

Informatics Specialist for Bioinformatics

University of Southern California

Requisition ID: 2002411

GENERAL INFORMATION

The University of Southern California Health Sciences Libraries is seeking a creative, enthusiastic, and service-oriented individual to join its bioinformatics service program. Since its inception in 2005, the Norris Medical Library (NML) Bioinformatics Service has provided bioinformatics support to USC faculty, postdoc, staff, and students, and is now one of the leading library-based bioinformatics service programs in the nation. Its recent implementation of an integrated software/hardware solution for the Next-generation sequencing data analysis has become the most used bioinformatics service at USC.

Reporting to the program coordinator, the Informatics Specialist provides educational and consulting support for faculty, postdoc, graduate students, and researchers in the USC scientific community, with a primary focus on the University Park Campus (UPC). For additional information about this program, see the library's web site <http://nml.usc.edu/bioinformatics/>. This position will be the first bioinformatics library specialist located at UPC.

The University of Southern California is one of the world's leading private research universities. An anchor institution in Los Angeles, USC enrolls more international students than any other U.S. university and offers extensive opportunities for internships and study abroad. With a strong tradition of integrating liberal and professional education, USC fosters a vibrant culture of public service and encourages students to cross academic as well as geographic boundaries in their pursuit of knowledge. For more information, visit www.usc.edu. USC is an equal opportunity affirmative action employer that actively seeks diversity in the workplace.

RESPONSIBILITIES

- Provide consulting service for the UPC academic and research science community on the application of bioinformatics tools for their specific research questions.
- Develop and conduct workshops on software and databases relevant to the UPC academic and research science community.
- Assist with the maintenance of NML bioinformatics computing resources, as well as the implementation of open source bioinformatics tools such as our local Galaxy instance
- Provide collaborative genomic data analysis as well as support grant application for UPC principal investigators.
- Manage UPC user access to the licensed bioinformatics software and computing resources; maintain a web site to promote and support the use of our bioinformatics service by UPC academic and research science community.
- Collaborate and support the bioinformatics program at HSC

QUALIFICATIONS

Required: A Master's degree in bioinformatics or computational biology and a bachelor degree in molecular biology, cell biology, biochemistry, microbiology or an equivalent field. At least two years of relevant experience in bioinformatics field. Proficient in biocomputational programming languages such as R, Perl, Python, as well as Linux OS. Solid training in biostatistics. Extensive familiarity with key molecular, genomic, and proteomic databases, as well as with a variety of software tools for manipulation and analyses of these data Demonstrated initiative.

Ability to work independently and collaboratively. Excellent interpersonal and communication skills. Experiences in developing and teaching bioinformatics workshops. Experience in classroom teaching and development of training materials.

Preferred: Ph.D. in bioinformatics OR in life sciences with formal bioinformatics training. Extensive knowledge and experiences of key bioinformatics software (such as Galaxy, Bioconductor, CLC Genomics, QIIME, Partek, Ingenuity Pathways, etc.) for high-throughput molecular data analysis. Experience with data analyses in microbial genomics, metagenomics, population and evolutionary genetics is a major plus. Experience with bioinformatics applications in High-Performance Computing.

STATUS/SALARY

Minimum starting salary \$70,000, adjustable based on qualifications, skillset and experience. This position is a continuing-appointment track, the USC librarian's equivalent to tenure.

BENEFITS

37½ hour week; 22 vacation days; paid sick leave; disability plan; retirement plan (TIAA/CREF and other options); tuition assistance; paid medical, dental and life insurance; credit union; group auto and homeowner's insurance available www.usc.edu/benefits.

How To Apply

Applications must be submitted via USC's online faculty application website: <https://jobs.usc.edu/postings/61820>

As part of the application, candidates must upload in Word or PDF a cover letter and curriculum vitae.

Closing Date: To ensure fullest consideration please apply by March 18, 2016. The position is open until filled.

For more information about this position, contact Leslie Jones, USC Norris Medical Library, (323) 442-1130, email lesliecj@usc.edu.

USC values diversity and is committed to equal opportunity in employment. Members of all racial and ethnic groups are encouraged to apply.