



Institute of Immunology
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- WHO European Reference Laboratory for Measles and Rubella
- WHO Collaborating Centre for Reference and Research on Measles Infections
- National Reference Laboratory for Measles and Rubella

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Job offer: Bioinformatician

Contract type: 2 years Full-Time fixed-term contract (extension possible), Bachelor career

Reference: CM/BBI/CM/LNSI

Brief Posting Description

- Work in a team of bioinformaticians with different complementary skills on ongoing biological projects utilizing Next Generation Sequencing (NGS)
- Develop new bioinformatics tools for treating NGS data as required by the different ongoing projects
- Develop bioinformatics projects in line with the diverse needs of the department

Detailed Description

- Collaborate with ongoing research projects with respect to the bioinformatics components
- Analyze NGS data in close collaboration with researchers
- Collaborate and contribute complementary expertise within the bioinformatics team
- Collaborate with bioinformaticians and biologists from other teams and institutions
- Train and supervise master and PhD students
- Work in coordination with other scientists and PhD students on their projects
- Contribute to defining research priorities with respect to bioinformatics aspects together with the HOD
- Present the work as well as results during laboratory meetings and at international meetings
- Communicate problems and suggestions for solutions in a clear way
- Participate in the societal dimension: dissemination of simplified research results to the general public (through articles, conferences, etc)
- Collaborations: establishment of a link between the laboratory and other partners, validation of the results, participation in the establishment of techniques that can

eventually be transferred to other laboratories and cooperation with the institutions organizing the quality control

- Write high standard reports and contribute to research papers

Obligations & Specificity:

- Strictly follow the organizational procedures set up by CRP-Santé and the Department of Immunology
- Adapt working hours to project requirements
- Respect professional secrecy and confidentiality of all information brought to his/her attention during the performance of his/her duties
- Respect intellectual property rights
- Respect the ethical standards and the code of good conduct

Main professional relations:

- Functional reporting line: HOD of Immunology, CRP-Santé
- Internal: project leaders, PhD students, technical staff and visitors of the laboratory; closely collaborate with the bioinformatics team of the Department of Immunology
- External: communicating with external professional contacts as defined by the research projects

Diploma, Scientific competence, Work experience:

- Diploma: Bachelor in bioinformatics
- Experienced in managing and working with Next Generation Sequencing data; experience in the analysis of the B and T cell repertoire is an advantage
- Extensive knowledge and experience in the use of other bioinformatics tools and biological databases is an advantage
- Strong computational skills and experienced in programming and scripting languages including Java, Python, Perl, bash scripting, R
- Excellent time management, rigor, motivation, scientific creativity and originality, writing skills, conciseness, sense of priority and sense of human relations, punctual and reliable
- Excellent proficiency in English and scientific writing skills are a must

Candidates must apply with a complete detailed English CV, a motivation letter with detailed description of their professional experience, a copy of the relevant diplomas showing marks etc. to claude.muller@crp-sante.lu