

Data Wrangler (Scientific Database Curator)

Location: EMBL-EBI, Hinxton near Cambridge, UK

Staff Category: Staff Member

Contract Duration: 3 years

Grading: 5 or 6 (monthly salary starting at £2,882.54 or £3,224.78 after tax) + benefits

Closing Date: 04 December 2022

Reference Number: EBI02016

Metabolomics is the study of small molecule metabolites in the metabolome, which is the complete set of metabolites in a biological sample. By studying these metabolites, we can observe changes in cellular networks and biochemical pathways. This allows us to detect disease states and their progression, monitor responses to therapy, stratify patients based on biochemical profiles, and highlight targets for drug design. Our team provides the biomedical community with information on metabolism: small molecules and their interplay with biological systems.

We are responsible for [MetaboLights](#), a global public resource for data from metabolomics experiments and derived information. The database is cross-species, cross-technique and covers metabolite structures and their reference spectra as well as their biological roles, locations and concentrations, and experimental data from metabolic experiments. We are also developing a centralised metabolite library and the Metabolomics Labs, a workspace for our community to use up to date and appropriate workflows for metabolomics analysis.

This is an exciting time for the metabolomics field and we as a team are committed to evolving our database and services to support community requirements. In fact MetaboLights is experiencing an exponential phase of growth and there is a need for specific curation resources to enable us to respond to our user demand.

Your role

As data wrangler, you will have the exciting opportunity to contribute your scientific expertise to the annotation and further development of the MetaboLights resource for metabolomics and multi-omics data submission helping us to respond to this exponential period of growth. You will report to the Head of Metabolomics and will be part of an international and multidisciplinary team. This will be a project-based fixed term contract for three years.

You will:

- Manage data submissions and help desk requests from our community.
- Appraise datasets and provide specifications for the technical development of the resource in line with changes in the field
- Ensure data integrity with high quality curation of metabolomics and lipidomics studies, maintaining and developing common vocabulary / ontology across datasets.
- Work with other EMBL-EBI teams such as ChEBI, PRIDE, EGA, UniProt and the Enzyme Portal and external global partners to deliver the aims of collaborative projects including a comprehensive multi-omics service.
- Contribute to MetaboLights outreach and training, including online training content, webinars and training courses.

You have

- A Bachelor's degree in Chemistry and a PhD in Chemistry or Metabolomics;
- Hands on experience with analytical techniques including mass spectrometry and/or NMR and with metabolomics-related research data including study design and result interpretation;
- Previous experience in using scientific databases;
- Be IT literate with experience in Excel and command line operations;
- Experience working as part of a team;
- Good communication and interpersonal skills and fluent in both written and spoken English;
- A self-starter approach, ability to work to deadlines, and have a very detail oriented approach to work.

You might also have

- Experience with lipidomics research including study design and result interpretation;
- Knowledge of curation and understanding of the use of ontologies and data standards;
- Experience in using Python, R or another language to analyse and report on biological data.

Why join us

Do something meaningful

At [EMBL-EBI](#) you can apply your talent and passion to accelerate science and tackle some of humankind's greatest challenges. EMBL-EBI is a worldwide leader in the storage, analysis and dissemination of large biological datasets. We provide the global research community with access to publicly available databases and tools which are crucial for the advancement of healthcare, food security, and biodiversity.

Join a culture of innovation

We are located on the [Wellcome Genome Campus](#), alongside other prominent research and biotech organisations, and surrounded by beautiful Cambridgeshire countryside. This is a highly collaborative and inclusive community where our employees enjoy a relaxed atmosphere. We are committed to ensuring our employees feel valued, supported and empowered to reach their professional potential.

Enjoy lots of benefits:

- **Financial incentives:** Monthly family, child and non-resident allowances, annual salary review, pension scheme, death benefit, long-term care, accident-at-work and unemployment insurances
- **Flexible working arrangements**
- **Private medical insurance** for you and your immediate family (including all prescriptions and generous dental & optical cover)
- **Generous time off:** 30 days annual leave per year, in addition to eight bank holidays
- **Relocation package** including installation grant (as applicable)

- **Campus life:** Free shuttle bus to and from work, on-site library, subsidised on-site gym and cafeteria, casual dress code, extensive sports and social club activities (on campus and remotely)
- **Family benefits:** On-site nursery, child sick leave, generous parental leave, holiday clubs on campus and monthly family and child allowances
- **Benefits for non-UK residents:** Visa exemption, education grant for private schooling, financial support to travel back to your home country every second year and a monthly non-resident allowance.

For more details, please see our employee [benefits](#) page.

What else you need to know

- **Contract duration:** This position is limited to the project duration of 3 years.
- **International applicants:** We recruit internationally and successful candidates are offered visa exemptions. Read more on [our page for international applicants](#).
- **Diversity and inclusion:** At EMBL-EBI, we strongly believe that inclusive and diverse teams benefit from higher levels of innovation and creative thought. We encourage applications from women, LGBTQ+ and individuals from all nationalities.
- **Job location:** This role is based in Hinxton, UK and you will be required to relocate once it is safe to do so, if you are currently based abroad. Read more about [how we are recruiting during the pandemic](#).
- **Your application:** To apply please submit a cover letter and a CV through our online system. We aim to provide a response within two weeks after the closing date.
- **EMBL is a signatory of DORA.** Find out how we apply DORA principles to our recruitment and performance assessment processes [here](#).

Apply online [here](#) or via the QR code below:

