**Administrative Director**

**Location:** Heidelberg, Germany  
**Staff Category:** Staff Member  
**Contract Duration:** 5 years  
**Grading:** 13  
**Closing Date:** 8 February 2015  
**Reference Number:** HD_00609

**Job Description**

The European Molecular Biology Laboratory (EMBL) is a European intergovernmental organisation with twenty one member states and two associate member states. EMBL carries out world leading basic research in molecular biology. EMBL also provides scientific services to the life science community, engages in technology and instrumentation development, advanced training and technology transfer. EMBL is headquartered in Heidelberg (Germany), with additional sites in Grenoble (France), Hamburg (Germany), Hinxton (UK) and Monterotondo (Italy). Currently, EMBL employs appr. 1800 members of staff from over 80 nations and has annual expenditure of €200 Million.

EMBL seeks a replacement for the Administrative Director. The successful applicant will be directly responsible to the Director General for the non-scientific administration of all parts of EMBL. The appointee will be supported by the Heads of the units reporting to him/her such as Human Resources, Finance, Legal Services, Purchase, Facility Management, Health & Safety, Social Services, Library, and Laboratory Animal Resources. Furthermore he/she is supported by the Administrative Director’s Office and the Council Secretariat. There is a close working relationship with the internal and external auditors.

The ability to work effectively with research scientists and their staff and to understand and be responsive to their needs is essential. The Administrative Director represents the Laboratory in dealings with the Laboratory’s Staff Association. Outside the Laboratory the appointee will be responsible for maintaining close working relationships with national and local authorities in the host countries of the EMBL Units (Germany, France, United Kingdom and Italy). A critical working relationship is with the governing Council and in particular it’s Finance Committee, which decides the Laboratory’s general policies, budgets and terms and conditions of service. The Administrative Director will be expected to maintain and further develop close working contacts with the Council delegates and to take responsibility for developing and presenting policies and papers to the formal six-monthly meetings of Council and Finance Committee.

**Qualifications and Experience**

Applicants must have high-level managerial experience in a comparable organisation. Previous experience in financial planning, budgeting, the development of legal agreements, human resources management and high-level committee work are strengths that the selection committee will be looking for. Drafting and negotiating skills, clarity in oral and written presentations, the ability to undertake and deliver long-term strategic administrative planning, the ability to accept and discharge responsibility and a constructive and timely response to change are essential requirements. Flexibility of approach with fairness and consistency of delivery are key attributes. Applicants must be fluent in two of the three languages English, French and German and have a working knowledge of the third, taking into account that English is the common working language of the Laboratory. Although not required to be an expert, the Administrative Director should take a lively and informed interest in the research carried out in the laboratory.

**Remuneration and Contract**

EMBL is an inclusive, equal opportunity employer offering attractive conditions and benefits appropriate to an international research organisation. The remuneration package comprise a competitive salary, a comprehensive pension scheme, medical, educational and other social benefits, as well as financial support for relocation and installation, including your family, and the availability of a child care facility. The initial contract is for a period of five years with the possibility of a fixed-term extension to cover a total period of not more than nine years. Subject to certain conditions, holders of fixed-term contracts may be granted an open-ended contract.

**Application Instructions**

Please apply online through [www.embl.org/jobs](http://www.embl.org/jobs) sending a CV and a motivation letter.

**Additional Information**

Questions concerning the role should be sent to Iain.Mattaj[at]embl.org and any queries regarding the terms and conditions should be sent to Elke.Jagomast[at]embl.de.
Job Description

The European Molecular Biology Laboratory (EMBL) is one of the highest ranked scientific research organisations in the world. The Headquarters Laboratory is located in Heidelberg (Germany), with additional sites in Grenoble (France), Hamburg (Germany), Hinxton (UK) and Monterotondo (Italy).

State-of-the-art infrastructures for applications in life sciences on DESY campus, Hamburg, Germany, provide a world-class environment for the most challenging experiments in structural biology with the highest scientific significance. The EMBL Hamburg Unit has built an integrated facility in structural biology, which includes three brand-new synchrotron radiation beamlines at the PETRA III storage ring and a user facility for sample preparation, characterization and crystallization. EMBL is a partner of the new Centre for Structural Systems Biology (CSSB) in Hamburg focusing on research in structural biology, systems biology and infection biology.

The most powerful X-ray Free Electron Laser (European XFEL, www.xfel.eu) is presently under construction in Hamburg / Schenefeld and is expected to start operation in 2017. EMBL will provide its expertise as the coordinator of the XFEL-based Biology Infrastructure (XBI) user consortium to establish a state-of-the-art sample preparation facility for life science applications using the future XFEL. The goal of this facility is to serve both the members of the XBI user consortium and the international research community interested in X-ray FEL based life science applications. We are seeking an outstanding candidate for a group leader position to lead this future facility and to carry out excellent research in biological X-ray FEL applications.

The future group leader will have the following tasks:

- To lead the construction and subsequent operation of the future X-ray FEL-based infrastructures for preparation, characterization and delivery of biological samples, in consultation with the members of the XBI consortium and in close cooperation with other relevant European XFEL user consortia and the European XFEL GmbH in Hamburg. The group leader will represent EMBL in the XBI user consortium and other relevant committees.
- To carry out research in life science applications of X-ray FEL radiation, possibly combined with synchrotron radiation. This may include research & development of relevant methods, approaches and protocols; or focus on a biological theme of high scientific relevance, using X-ray scattering and diffraction experiments, including time-resolved studies, and ranging from crystalline samples to single particles. Collaborations with other group leaders from EMBL with complementary research interests are encouraged.

Qualifications and Experience

- Demonstrated expertise and track record of challenging structural biology and/or imaging projects, making use of synchrotron radiation and preferably X-ray free electron laser radiation;
- Proven expertise in biological sample production, biophysical and biochemical characterization, crystallization;
- At least three years of postgraduate (PhD or similar) expertise and excellent research track record (publications, fellowships, awards).
**Application Instructions**

Please apply online through [www.embl.org/jobs](http://www.embl.org/jobs).

In your application, please include a Cover Letter, CV and a concise description of research interests & future research plans.

Please also arrange for 3 letters of recommendation to be emailed to: references@embl.de at the latest by 28 February 2015.

**Additional Information**

For further information about the position please contact recruitment@embl.org.

Interviews are planned in March (end of the month) or April 2015.

EMBL is an inclusive, equal opportunity employer offering attractive conditions and benefits appropriate to an international research organisation with a very collaborative and family friendly atmosphere. The working language of the institute is English. Information on Group Leader appointments can be found under [http://www.embl.org/gl_faq](http://www.embl.org/gl_faq).

An initial contract of 5 years will be offered to the successful candidate. This is foreseen to be extended to a maximum of 9 years, subject to an external review.
Sequence Data Biocurator

Location: EMBL-EBI, Hinxton near Cambridge, UK
Staff Category: Staff Member
Contract Duration: 3 years
Grading: 5
Closing Date: 31/12/2023
Reference Number: EBI_00466

Job Description

The European Bioinformatics Institute (EMBL-EBI) seeks applications from enthusiastic and highly motivated individuals to join its staff in a cutting-edge Sequence Data Biocurator position.

The post holder will be part of the team that delivers the European Nucleotide Archive, EMBL-EBI’s globally comprehensive data resource covering sequence reads, assemblies, alignments and functional annotation that boasts more than three decades of expertise in data storage, analysis and representation.

