
Main activities :
- Image processing of microscopic and macroscopic images
- Image analysis
- Coding / programming, software generation.
- Communication with researchers in hospitals and biology institutions
- Reports/paper writing.

Skills
Technical skills and level required :
- Thesis in computer science, mathematics or engineering.
- Excellent knowledge in image processing and analysis
- Excellent knowledge in programming C/C++, use of tools for image analysis
- Independence, pro-active
- At ease in scientific environments
- Good in/open at communication with people from biological / medical disciplines.

Languages : English
Other valued appreciated : Knowledge in French and German.

Benefits package
• Subsidised catering service
• Partially-reimbursed public transport

Remuneration
Salary based on experience, full benefits