**Computational Scientist (Internal Employment Opportunity)**

**Please see Special Instructions for more details.**

**This is an Internal Employment Opportunity.** To ensure full consideration, applications must be received by December 31, 2017. Applications will continue to be accepted after the full consideration date, until a sufficient applicant pool has been achieved or the position is filled. The closing date is subject to change without notice to applicants. When applying you will be required to attach the following electronic documents: 1) A resume/CV; and 2) A cover letter indicating how your qualifications and experience have prepared you for this position. You will also be required to submit the names of at least three professional references, their e-mail addresses and telephone numbers as part of the application process. For additional information please contact: Brett Tyler at Brett.Tyler@oregonstate.edu OSU commits to inclusive excellence by advancing equity and diversity in all that we do. We are an Affirmative Action/Equal Opportunity employer, and particularly encourage applications from members of historically underrepresented racial/ethnic groups, women, individuals with disabilities, veterans, LGBTQ community members, and others who demonstrate the ability to help us achieve our vision of a diverse and inclusive community. Starting salary within the salary range will be commensurate with skills, education, and experience.

**Position Details**

**Position Information**

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| **Department** | Ctr Excellnce Genome Res (RDR) |
| **Position Title** | Faculty Research Assistant |
| **Job Title** | Computational Scientist (Internal Employment Opportunity) |
| **Appointment Type** | Academic Teaching/Research Faculty |
| **Job Location** | Corvallis |
| **Position Appointment Percent** | 100 |
| **Appointment Basis** | 12 |
| **Faculty Status** | Regular |
| **Tenure Status** | Fixed-Term |
| **Pay Method** | Salary |
| **Recommended Full-Time Salary Range** | Salary is commensurate with education and experience. |
| **Position Summary** | **This is an Internal Employment Opportunity**  The Center for Genome research and Biocomputing (CGRB) invites applications for a full-time (1.0 FTE), 12-month, Computational Scientist Faculty Research Assistant position. Reappointment is at the discretion of the Director.  The mission of the Center for Genome research and Biocomputing (CGRB) is to collaborate with and assist life science researchers who are using genomics and big data to address cutting research questions. An important component of the CGRB’s capabilities is a cutting edge research computing infrastructure including both hardware and software that remove limits and change the scale of research computing. We are an enthusiastic team of data, computer and laboratory scientists serving Oregon State University (OSU) and beyond.  The primary responsibility of this position is to collaborate with a team of computational scientists who research, develop, implement, and maintain biocomputing resources for genomics and computational biology research. Responsibilities include research, design and implementation of information technologies for collecting, moving, storing, analyzing, and disseminating large scale research data sets and experiments. Responsibilities also include researching and implementing new technologies as well as developing and maintaining software used by computational biology researchers. Appointee is required to collaborate in a collegial and inclusive fashion with CGRB staff and clients in the execution of all job functions.  The CGRB interacts with a wide variety of faculty, staff, and students representing a broad range of expertise and cultural backgrounds. This position will support the CGRB’s and the university’s mission of equity, inclusion and diversity by respecting, welcoming and supporting the diverse perspectives of our clientele. |
| **Position Duties** | 70% Biocomputing research  Researches, develops, implements and maintains cutting edge technologies necessary to keep the CGRB core biocomputing facility and its users at the very forefront of computational biology research, including incorporation of new technologies, scripting, running backups, systems administration, and supervising undergraduates This includes researching, developing and maintaining systems that support a 4000 node research cluster and a 6 PB data store with critical uptime, and developing and maintaining similar systems in cloud environments.  30% Bioinformatics research  Collaborate with CGRB clients on funded research projects requiring skills in data science, bioinformatics, computational biology and biocomputing. Includes researching and deployment of new tools and algorithms and contributions to the preparation of grant proposals, writing of publications, and attendance at professional conferences. |
| **Minimum/Required Qualifications** | • Bachelor’s degree in a field of quantitative studies such as computer science, statistics or economics. • At least five years’ experience in programming and systems administration. • Demonstrated proficiency in programming in Linux, Python, C++, and R. • Demonstrated organizational skills and experience, including project and time management. • Demonstrated ability to work independently, using initiative and judgment, in a fast-paced environment. • Excellent communication and interpersonal skill. |
| **Preferred (Special) Qualifications** | • Proficiency in programming in PERL, PHP, Java, C, Docker, SQL, MATLAB, and/or MySQL. • Experience in database development • Experience in building scalable infrastructure to store and backup petabytes of user data with many concurrent connections. • Experience in scaling computing systems sustainably through mechanisms like automation.  • Experience in managing the entire lifecycle of services from inception and design, through deployment, operation and refinement. • Experience in a customer-oriented position supporting scientific research. • A demonstrable commitment to promoting and enhancing diversity. |
| **Working Conditions / Work Schedule** | This position works in an office with a conventional work schedule. |
| **This position requires a clear and unambiguous commitment to compliance of all National Collegiate Athletic Association (NCAA) regulations for Division I (FBS) universities.** | No |

**Posting Detail Information**

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| **Posting Number** | P01776UF |
| **Number of Vacancies** | 1 |
| **Anticipated Appointment Begin Date** | 01/31/2018 |
| **Anticipated Appointment End Date** |  |
| **Posting Date** | 12/01/2017 |
| **Full Consideration Date** | 12/31/2018 |
| **Closing Date** | 12/31/2018 |
| **Indicate how you intend to recruit for this search** | Competitive / Internal |
| **Special Instructions to Applicants** | **This is an Internal Employment Opportunity.**  To ensure full consideration, applications must be received by December 31, 2017. Applications will continue to be accepted after the full consideration date, until a sufficient applicant pool has been achieved or the position is filled. The closing date is subject to change without notice to applicants.  When applying you will be required to attach the following electronic documents:  1) A resume/CV; and  2) A cover letter indicating how your qualifications and experience have prepared you for this position.  You will also be required to submit the names of at least three professional references, their e-mail addresses and telephone numbers as part of the application process.  For additional information please contact: Brett Tyler at Brett.Tyler@oregonstate.edu  OSU commits to inclusive excellence by advancing equity and diversity in all that we do. We are an Affirmative Action/Equal Opportunity employer, and particularly encourage applications from members of historically underrepresented racial/ethnic groups, women, individuals with disabilities, veterans, LGBTQ community members, and others who demonstrate the ability to help us achieve our vision of a diverse and inclusive community.  Starting salary within the salary range will be commensurate with skills, education, and experience. |

**Supplemental Questions**

Required fields are indicated with an asterisk (\*).

1. \* Internal employment opportunities are filled from within the institution by candidates who are current, or recent, members of the OSU Community. Please indicate how you meet this criterion. See: http://hr.oregonstate.edu/jobs/oeshtxt/111 for details.

(Open Ended Question)

**Documents Needed to Apply**

**Required Documents**

1. Resume
2. Cover Letter

**Optional Documents**

1. Professional References