Role responsibilities include:

- the biocuration of validation rules relating to functional annotation.
- maintenance of checklists for standards-compliant sample data reporting
- the delivery of expert helpdesk and training to our broad user base.

This work will contribute both to the European Nucleotide Archive (ENA) content and to our portfolio of data management and coordination projects that support the team’s external collaborations in such areas as pathogen surveillance and marine genomics. The position will also offer opportunities to present at national and international scientific meetings and workshops.

The EMBL-EBI, part of the European Molecular Biology Laboratory, is located on the Wellcome Trust Genome Campus near Cambridge, UK, and is one of the world’s leading bioinformatics and biocuration centres. We provide a dynamic, international working environment and staff enjoy many benefits including excellent sports facilities, a free shuttle bus to Cambridge and other nearby centres, an active sports and social club and an attractive working environment set in 55 acres of parkland.

Qualifications and Experience

Applicants should possess a university degree in the life sciences and either a post-graduate degree or a PhD in bioinformatics or a biological science.

Candidate requirements include:

- Broad knowledge of molecular biology
- Proficiency in working with desktop computers and familiarity with command line operations
- Deep and up-to-date knowledge of biological databases, sequence analysis and software, including assembly methods
- Attention to detail
- Strong English verbal and written communication skills
- Good presentation skills
- Full commitment to teamwork and ability to work independently as well as part of the team

Previous professional experience in the bioinformatics domain and familiarity with relational database...
management systems and SQL query language are also highly desirable.

**Application Instructions**

Please apply online through [www.embl.org/jobs](http://www.embl.org/jobs)

**Additional Information**

We welcome applications irrespective of gender and appointment will be based on merit alone.

EMBL is an inclusive, equal opportunity employer offering attractive conditions and benefits appropriate to an international research organisation.

Please note that appointments on fixed term contracts can be renewed, depending on circumstances at the time of the review.

We welcome applications from all nationalities. Visa information will be discussed in more depth with applicants selected for interview.

Please note applications will close at midnight German time on the date listed above.
Job Description

We are looking to recruit an expert structural biologist to join the Protein Data Bank in Europe Curation Team (PDBe: pdbe.org) at the European Bioinformatics Institute (EMBL-EBI) as a Scientific Database Curator. The work involves annotating preliminary PDB and Electron Microscopy Data Bank (EMDB) submissions and extracting relevant biological information. In addition, curators contribute to training, outreach and user-support activities of PDBe and the EMBL-EBI.

The Protein Data Bank in Europe (PDBe; pdbe.org) is a founding partner of the Worldwide Protein Data Bank organisation (wwPDB; wwpdb.org), which maintains the global archive of 3D structural data on biomacromolecules. PDBe is also the founder of the Electron Microscopy Data Bank (EMDB), which is now maintained with international partners. The PDBe team further maintains a number of databases that support deposition and advanced search and analysis services for structural biologists and the wider scientific community. The team consists of an international and inter-disciplinary mix of professionals (scientists and IT specialists).

EMBL-EBI is part of the European Molecular Biology Laboratory (EMBL) and is located on the Wellcome Trust Genome Campus near Cambridge in the UK. We are a world-leading bioinformatics centre providing biological data to the scientific community with expertise in data storage, analysis and representation. We provide a dynamic, international working environment and have close ties with both the University of Cambridge and the Wellcome Trust Sanger Institute. EMBL-EBI staff enjoy many benefits including excellent sports facilities, a free shuttle bus to Cambridge and other nearby centres, an active sports and social club and an attractive working environment set in 55 acres of parkland.

Qualifications and Experience

Applicants should be computer-literate and possess a PhD in an area of structural biology or structural chemistry as well as a broad knowledge in molecular biology or biochemistry. An in-depth knowledge of protein structure (including structure determination, analysis and validation) is essential. A few years of post-doctoral research experience in structural biology, as well as hands-on experience in the determination of protein structure are desirable. The work involves extensive interactions with colleagues in the PDBe team as well as with international collaborators, depositors and users. Therefore, excellent written and oral communication skills, fluency in English, ability to work in a team and attention to detail are required. The ideal candidate will be familiar with Linux/Unix operating systems and molecular graphics software (PyMol, Coot, Chimera). Basic programming skills (e.g., in Python or Java) would be an advantage.

Application Instructions

Please apply online through www.embl.org/jobs

Interviews will take place 2/3 March 2015.

Additional Information

EMBL is an inclusive, equal opportunity employer offering attractive conditions and benefits appropriate to an international research organisation.
Please note that appointments on fixed term contracts can be renewed, depending on circumstances at the time of the review.

Applications are welcomed from all Nationalities. Visa information will be discussed in detail with candidates selected for interview.

Please note applications will close midnight German time on the date listed above.
Software Developer/Bioinformatician

Location: EMBL-EBI - Hinxton near Cambridge, UK
Staff Category: Staff Member
Contract Duration: Contract to 30.06.2016
Grading: 5 or 6
Closing Date: 1 February 2015
Reference Number: EBI_00474

Job Description

We are looking to recruit a bioinformatician and a software engineer to join the Ensembl Genomes Team at the European Bioinformatics Institute (EMBL-EBI) located on the Wellcome Trust Genome Campus near Cambridge in the UK.

The successful applicants will work on a new project to develop software to meet the challenges of crop informatics. Large scale sequencing of crop genomes has the potential to transform plant breeding. The Ensembl Plants resource (http://www.plants.ensembl.org) currently provides access to data from many species, but the rate of data generation is rapidly increasing. To deal with this challenge, we aim to build new software components for data storage, analysis and visualisation. A key part of our vision is the implementation of new systems for capturing and sharing meta data about experimental materials, and utilising this to automatically analyse relevant data ready for display. The complete software package will be distributed as a virtual machine for use in cloud environments.

We are seeking to employ two individuals to work on this project: an experienced software developer and a bioinformatician. The two staff members will work alongside other members of the Ensembl Genomes team and in collaboration with staff working on primary data archives and with our collaborators at The Genome Analysis Centre, Norwich.

The main tasks for the post holders will be:

- Implementing pipelines for data identification, automated analysis and data, and
designing, implementing and populating a virtual environment for cloud computational genomics.

Both team members will report to the Ensembl Plants Project Leader.

The EBI, part of the European Molecular Biology Laboratory (EMB), is a world-leading bioinformatics centre providing biological data to the scientific community with expertise in data storage, analysis and representation. EMBL-EBI provides freely available data from life science experiments, performs basic research in computational biology and offers an extensive user training programme, supporting researchers in academia and industry.

At EMBL-EBI we provide a dynamic, international working environment and have close ties with both the University of Cambridge and the Wellcome Trust Sanger Institute. EMBL-EBI staff enjoy many benefits including excellent sports facilities, a free shuttle bus to Cambridge and other nearby centres, an active sport and social club and an attractive working environment set in 55 acres of parkland.

Qualifications and Experience

Applicants should have a degree in a biological or computer science, and proven professional programming experience.

For the Software Developer role we are looking for at least 3 years experience of professional software development, expert knowledge of Perl and at least one other programming language, expert knowledge of relational databases and experience of handling big data. Knowledge of NoSQL data
storage, workflow/grid/cloud technologies, and handling molecular biology data are all desirable.

