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

Renewable contract : Oui
Level of qualifications required : PhD or equivalent
Function : 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

General Information

- Theme / Domain : Modeling and Control for Life Sciences
  Scientific computing (BAP E)
- Town / city : Paris
- Inria Center : CRI de Paris
- Starting date : 1/1/18
- Duration of contract : 8 months
- Deadline to apply : 3/31/18

Contacts

- Inria Team : MAMBA
- Recruiter : Drasdo Dirk / dirk.drasdo@inria.fr

Conditions for application

Defence Security : This position is likely to be situated in a restricted area (ZRR), as defined in Decree No. 2011-1425 relating to the protection of national scientific and technical potential (PPST). Authorisation to enter an area is granted by the director of the unit, following a favourable Ministerial decision, as defined in the decree of 3 July 2012 relating to the PPST. An unfavourable Ministerial decision in respect of a position situated in a ZRR would result in the cancellation of the appointment.

Recruitment Policy : As part of its diversity policy, all Inria positions are accessible to people with disabilities.

Warning : you must enter your e-mail address in order to save your application to Inria. Applications must be submitted online on the Inria website. Processing of applications sent from other channels is not guaranteed.
Subsidised catering service
Partially-reimbursed public transport

Remuneration
Salary based on experience, full benefits