

LIPID MAPS Web Developer

Department	Bioinformatics
Grade	BI 6
Salary range	£30,751 to £33,826 per annum
Length of appointment	5 years in the first instance
Location	Babraham Institute
Working Hours	37 hours

Job Profile Summary

This post will be responsible for the maintenance and development of the web front end and database components of the LIPID MAPS lipidomics database.

The job holder will develop and extend the existing databases, implementing new functionality in collaboration with the separate analysis developer post. The successful candidate will also help to maintain the existing site through the development of automated testing and monitoring systems and helping with the curation of new data into the existing system.

Key areas of Responsibility

- Manage and maintain both the web and database components of the LIPID MAPS database
- Implement new functionality in the web front end and APIs in collaboration with the analysis developer.
- Extend the database model to account for new types of data to be stored in LIPID MAPS
- Integrate LIPID MAPS with other public data sources
- Assist with the curation of new data being entered into the LIPID MAPS database

Person Specification

Criteria	Essential (✓)	Highly Desirable (✓)	Desirable (✓)	Shortlisting (please indicate the specific criterion that can be shortlisted) (✓)
Education & Qualifications				
Undergraduate degree in a computational or biological subject	✓			✓
Postgraduate degree in a computational or biological subject			✓	✓
Relevant Experience				
Practical experience in database driven web development	✓			✓
Experience with designing database structures		✓		✓
Experience of working with biological data sources			✓	✓
Experience with working with cheminformatics data			✓	✓
Knowledge & Skills				
Able to demonstrate practical skills in developing web tools in PHP, Perl, Python or similar web development languages	✓			✓
Able to demonstrate practical skills in the use of SQL	✓			✓
Knowledge of HTML and CSS	✓			✓
Able to demonstrate good programming practises for large projects developed across multiple sites.		✓		
An understanding of basic lipid biology			✓	
An understanding of basic statistics			✓	
Able to comprehend and communicate in the English language to a level appropriate for the position	✓			
Excellent interpersonal skills with the ability to communicate with staff at all levels	✓			
Ability to work independently and as part of a team	✓			
Excellent accuracy and attention to detail	✓			
Excellent organisational skills, with good time management	✓			

Personal Attributes & Characteristics				
Willing and able to work collaboratively with developers on remote sites.	✓			
Ability to make independent decisions and solve routine problems	✓			
Self-motivated and adaptable to change	✓			
Willing to work flexibly at times	✓			
Empathy with the life sciences work of the Institute	✓			

The Babraham Institute

LIPID MAPS Web Developer (SA-CU-LMWD)

INFORMATION ON TERMS & BENEFITS

The following is for information only and is not contractual statement of terms and conditions.

Holiday Entitlement	25 days per annum
Bank Holidays	Applicable to England and Wales
Christmas Closure days	3 days
Pension Scheme	<p>Babraham Institute is able to offer membership of a Group Personal Pension Scheme.</p> <p>We will provide you with details of this scheme once you commence work. Membership of the scheme is not compulsory but it is designated as Babraham Institute's Stakeholder exempt plan. The Institute does not make contributions to other personal pension schemes.</p>
Restaurant Facilities	The Refectory serves hot meals and snacks and the Forum provides a selection of snacks and hot and cold beverages for coffee and tea breaks.
Onsite Accommodation	The Institute has a number of hostels, flats and houses which can be rented. (There is currently a waiting list for all types of accommodation.)
Social	Sports & Social Club
Nursery	Nursery and Holidays Playscheme on site. (Availability of places is dependent on demand.)

Car Parking

There is free car parking in the Institute Car Park.

The Institute is committed to the implementation of a commuting strategy to try and reduce the growth in numbers of cars used to travel to work

Any offer of employment will be subject to security screening and may be subject to health screening. Any offer may also be subject to a general medical screening.