For the Bioinformatician role we are looking for someone who has a minimum of one years professional experience and who should also be an expert in Perl. Strong candidates will distinguish themselves by greater experience of software engineering practices, of analysis of big data, or service provision, and/or data-driven biological investigation.

Maintaining communication with several collaborating teams is an important aspect of both roles. Therefore, excellent communication and interpersonal skills are essential. A flexible mind set, capacity for independent work, and a high level of intellectual curiosity are additionally required.

**Application Instructions**

Please apply online through [www.embl.org/jobs](http://www.embl.org/jobs)

**Additional Information**

EMBL is an inclusive, equal opportunity employer offering attractive conditions and benefits appropriate to an international research organisation.

We welcome applications irrespective of gender and appointment will be based on merit alone. Applications are welcome from all nationalities. Visa information will be discussed in more depth with applicants selected for interview.

Please note that appointments on fixed term contracts can be renewed, depending on circumstances at the time of the review.

Applications will close at midnight German time on the date listed above.
Desktop Team Manager

Location: EMBL-EBI, Hinxton near Cambridge, UK
Staff Category: Staff Member
Contract Duration: 3 years
Grading: 7
Closing Date: 22 February 2015
Reference Number: EBI_00476

Job Description

We are seeking a highly proficient and motivated Desktop Team Manager. The successful applicant will manage and develop the portfolio of desktop services (e.g. OS & application support, account management, file services etc.) offered by the Technical Services Cluster (TSC) from both a technical leadership and service delivery stance. Additionally the applicant will act as a line manager for the four members of the Desktop Team and manage the day-to-day work of the team. It is essential the applicant is able to offer technical leadership as well as management experience.

The position will report to the Applications Team Leader in the TSC.

Qualifications and Experience

Ideally you will be educated to a technical degree level.

It is essential that you have:

• Experience in managing staff, IT projects and the ability to lead a team of IT professionals.
• Excellent interpersonal skills and be a good communicator both orally and in written form.
• Experience in providing technical leadership and the delivery of outstanding support to users of Windows, OSX or Linux in a heterogeneous environment.
• Willingness to work with and build skills on Windows, OSX and Linux.

Ideally you will have:

• Technical understanding of network protocols and services including TCP/IP, DNS, DHCP, Wins, SMB, SMTP, NFS, NIS.
• Experience of troubleshooting LAN, WAN and WLAN issues from a user’s perspective.

It is paramount that any candidate has exceptional problem-solving skills and works well within a small team and on their own. This role requires a high level of interaction with users of all technical abilities so good customer facing skills are essential.

Excellent English, communication and interpersonal skills are necessary.

This role requires a high level of computer literacy across multiple operating systems.

Application Instructions

Please apply online through www.embl.org/jobs

Additional Information

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We welcome applications irrespective of gender and appointment will be based on merit alone.
Applications are welcome from all nationalities. Visa information will be discussed in more depth with applicants selected for interview.

Please note that appointments on fixed term contracts can be renewed, depending on circumstances at the time of the review.

Applications will close at 23:00 GMT on the date listed above.
Job Description

The Vertebrate Genomes Team seeks an enthusiastic developer to work on comparative genomics for the Ensembl team at the European Bioinformatics Institute (EMBL-EBI), which is located on the Wellcome Trust Genome Campus near Cambridge in the UK.

Ensembl (https://www.ensembl.org/) is one of the most successful large-scale bioinformatics projects and one of the leading projects for genome annotation. Large-scale sequencing projects are now collecting genome sequences from hundreds of new species, and further orders of magnitude will be reached in the next years (for example the Genome 10K project). These data will contribute to improving our knowledge and understanding of the evolutionary history of vertebrate genes and genomes, and the connection between genome evolution and speciation. In light of these new resources, we are looking for an additional member for the team to expand and develop the comparative genomics databases for Ensembl.

The successful candidate will be involved in creating the Ensembl resources as well as maintaining and developing the production pipeline and the associated Perl API.

Reporting to the Ensembl Comparative Genomics Project Leader, the developer's primary task will be to maintain and develop the TreeFam and Gene Trees components of the Ensembl project. This will include working closely with collaborators and keeping up-to-date with scientific research in the area of gene tree reconstruction, including multiple-sequence aligners, clustering frameworks to generate protein family clusters (such as Hidden Markov Models to describe each protein family), and phylogenetic reconstruction of the sequences within each cluster.

Enabling usability of comparative genomics data including the visualisation of such data is critical and this is an area of development within the team. We aim to develop novel methods to summarise and visualise trees encompassing thousands of genes.

In particular, and in addition to the above, this role will involve:

- Maintaining and developing the Ensembl Comparative Genomics pipelines, databases and API.
- Ensuring usability of the Compara gene trees resource including visualisation of gene trees.
- Helping with coordination of the Ensembl comparative genomics release process.
- Supporting the Ensembl Genomes team and other external users in their use of the comparative genomics pipelines, including documentation of standard operating procedures.
- Teaching the usage of the Ensembl Compara API at the quarterly API workshops (https://www.ensembl.info/workshops/)
- Participation in collaborations between Ensembl and research groups/consortia.
- Representing the project and the institute at conferences.

The EBI is part of the European Molecular Biology Laboratory (EMBL) and is Europe's leading provider of information services to biological researchers in academia and industry. EMBL-EBI staff enjoy many benefits including sports facilities, a free shuttle bus to Cambridge and other nearby centres, and an attractive working environment set in 55 acres of parkland.
For further information please visit www.ebi.ac.uk

Qualifications and Experience

The ideal candidate will hold a PhD in molecular biology, bioinformatics or a related field or a Masters degree with appropriate experience. Previous experience of working in a production software environment and organising tasks to fit defined release cycles is desirable but not essential.

You will have experience of working in a UNIX/Linux environment and must have programming experience: the ideal candidate will have at least 2 years experience of Perl programming or will have a computational background and a demonstrable knowledge in comparative genomics.

A high proficiency in object-orientated Perl and shell scripting is essential and the post holder will be expected to be comfortable working in a Unix environment working with relational databases. As you will be expected to work on the visualisation of Ensembl Gene Trees, knowledge of (or an interest in) web programming and design and the related common libraries/development patterns would be welcome. Experience of the following would be highly beneficial but not essential:

- Compute grid engines (such as Platform LSF)
- Version control systems, especially GIT

The successful candidate will be self-motivated and capable of working both independently and within a closely interacting team of scientists in an international academic environment. They should be comfortable with detail-orientated work, project deadlines, and enjoy the challenges and excitement associated with working in a fast moving field.

Excellent English, written and oral, communication and interpersonal skills are essential

Application Instructions

Please apply online through www.embl.org/jobs

Additional Information

EMBL is an inclusive, equal opportunity employer offering attractive conditions and benefits appropriate to an international research organisation.

We welcome applications irrespective of gender and appointment will be based on merit alone. Applications are welcome from all nationalities. Visa information will be discussed in more depth with applicants selected for interview.

Please note that appointments on fixed term contracts can be renewed, depending on circumstances at the time of the review.

Applications will close at midnight German time on the date listed above.
Outreach Project Leader

Location: EMBL-EBI - Hinxton near Cambridge, UK
Staff Category: Staff Member
Contract Duration: 3 years
Grading: 7
Closing Date: 30 January 2015
Reference Number: EBI_00479

Job Description

The Vertebrate Genomics Team at the European Bioinformatics Institute (EMBL-EBI) is seeking to appoint a project leader for the outreach, training and user support of the greater Ensembl project and related genomics resources at EMBL-EBI, which is located on the Wellcome Trust Genome Campus near Cambridge in the UK.

