Heidelberg University Hospital as coordinator of the EU-funded action Establishment and Exploitation of a European-Latin American Research Consortium towards Eradication of Preventable Gallbladder Cancer (EULAT Eradicate GBC) invites applications for a

Medical Information Scientist / Software Developer

Desired qualifications: We are looking for a highly motivated, well-qualified person holding a MSc, Engineering or BSc degree in medical informatics, computer science, data science, (bio)informatics or mathematics, ideally with practical experience in object-oriented software development, relational databases, Java, web frameworks and interfaces, standardized exchange formats, SAS and/or R. The candidate should have excellent analytical and communication skills, be fluent in Spanish and interested in interdisciplinary work.

Description of duties: We plan to establish a unique European-Latin American IT platform to integrate patient and sample data within the EU-funded project EULAT Eradicate GBC. The platform will be implemented using the Open Source Registry System for Rare Diseases (OSSE, www.osse-register.de/en), which allows interoperability between registers, the federation of data at national and international levels, and distributed searches to fulfil data protection requirements and preserve data sovereignty. The developed IT Platform shall provide (1) real-time project monitoring information and (2) access to comprehensive, anonymized sample, clinical and multi-omics data.

As Information Scientist, you are expected to develop and manage this IT platform. The EULAT Eradicate GBC project is led by Prof. Justo Lorenzo Bermejo at Heidelberg University Hospital in collaboration with research partners from Argentina, Bolivia, Chile, France, Germany, Norway, Peru, Sweden, United Kingdom and US. Brief descriptions of the project and the Statistical Genetics Research Group at the Heidelberg Institute of Medical Biometry and Informatics are available at https://cordis.europa.eu/project/id/825741 and www.biometrie.uni-heidelberg.de/StatisticalGenetics.

The successful candidate will work at the interface of medical information science and molecular medicine in one of the best European universities. She/he will gain substantial experience in the development of transdisciplinary databases considering international data protection requirements, preservation of data sovereignty and efficient management of large datasets.

We offer

- The possibility to develop an international database that integrates socio-demographic, clinical, nutritional and multi-omics data
- The chance to work in a highly interdisciplinary team at the forefront of personalized prevention and medical informatics
- Comprehensive professional training activities, including the possibility to obtain a PhD in a highly interesting area of research

Applications including a cover letter, CV and two reference letters should be sent as one single PDF by August 15th, 2020 to Prof. Dr. Justo Lorenzo Bermejo via EULAT_Eradicate_GBC@imbi.uni-heidelberg.de. Selected candidates will be invited to a personal interview.