

## Biobanking Data Scientist

**Reporting to:** Head of Data Services and Biobanking

**Position: 100% for maternity leave replacement:** 1 April 2019 to 31 October 2019

**Location:** Geneva, Switzerland, FIND headquarters office

### Organization

FIND's vision is a world where diagnosis guides the way to health for all people. The FIND team is devoted to catalysing the development of novel diagnostic tests that meet global health needs and evidence collection (through clinical studies) to inform national and global policy development. The diseases we have been working on include TB, malaria, sleeping sickness, leishmaniasis and Chagas diseases. More recently we have expanded the scope to include hepatitis C and other neglected diseases such as Buruli ulcer, non-malarial febrile illnesses, outbreaks and AMR. FIND is also playing a key role in early implementation of innovative diagnostic solutions that have a high impact on patient care and disease control in low-resource settings.

### Job summary

Over the years, FIND has built several collections of biological, characterized specimens, the largest being for tuberculosis with over 300,000 samples from blood, urine and sputum. Smaller collections have been established for fever diagnosis, malaria and neglected tropical diseases and new collections for HCV and fever have been started. The organization is now seeking a Biobanking Data Scientist to support FIND's multiple collections according to established quality standards for a maternity leave replacement from 1 April 2019 until 31 October 2019.

### Duties & responsibilities

As Biobanking Data Scientist, your responsibilities will include the management of FIND's various specimen collections across disease programmes. You will be working closely with all disease programmes, and with the clinical team, under the supervision of the Head of Data Services and Biobanking. Your key activities will include:

- Managing and overseeing FIND's specimen collection databases, ensuring the platforms are correctly working and maintained, specimens can be entered easily and are correctly stored at the main storage partner's facilities
- Interacting with the main storage partners for troubleshooting, training activities, etc.
- Interacting with clinical sites: training to use the databases, to improve specimen collection processes, to follow up based on current needs
- Tracking anomalies and discrepancies in data collection and shipments (in collaboration with program managers from specific diseases)
- Being the key technical contact person for sample selection and characterization for material requests (in collaboration with program managers from specific diseases)
- Developing and maintaining algorithms for sample selection and characterization across multiple diseases
- In collaboration with the data management team, developing processes and tools to allow communication between clinical and specimen databases
- Providing timely and updated reports on the state of specimen bank for internal and external use

- Defining processes to improve specimen collection activities, such as tracking of samples from the moment of collection until storage, definition and tracking of interactions between key partners (internal and external) etc.
- Monitoring sites and collection partners, either remotely or by on-site visits
- Collaborating with other FIND team members in order to ensure the sample bank and its related processes meet ISO/GCP requirements and continuously improve the biorepository to ensure the highest quality of samples (example activities: optimizing SOPs; performing study site certifications; Specimen Bank monitoring inspections)
- Acting as backup data manager for clinical activities (such as definition of CRFs, study setup, data monitoring)

## Knowledge & skill requirements

- Experience in data management, statistical analysis and programming
- Strong background in biostatistics, research methodology, clinical trials, with a track record of published studies
- Experience in the management of large databases (with specific experience on clinical trials and specimen banking)
- Hands on experience with OpenSpecimen and OpenClinica, or similar platforms
- Excellent programming skills in R (experience with R Markdown and Shiny highly desirable), proficiency in data visualization tools (Spotfire, Tableau) and Python desirable
- An understanding of global health relevant infectious disease and related public health issues highly beneficial
- Experience in working in regulated environments, including GCP and GLP standards, and specific requirements of biobanking would be desirable
- Experience as clinical site monitor and knowledge of clinical trials would be of benefit.
- Strong attention to detail with ability to work without close supervision
- Project management skills; work in an organized manner and under pressure to meet tight timelines with a result-oriented focus
- Willingness to expand knowledge-base and take on new topics
- Excellent interpersonal, written and verbal communication and superior problem-solving skills
- Team player comfortable working in a multicultural environment
- Fluent in English (verbal and written). Working knowledge of French and Spanish would be an asset.

## To apply

Please mail your motivation letter and CV to [hr@finddx.org](mailto:hr@finddx.org) by 20 January 2019

*(But don't wait until the deadline! We will start screening right away and if we find the right person, we will stop searching.)*

Please note that only applicants meeting the profile requirements will be personally contacted. Applications sent by recruitment agencies will not be considered.