Supported resources include Ensembl, Ensembl Genomes, the European Nucleotide Archive (ENA) and the 1000 Genomes Project. The successful candidate will lead the outreach team, an energetic group currently consisting of three individuals responsible for user training and support, dissemination, and contributing to website usability. Specific roles include:

- organisation and presentation of world-wide training courses
- heading up e-learning efforts and webinars
- direct support of user queries via email
- handling dissemination of key developments via social media
- feedback to development teams
- supporting usability testing and web design
- participation in strategic decisions.

The position involves world-wide travel and the post-holder will work closely with the EMBL-EBI's general Outreach & Training Team (OTT) and will report to the Head of the Vertebrate Genomics Team.

Qualifications and Experience

The ideal candidate will have a background in biology, genetics or a related field and an additional degree qualification would be highly advantageous. Experience in bioinformatics is strongly encouraged and management experience would be beneficial for this role. Know-how in organising conferences on an international level is desired and experience in writing for the web, social media, distance-learning efforts, and in the User Experience field are highly sought-after skills for this post.

The post-holder should be comfortable working with computers and an understanding of UNIX/Linux would be helpful but is not required.

The successful candidate will have excellent communication skills, along with organisational skills and should be able to work within a closely interacting team of scientists and developers in an international academic environment. (S)he should enjoy the challenges and excitement associated with working in a fast moving and worldwide field and be able to multi-task.

Application Instructions

Please apply online through www.embl.org/jobs

Additional Information

EMBL is an inclusive, equal opportunity employer offering attractive conditions and benefits appropriate to an international research organisation.

http://intranet.embl.de/hr/jobs/searchjobs/index.php?newlang=1&ref=EBI_00479&ba... 22/01/2015
We welcome applications irrespective of gender and appointment will be based on merit alone. Applications are welcome from all nationalities. Visa information will be discussed in more depth with applicants selected for interview.

Please note that appointments on fixed term contracts can be renewed, depending on circumstances at the time of the review.

Applications will close at midnight German time on the date listed above.
Job Description

The Vertebrate Genomes Team seeks an enthusiastic developer to work on comparative genomics for the Ensembl team at the European Bioinformatics Institute (EMBL-EBI), which is located on the Wellcome Trust Genome Campus near Cambridge in the UK.

Ensembl (https://www.ensembl.org/) is one of the most successful large-scale bioinformatics projects and one of the leading projects for genome annotation. Large-scale sequencing projects are now collecting genome sequences from hundreds of new species, and further orders of magnitude will be reached in the next years (for example the Genome 10K project). These data will contribute to improving our knowledge and understanding of the evolutionary history of vertebrate genes and genomes, and the connection between genome evolution and speciation. In light of these new resources, we are looking for an additional member for the team to expand and develop the comparative genomics databases for Ensembl.

The successful candidate will be involved in creating the Ensembl comparative genomics resources as well as in maintaining and developing the production pipeline and the associated Perl API.

Reporting to the Ensembl Comparative Genomics Project Leader, the developer's primary task will be to maintain and develop the whole-genome alignment component of the Ensembl project. This will include working closely with collaborators and keeping up-to-date with scientific research in the area of genome alignments, including aligners (eg Cactus) and file formats (e.g. HAL - Hierarchical Alignment Format). Derived resources that are currently produced, such as GERP and synteny analysis, may also be expanded to new resources of interest to the Ensembl project and community.

In particular, and in addition, to the above, this role will involve:

- Maintaining and developing the Ensembl Comparative Genomics pipelines, databases and API.
- Helping with coordination of the Ensembl comparative genomics release process.
- Supporting the Ensembl Genomes team and other external users in their use of the comparative genomics pipelines.
- Collaborating and coordinating with peers at the UCSC genome browser on the development of the tools and creation of resources.
- Teaching the usage of the Ensembl Compara Perl API at the quarterly PI workshops (http://www.ensembl.info/workshops/)
- Participation in collaborations between Ensembl and research groups/consortia.
- Representing the project and the institute at conferences.

The EBI is part of the European Molecular Biology Laboratory (EMBL) and is Europe's leading provider of information services to biological researchers in academia and industry. EMBL-EBI staff enjoy many benefits including sports facilities, a free shuttle bus to Cambridge and other nearby centres, and an attractive working environment set in 55 acres of parkland. Our salary scales are very competitive.

For further information please visit www.ebi.ac.uk
Qualifications and Experience

The ideal candidate will hold a PhD in molecular biology, bioinformatics or a related field or a Masters degree with appropriate experience. Previous experience of working in a production software environment and organising tasks to fit defined release cycles is desirable but not essential.

You will have experience of working in a UNIX/Linux environment and must have programming experience: the ideal candidate will have at least 2 years experience of Perl programming or will have a computational background and a demonstrable knowledge in comparative genomics.

A high proficiency in object-orientated Perl and shell scripting is essential and the post holder will be expected to be comfortable working in a Unix environment working with relational databases. Experience of the following would be highly beneficial but not essential:

- Python programming
- C++ programming
- The HAL/HDF5 file formats
- Compute grid engines (such as Platform LSF)
- Version control systems, especially GIT

The successful candidate will be self-motivated and capable of working both independently and within a closely interacting team of scientists in an international academic environment. They should be comfortable with detail-orientated work, project deadlines, and enjoy the challenges and excitement associated with working in a fast moving field.

Excellent English, written and oral, communication and interpersonal skills are essential

Application Instructions

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Additional Information

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Please note that appointments on fixed term contracts can be renewed, depending on circumstances at the time of the review.

Applications will close at midnight German time on the date listed above.
Ensembl Core Software Project Leader

Location: EMBL-EBI - Hinxton near Cambridge, UK
Staff Category: Staff Member
Contract Duration: 3 years
Grading: 7
Closing Date: 30 January 2014
Reference Number: EBI_00481

Job Description

The Ensembl project seeks a talented and motivated Project Leader to manage the development of its Core Software at the European Bioinformatics Institute (EMBL-EBI) which is located on the Wellcome Trust Genome Campus near Cambridge in the UK.

The primary role of the position is managing the development and maintenance of the Ensembl Core database schema and the Ensembl Core Perl API which serve as the basis for the Ensembl website and annotation pipelines and is also widely used by external users.

The responsibilities are:

- Management of several software developers
- Setting the direction and priorities of the Core API and databases.
- Representing the team at internal and external meetings
- Training staff and responding to functionality requests and bug reports.
- Be involved in the hiring of new staff member
- Participate in the overall leadership of the Ensembl project.

Additional core tasks include:

- Playing a key part in the Ensembl release cycle.
- Working with other components of Ensembl, including Ensembl Genomes, as well as with external users to make our software as usable and efficient as possible.
- Collaborating with international projects on and off campus.
- User support and training.

The EBI is part of the European Molecular Biology Laboratory (EMBL) and is Europe's leading provider of information services to biological researchers in academia and industry.

For further information please visit www.ebi.ac.uk

Qualifications and Experience

The ideal candidate should hold a Masters degree or higher in Computer or Physical Science, or a Ph.D. in Biological Science.

Experience of working in a large software development project, in close collaboration with team members, with specific personal responsibilities, to deadlines, would be beneficial! You will also find it useful to have experience of working with large codebases and systems which process and store large quantities of data. Previous experience with bioinformatics projects will be an advantage.

The post-holder must have strong programming skills in Perl. Experience in development of SQL databases, in particular MySQL would be highly advantageous as would knowledge of NoSQL solutions. Experience in other programming/scripting languages, particularly Java, would be an
advantage as would knowledge of molecular biology and/or bioinformatics. You must be comfortable developing software in a primarily Unix-based environment, be familiar with the use of development tools such as Git and GitHub for collaborative development. Familiarity with virtualisation and cloud computing, particularly Amazon Web Services, is desirable.

We require highly motivated candidates with good communication and interpersonal skills. Furthermore, candidates should demonstrate solid problem solving skills, excellent attention to detail, and a desire to work in an international environment. Good written and oral English skills are required.

Application Instructions

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Additional Information

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Please note that appointments on fixed term contracts can be renewed, depending on circumstances at the time of the review.

Applications will close at midnight German time on the date listed above.
Software Engineer

Location: EMBL-EBI - Hinxton near Cambridge, UK
Staff Category: Staff Member
Contract Duration: 3 years
Grading: 5 - 6, depending on qualifications and experience
Closing Date: 15 February 2015
Reference Number: EBI_00483

Job Description

We are looking for a highly motivated, experienced Java Developer to work in the Proteomics Services Team at the European Bioinformatics Institute (EMBL-EBI) which is located on the Wellcome Trust Genome Campus near Cambridge in the UK.

The European Bioinformatics Institute provides cutting edge research and services for biomolecular data. The post-holder will work on the IntAct molecular interactions database [1] and will participate in:

• Management and maintenance of the IntAct database, editorial tool and software, including pipelines for data exchange with other EMBL-EBI resource.
• Further development of public web services such as the Complex Portal and PSICQUIC interaction data exchange protocol.
• Redevelopment of the IntAct website based on user survey results.
• Further development, testing and documentation of the JAMI framework (Java framework for Molecular Interactions) and data standard formats.
• International collaboration between IntAct and other molecular interaction databases/resources to improve standard formats and tools (Proteomic Standards Initiative, Molecular Interaction track).

EMBL-EBI is a world-leading bioinformatics centre providing biological data to the scientific community with expertise in data storage, analysis and representation. We provide a dynamic, international working environment and have close ties with both the University of Cambridge and the Wellcome Trust Sanger Institute.

EMBL-EBI staff enjoy many benefits including excellent sports facilities, a free shuttle bus to Cambridge and other nearby centres, an active sports and social club, generous annual leave and an attractive working environment set in 55 acres of parkland.


Qualifications and Experience

The successful candidate should have a degree in computer science, bioinformatics or a related field and be able to demonstrate a minimum of 3 years or more experience in Java software development, ideally in a life science environment.

It is essential for the post-holder to have a profound knowledge and experience of Java EE, object orientated programming, UNIX/Linus and Tomcat. Knowledge/experience of the following technologies would be a definite bonus:

• Spring/Hibernate, HQL
• Subversion, Git, Maven
• SOLR/LUCENE
• LSF
• Relational databases, ideally Oracle
• XML technologies (XSD, JAXB framework)
• Primefaces, Trinidad, JSF
• JavaScript frameworks such as AngularJS, D3, CytoscapeJs
• GWT, HTML5 Canvas
• Nexus
• Jenkins or other continuous integration tools
• Graphs and network visualisation

The ideal candidate will be expected to interact well within a highly international, team-oriented environment and to collaborate closely with developers, bioinformaticians, and scientists across EMBL-EBI, and also with external partners. Excellent communication skills are essential.

Application Instructions

Please apply online through www.embl.org/jobs

Additional Information

EMBL is an inclusive, equal opportunity employer offering attractive conditions and benefits appropriate to an international research organisation.

We welcome applications irrespective of gender and appointment will be based on merit alone. Applications are welcome from all nationalities. Visa information will be discussed in more depth with applicants selected for interview.

Please note that appointments on fixed term contracts can be renewed, depending on circumstances at the time of the review.

Applications will close at midnight German time on the date listed above.
Software Engineer/Web Developer

Location: EMBL-EBI, Hinxton near Cambridge, UK
Staff Category: Staff Member
Contract Duration: 3 years
Grading: 5 or 6, depending on experience - Competitive Salary
Closing Date: 8 February 2015
Reference Number: EBI_00485

Job Description

We are seeking an experienced Software engineer to work on database and web development as part of the Gene Ontology annotation project at the European Bioinformatics Institute (EMBL-EBI) located on the Wellcome Trust Genome Campus near Cambridge in the UK.

This opportunity is suited to an experienced software engineer with web development experience. You will manage and develop the production software of one of the most internationally widely-used bioinformatics resources, the Gene Ontology annotation project. You will be responsible for the design, development and maintenance of the web-based curation tool (Protein2GO) and web-based ontology and annotation browser (QuickGO), in collaboration with the GO Consortium and the UniProt group at the EMBL-EBI. The role also involves close interaction with the User Experience and Outreach staff members in the team.

Reporting to the UniProt Development Team Leader, your primary responsibilities will include:

- Design, development and maintenance of the web-based Gene Ontology and annotation browser (QuickGO), which supports a wide range of researchers worldwide;
- Design, development and maintenance of the web-based curation tool (Protein2GO), which supports the annotation activities of biocurators from UniProt and the GO Consortium;
- Assist with web usability and standards to promote best practices;
- Support the databases and production release pipelines of the Gene Ontology annotation data.

EMBL-EBI is part of the European Molecular Biology Laboratory (EMBL). We are a world-leading bioinformatics centre providing biological data to the scientific community with expertise in data storage, analysis and representation. We provide a dynamic, international working environment and have close ties with both the University of Cambridge and the Wellcome Trust Sanger Institute. EMBL-EBI staff enjoy many benefits including generous annual leave, excellent sports facilities, a free shuttle bus to Cambridge and other nearby centres, an active sports and social club and an attractive working environment set in 55 acres of parkland.

Qualifications and Experience

You will have a background in computing, bioinformatics, and/or biological science with 3 years of programming work experience. You will also should have proven working experience of programming with Java (particularly Spring and Apache Solr) and JavaScript (jQuery) and Web development (server and client side, RESTful web services). Familiarity with HTML5/CSS3, relational databases (preferably Oracle) and SQL and Unix shell scripting is required. You should also be familiar with standard development tools (source code management systems, etc). Knowledge of Perl would be advantageous. Communication skills are essential.

Application Instructions

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Additional Information
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Applications are welcomed from all Nationalities and visa information will be discussed in detail with those selected for interview.

This position will close at 11pm GMT on the date shown above.
Project Lead - Gene Ontology & Gene Ontology Annotation

Location: EMBL-EBI, Hinxton, near Cambridge, UK
Staff Category: Staff Member
Contract Duration: 4 years
Grading: 8
Closing Date: 15 February 2015
Reference Number: EBI_00486

Job Description

We are seeking a Project Leader to work in both the UniProt Content and the Samples, Phenotypes and Ontologies teams at the European Bioinformatics Institute (EMBL-EBI). You will manage the EBI’s role in the Gene Ontology (GO) and Gene Ontology Annotation (GOA) projects, in collaboration with the NIH funded Gene Ontology and UniProt Consortia. You will manage a team of 4 GO annotators and ontology editors to develop the GO and apply it to UniProtKB data. You will also be responsible for coordinating the integration of GO annotation from many external curation groups into the EBI resources. There will also be collaboration with software engineers in the UniProt Development team for the appropriate delivery of the GOA website and curation tools.

The work is highly collaborative and will involve coordination of the work of EBI team members, design and delivery of priorities and milestones, regular communication with members of the GO consortium and PIs and input into the GO consortium priorities. You will manage multiple intersecting biology-driven and ontology projects with a range of international organizations and prioritize these projects according to available resources in collaboration with the Team Leaders.

You must be able to use your own initiative to create and drive projects to a successful conclusion, including identifying opportunities for funding. You will undertake least two international trips a year, to attend GO Consortium and other related meetings and must be available for international phone calls.

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Qualifications and Experience

Required:

- Strong biological background (PhD or equivalent level)
- Experience of working with controlled vocabularies ontologies in OBO/OWL and use of ontologies, preferably in a data annotation environment.
- Experience of an ontology editor (e.g. OBO-Edit/Protégé)
- Management experience is required as you will assume line management responsibility for team members as well as project management duties.
- Excellent presentation and communication skills are required as you will draft papers, grants and grant reports, as well as representing EMBL-EBI and the Gene Ontology and UniProt Consortia at international meetings.
- Excellent interpersonal skills
- You should also demonstrate experience of working well both independently and within a team environment.

Desirable:
- Computational skills, for example working within a Unix/Linux environment, Perl/Python scripting or experience of Java, SQL would be an advantage
- An understanding of the GO user community is highly desirable, as you will work with users directly and interact with software developers within the EMBL-EBI and the GO consortium in delivery of tools for biologists which provide access to data and ontologies.

Application Instructions

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Additional Information

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Please note that applications on fixed term contracts can be renewed, depending on circumstances at the time of the review.

Applications will close at 23:00 GMT on the date listed above.
Framework Manager

Location: EMBL-EBI, Hinxton near Cambridge, UK
Staff Category: Supernumerary
Contract Duration: 1 year
Grading: 4
Closing Date: 15 February 2015
Reference Number: EBI_00487

Job Description

EMBL-EBI are currently engaged in a programme of work funded by the UK Government to enhance our services and has already seen the acquisition of space within a commercially run Data Centre and set up of an OJEU purchasing framework for IT equipment to run and deliver data services.

In addition to the management of the existing IT infrastructure, the Systems and Networking Team are also responsible for managing the process of implementation of services across all Data Centres and the Framework Agreement operations under which the IT equipment will be purchased over the 2011-2019 funding period.

The Framework Manager will work 23.4 hours per week and report to the LFCF programme manager in the first instance and liaise closely with the Systems and Networking Technical Team Leader on all framework procurement issues.

The core responsibilities of the Framework Manager will include:

• Maintain relationships and communications between the Technical Services cluster teams and framework partners throughout the phases of the Framework Agreement ensuring full understanding of all responsibilities and actions required.

• Ensure good communications are maintained between the LFCF Programme about all aspects of the on-going framework procurement.

• Assist the LFCF project team in any tasks relating to EMBL-EBI onward procurement strategy, whether joining a public framework or extension of the current framework or a retendering procedure.

• Be alert and responsive to the needs of the external stakeholders and review bodies associated with the LFCF Programme to help ensure good coordination and cooperation.

Please click here to see a full job description for this role.

Qualifications and Experience

The successful candidate will be able to show experience procurement processes. If the candidate has been exposed to Data Centre Operations and/or procurement of IT equipment this would be a distinct advantage.

It is essential the post-holder has a ‘can do’ attitude and the stamina and determination to be part of a very agile and dynamic environment. Excellent diplomacy and communication skills, both written and verbal, are also necessary to this role.

A good working knowledge of Microsoft Word, Excel, PowerPoint, Visio, SAP or equivalent is also required.

Application Instructions

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Additional Information

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Applications will close at midnight German time on the date listed above.
Bioinformatician/Software Developer

Location: EMBL-EBI, Hinxton, near Cambridge, UK
Staff Category: Staff Member
Contract Duration: 1 year 6 months
Grading: 5
Closing Date: 8 March 2015
Reference Number: EBI_00490

Job Description

We are looking to recruit an enthusiastic, highly motivated bioinformatician and Java software developer to join the Samples, Phenotypes and Ontologies (SPOT) team at the European Bioinformatics Institute (EMBL-EBI) located on the Wellcome Trust Genome Campus near Cambridge in the UK.

In this role, you’ll be building tools to automate the capture, validation and storage of plant phenomics data. You’ll be embedded into the Biosamples team, a multidisciplinary team of bioinformaticians and programmers with experience in ontologies, databases, and backend java technologies as well as user interfaces.

The Biosamples database at EMBL-EBI is a resource that integrates biological samples from a wide variety of sources to provide a single location to apply standards and ontologies to sample data. It has grown from 14,000 samples in 2010 to almost 4 million samples in 2014. Biosamples will become an important component in a new bioinformatics platform to enable genomics research in crop science, helping to integrate the growing wealth of plant genomic and phenomic information to empower the research community as it addresses global challenges relating to plant security, bioenergy and environmental change.

You’ll be expected to work on all aspects of the stack, as well as data processing pipelines behind the scenes, to help acquire and process the data on the way in. You’ll also work directly with plant scientists to help develop a plant phenotype data submission service that capitalises on the ontologies and data standards that are available in the plant community. As part of your day to day job, you can expect to interact with other groups at EMBL-EBI as well as our external collaborators in order improve submission of and access to plant phenomics data in the biosamples database.

This position offers exciting opportunities, both to work as part of a team on a large, established bioinformatics database, and to take the initiative in the development of new data processing and submission tools. It would be perfect for a dynamic and motivated programmer, especially one with previous experience of plant genomics.

EMBL-EBI is part of the European Molecular Biology Laboratory (EMBL) and is Europe’s leading provider of information services to biological researchers in academia and industry. At EMBL-EBI we provide a dynamic, international working environment and have close ties with both the University of Cambridge and the Wellcome Trust Sanger Institute. EMBL-EBI staff enjoy many benefits including excellent sports facilities, a free shuttle bus to Cambridge and other nearby centres, an active sports and social club and an attractive working environment set in 55 acres of parkland.

Qualifications and Experience

Required

• Undergraduate degree in biology or several years’ experience working in a bioinformatics environment, and a master’s degree in either computer sciences or bioinformatics
• Good Java programming skills
Experience of working in a Unix/Linux environment and coding against relational databases
Experience of working with version control technologies - ideally Git or SVN
SPOT is a multidisciplinary team, who believe in Agile development methods, so you'll either need to have worked in agile teams in the past or be comfortable adapting to one

Desirable

Experience with Solr, Lucene or ElasticSearch
Familiarity with SQL databases
Experience with semantic web technologies such as OWL, RDF or SPARQL would be an advantage
Experience with other languages, such as Python or perl would also be useful
A background or prior experience in plant genomics data would be an advantage but is not required

Application Instructions

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Additional Information

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Applications will close at 23:00 GMT on the date listed above.
Software Development Project Leader

Location: EMBL-EBI, Hinxton near Cambridge
Staff Category: Staff Member
Contract Duration: 3 years
Grading: 7
Closing Date: 15 February 2015
Reference Number: EBI_00492

Job Description

We are looking for a Project Leader with experience in working on large software systems, for the development and maintenance of user facing components developed in the Functional Genomics Software Development team - ArrayExpress, Annotare (the data submission tool for ArrayExpress) and the BioStudies database, a new data resource that will serve as a generic data archive at EMBL-EBI for biomolecular datasets. The post-holder will play a key role in the specification, design, implementation and maintenance of software components for the BioStudies database as an extension of the existing Gene Expression database, ArrayExpress, with a particular emphasis on data submission tools and data access interfaces. The Project Leader will also ensure that the existing production level database infrastructure is functional. The work will be performed jointly with software engineers, data curators and bioinformaticians.

The post holder will also be required to design and implement efficient data integration procedures with other resources at EMBL-EBI and beyond; this work will involve liaison with the teams maintaining these resources. Contribution to EMBL-EBI activities in aligning various aspects of resource development will be expected.

The Project Leader will be able to deliver and maintain reliable and robust software components. (S)He will coordinate a small team of 2-3 developers, and will have an active role in setting software development directions for the team.

Qualifications and Experience

We are looking for people with a strong interest in software engineering and design - a degree in computer science, mathematics, IT, or a related field is necessary.

Experience with requirements analysis, design and development of web-based data manipulation tools is essential. Bioinformatics, biology, or life sciences experience is a strong advantage. The list of essential specific skills includes:

- minimum of 5 years' experience in Java programming and thorough knowledge of related EE Java technologies including JDBC, servlets, JSP;
- minimum of 5 years' experience with JavaScript development, knowledge of popular JavaScript frameworks;
- leadership and management in mid-to-large scale software projects.

Application Instructions

Please apply online through www.embl.org/jobs

Additional Information

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Applications will close at midnight German time on the date listed above.
ELIXIR Data Coordinator/Chief Data Officer

Location: Hinxton, near Cambridge, UK
Staff Category: Staff Member
Contract Duration: 3 years
Grading: 6 or 7
Closing Date: 15 February 2015
Reference Number: EBI_00494

Job Description

ELIXIR is seeking an experienced Data Coordinator/Chief Data Officer to join the dynamic and international team at the ELIXIR Secretariat in Hinxton, UK. The ELIXIR Hub is located at EMBL-EBI, Wellcome Trust Genome Campus, and has excellent facilities in an attractive campus environment in the Cambridgeshire countryside with transport provided to nearby Cambridge and Saffron Walden.

ELIXIR is a unique undertaking that consolidates Europe’s core bioinformatics resources, services, and national centres into a single, coherent infrastructure. Strong collaboration between our distributed Nodes will address current life-science data challenges that include quality curation of data, interoperable service interfaces and long-term sustainability of data resources.

For further information on ELIXIR please visit [www.elixir-europe.org](http://www.elixir-europe.org)

The main purpose of this role is to work with ELIXIR Nodes to ensure the coordination and long-term viability of ELIXIR data services through collaborative development and execution of ELIXIR’s data management and interoperability strategy. The role-holder will drive development and implementation of best practice in data management across ELIXIR. The ELIXIR Data Coordinator is also expected to take the lead role in the development of ELIXIR’s data access and data security strategy in collaboration with technical experts from Nodes and e-infrastructures. The ELIXIR Data Coordinator/Chief Data Officer will also work with other Research Infrastructures and e-Infrastructures to identify and develop strong collaborations.

To see a full job description and requirements click [here](http://intranet.embl.de/hr/jobs/searchjobs/index.php?newlang=1&ref=EBI_00494&ba...).

Qualifications and Experience

University degree in the field of life-science, computer science, or another rigorous discipline with solid interest and experience of bioinformatics/medical informatics research. An advanced degree in one these fields is a plus.

Knowledge and Experience

- 5+ years’ experience in an informatics intensive research environment. Life science experience and solid understanding of biological and/or medical data integration is a strong asset.
- Demonstrated ability to lead and motivate technical teams in a distributed environment to deliver against challenging goals and timelines.
- Robust understanding and experience from data-intensive high performance computing with demonstrated ability to predict and project technical developments and needs.
- Familiarity with network technologies, database management systems and data integration techniques including semantic data integration.
- Experience in developing standards and data repositories.
- Demonstrated understanding of information security vulnerabilities and risk management.
- Strong interest in data issues both from a user perspective and from an infrastructure perspective.

To see a full job description and requirements click [here](http://intranet.embl.de/hr/jobs/searchjobs/index.php?newlang=1&ref=EBI_00494&ba...).
**Application Instructions**

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**Additional Information**

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Applications will close at 23:00 GMT on the date listed above.

It is envisaged that interviews will take place in the week beginning 23 February 2015.
ELIXIR Communications and Community Outreach Officer

**Location:** Hinxton, near Cambridge, UK  
**Staff Category:** Staff Member  
**Contract Duration:** 3 years  
**Grading:** 5 or 6, depending on experience  
**Closing Date:** 15 February 2015  
**Reference Number:** EBI_00495

**Job Description**

ELIXIR is seeking an experienced Communications and Community Outreach Officer to join the dynamic and international team at the ELIXIR Secretariat in Hinxton, UK. The ELIXIR Hub is located at EMBL-EBI, Wellcome Trust Genome Campus, and has excellent facilities in an attractive campus environment in the Cambridgeshire countryside with transport provided to nearby Cambridge and Saffron Walden.

ELIXIR is a unique undertaking that consolidates Europe’s core bioinformatics resources, services, and national centres into a single, coherent infrastructure. Strong collaboration between our distributed Nodes will address current life-science data challenges that include quality curation of data, interoperable service interfaces and long-term sustainability of data resources.

For further information on ELIXIR please visit www.elixir-europe.org

The main purpose of this role is to work with ELIXIR Nodes to ensure that our communications, publications, social media and online presence promote ELIXIR’s progression as a first class research infrastructure for its users. The post holder will support ELIXIR partners in their efforts to ensure a coordinated communication strategy is embedded across Europe. The post holder will take responsibility for engaging with ELIXIR’s user communities to ensure the communications strategy responds to the needs of the scientific community. We are looking for a motivated, flexible self-starter with a proven ability to engage, collaborate and deliver.

To see a full job description and requirements click [here](http://intranet.embl.de/hr/jobs/searchjobs/index.php?newlang=1&ref=EBI_00495&ba...)

**Qualifications and Experience**

The candidate will have a degree in life sciences or journalism/communications that can be applied effectively to the life sciences field. The candidate is a flexible self-starter that identifies opportunities, initiates projects and engages with ELIXIR champions to see them through to delivery.

- Excellent writing skills and a high level of literacy in English with a strong attention to detail. Working experience of other European languages is an asset.
- Practical experience supporting or running effective communications campaigns that include social media.
- Experience and interest in working in an international environment and distributed organisations. Experience collaborating on projects with people on many sites.
- Familiarity with general communications software. The post will require that you work with Microsoft Office and Adobe Photoshop. You will also need to keep up to speed with survey and mailing software, for example MailChimp and SurveyMonkey.
- Flexibility to travel periodically to other European countries to work with colleagues at ELIXIR Nodes and to promote ELIXIR at scientific conferences.

To see a full job description and requirements click [here](http://intranet.embl.de/hr/jobs/searchjobs/index.php?newlang=1&ref=EBI_00495&ba...).
Application Instructions

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Applications will close at 23:00 GMT on the date listed above.

It is envisaged that interviews will take place in the week beginning 23 February 2015
Bioinformatics Web Developer

**Location:** EMBL-EBI, Hinxton, Near Cambridge

**Staff Category:** Staff Member

**Contract Duration:** 3 Years

**Grading:** 5

**Closing Date:** 20 February 2015

**Reference Number:** EBI_00491

**Job Description**

We are looking to recruit an enthusiastic, highly motivated Developer to join the Samples, Phenotypes and Ontologies team at the European Bioinformatics Institute (EBI) located on the Wellcome Trust Genome Campus near Cambridge in the UK.

Are you a web developer with an eye for design? Can you grapple with complex data and work out how to present them to the world in intuitive ways? Are you excited about new front-end technologies and frameworks? If so, this is the role for you!

You’ll be working on user interfaces for two projects - the Virtual Fly Brain (VFB) and the European Bank for induced pluripotent stem cells (EBiSC). The VFB is building a resource to pull together genetic information, anatomical information and image data from the brains of fruit flies. A massive international effort is currently underway to map the neural circuitry of the brain of the fruit fly, Drosophila, and to genetically dissect the functions of these circuits. VFB serves this community by integrating all the available data into a queryable system backed by an innovative, OWL-based schema and the results of statistical image analysis of tens of thousands of insect brain images.

The EBiSC project is a large European public-private partnership project supported jointly by the Innovative Medicines Initiative (IMI) and members of the European Federation of Pharmaceutical Industries and Associations (EFPIA), which aims at establishing the first European Bank for induced pluripotent Stem Cells (iPSC). The Samples, Phenotypes and Ontologies team are responsible for the capture, storage and publication of all data on each cell line produced by EBiSC.

Both projects present really interesting challenges for the presentation of complex biological data to users in intuitive, visually appealing ways. As part of the VFB project, you will be developing a new web interface, integrating a range of new search and query features with a WebGL based 3D image browser. As part of the EBiSC project, you’ll be working with an existing interface to display EBiSC data stored in the Biosamples Database, so you’ll need to find ways to innovate the existing interface to better illustrate stem cell data and reflect links between the biological samples involved in producing these cell lines. Your primary responsibilities will be to take ownership of both interfaces, and work closely with the developers of the backend databases to find new ways to represent the existing data. You’ll be expected to be involved in soliciting user feedback and will need to be responsive to evolving requirements.

You’ll be working within the SPOT team at EBI alongside developers, bioinformaticians and ontologists. As part of your day to day job, you’ll be collaborating with the VFB team, who have a range of expertise in semantics, image analysis and 3D image display, and the BioSamples database team, who have experience in ontologies, databases and backend java technologies. You’ll also be interacting with other groups at EMBL-EBI and external collaborators, both within the UK and internationally, to improve our websites.

For further information about the Virtual Fly Brain project, please visit: https://www.virtualflybrain.org
For further information about EBiSC or the Biosamples database, please visit: https://www.ebisc.org or https://www.ebi.ac.uk/biosamples

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Qualifications and Experience

You will be qualified to degree level in either computer sciences or bioinformatics.

It is essential that you have experience in modern web technologies - HTML5, CSS and Javascript together with a proven track record of user interface design and development. You must be enthusiastic about investigating the latest frameworks to find elegant solutions to existing problems. You will have experience of interacting with RESTful APIs and Java-based back-ends, and you have to be familiar with version control - ideally Git. Experience of Solr, Lucene or ElasticSearch is desirable, as is familiarity with SQL databases.

Experience with semantic web technologies such as OWL, RDF or SPARQL would be useful but is not essential, together with experience of any other languages, such as Python or Perl.

SPOT is a multidisciplinary team, who believe in Agile development methods, so you'll either need to have worked in agile teams in the past or be comfortable adapting to one.

Excellent English, written and oral, and interpersonal skills are essential.

Application Instructions

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Additional Information

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Applications will close at 11pm UK time on the date listed above.
Grants Officer

Location: Grenoble, France
Staff Category: Staff Member
Contract Duration: 3 years
Grading: 4, 5 or 6, depending on experience and qualifications
Closing Date: 01 February 2015
Reference Number: GR_00073

Job Description

The European Molecular Biology Laboratory (EMBL) is one of the highest ranked scientific research organisations in the world. The Headquarters Laboratory is located in Heidelberg (Germany), with additional sites in Grenoble (France), Hamburg (Germany), Hinxton (UK) and Monterotondo (Italy).

We are looking for a Grants Officer to join us at the European Molecular Biology Laboratory in Grenoble, France.

The postholder will be employed in Grenoble outstation and will report directly to the Head of Grants Services.

General assistance to EMBL researchers on grant applications and management.

The post holder will have a broad range of responsibilities concerning EMBL’s external research funding which will include, but not be limited to, the following:

• Looking after the grants needs of a group of EMBL scientists
• Ensuring deadlines at every stage of the grant process are met
• Ensuring that grant applications comply with EMBL internal rules and funding body guidelines
• Identifying sources of funding
• Liaising with grant-giving bodies
• Informing the scientists and other administrators about funding opportunities, eligibility, procedures and deadlines
• Supporting the scientists in developing applications - particularly in the Personnel and Administrative sections
• Providing support during the run-time of externally funded projects to help fulfil reporting obligations and other aspects of project management as necessary
• Reviewing contracts, consortium agreements and other documents
• Liaising with administrative colleagues in scientific units and outstations
• Routine office duties such as the input of database information, dealing with correspondence, maintenance grant-related intranet information, maintenance of funders’ information and rules, especially as these affect EMBL.

General assistance to EMBL Grenoble researchers on grant applications and management.

• Providing guidance and advice to group and team leaders on the administrative and financial requirements laid down by different grant funding bodies,
• Liaising with Grants Services to ensure that administrative stages of grant applications, contracts and other agreements are complete,
• Flagging-up and resolving any issues which might arise prior to application,
• Aid scientists at the outstation in administration of current grants including preparation of reports to funding bodies and general advice and troubleshooting concerning grant arrangement,

The job holder will also be expected to cover for colleagues during absences and to keep themselves informed about the terms and conditions of a wide range of different grant-giving bodies.

Qualifications and Experience

Candidates should have at least two years grants administration experience, preferably including project management,
gained in a scientific or international environment, in particular a current knowledge of French grants and/or EU FP
grants procedures. Ideally, the post holder has worked in an organization of size comparable to the EMBL. The
successful applicant will be computer literate and have good working knowledge of Excel, Word and Outlook. Knowledge
of Research Information Systems and SAP would be an advantage. The abilities to work within a team and to tight
deadlines, to manage a wide workload and use initiative are essential.

The candidate should be educated to degree level and preferably to PhD level, in a science related subject, and should
be fluent in English and French.

**Application Instructions**

Please apply online through [www.embl.org/jobs](http://www.embl.org/jobs)

**Additional Information**

EMBL is an inclusive, equal opportunity employer offering attractive conditions and benefits appropriate to an
international research organisation. Please note that appointments on fixed term contracts can be renewed, depending
on circumstances at the time of the review.