

**Title: Bioinformatics Programmer****Reports to:** Eva Lepisto, VP Informatics**Department: Informatics****Location:** Norwalk, CT (or Remote)**MMRF OVERVIEW:**

A pioneer in precision medicine, the Multiple Myeloma Research Foundation (MMRF) seeks to find a cure for all multiple myeloma patients by relentlessly pursuing innovations that accelerate the development of precision treatments for cancer. Founded in 1998 by Kathy Giusti, a multiple myeloma patient, and her twin sister Karen Andrews as a 501(c)(3) nonprofit organization, the MMRF has created the business model around cancer—from data to analytics to the clinic. The MMRF identifies barriers and then finds the solutions to overcome them, bringing in the best partners and aligning incentives in the industry to drive better outcomes for patients. Since its inception, the organization has collected thousands of samples and tissues, opened nearly 100 trials, helped bring 13 FDA-approved therapies to market, and built CoMMpass, the single largest genomic dataset for any cancer. Today, the MMRF is building on its legacy in genomics and is expanding into immune oncology, as the combination of these two fields will be critical to making precision medicine possible for all patients. The MMRF has raised nearly \$500 million and directs nearly 90% of the total funds to research and related programs. To learn more, visit [www.themmr.org](http://www.themmr.org)

The mission of the MMRF has always been to provide a cure for each and every patient. We know that multiple myeloma is different in every patient. Our goal is to generate and collect as much patient data as possible and make it available to researchers worldwide, to speed new discoveries and propel new clinical options for myeloma patients into the clinic as quickly as possible.

**MMRF Core Values:**

At the MMRF our core values define both who we are and how we work together as an organization. We believe in investing in our team and building a culture that will help us pursue our highest level mission to accelerate a cure for each and every multiple myeloma patient. Our five core values are expressed below:

1. **Prioritize Patients** - Patients are at the center of everything we do. Every decision we make is grounded in the needs and best interests of the patients we serve.
2. **Drive Innovation** - We are committed to pursuing big, bold ideas. Taking risks, trying new approaches, and challenging the status quo are necessary to speed new discoveries.
3. **Deliver Solutions** - Taking on complicated challenges is what sets us apart. To deliver results, we must be decisive, take action, and act with urgency on behalf of the myeloma community.
4. **Do It Together** - We know that together, we are stronger. We work cross-functionally with the entire community to achieve our mission and are invested in the success of others.
5. **Build Trust** - We build trust-based relationships. We advocate for each and every myeloma patient by committing to diversity, equity, and inclusion and treating others with respect.

**Position Overview:**

The successful applicant will work closely with MMRF researchers and academic bioinformaticians to understand and help accomplish their research goals by supporting large-scale multi-institutional myeloma multi-omic data harmonization and analysis pipeline development on cloud environments. This is an infrastructure role supporting MMRF research initiatives.

**Essential Functions:**

- Responsible for understanding and maintaining existing bioinformatics pipelines, improving the technologies when necessary and helping deliver new features and related products. The candidate will eventually support the scripting requirements for multiple research projects.
- Design, implement, maintain, and trouble-shoot standard and customized pipeline workflows for collaborative research projects.
- Collaborate with bioinformaticians to containerize new or existing analysis pipelines, using best practices, including unit testing, automated build processes and code reviews.
- Responsible for the development and maintenance of the MMRF cloud architecture and various pipelines to analyze complex -omics data.
- Provide technical support to end users of pipelines, including creation and maintenance of maintain technical documentation including user guides and standard operating procedures.
- Administer and manage cloud environments for a team of bioinformatics researchers from academic centers vendors, including virtual machines.
- Manage the transfer of complex data set transfers from MMRF partners to MMRF cloud platforms.

**Qualifications:**

- Bachelor's or Master's Degree in Computer Science, Bioinformatics, Computational Biology or a related field.
- 2-5 years of bioinformatics engineering experience building pipelines and working with genomics or other -omic data. in an academic or industry setting.
- Experience working with large-scale biological datasets on cloud platforms (GCP or AWS), experience with cancer data preferred.
- Experience building and supporting cloud (GCP or AWS) infrastructure plus automation a plus.
- Experience with Python, R, AWS, GCP, SQL, and version control in a Unix/cloud environment.
- Familiarity with code versioning tools like GitHub.
- Ability to multi-task and coordinate work on several simultaneous projects, independently.
- Demonstrated ability to collaborate in a team-oriented and fast paced environment.
- Demonstrated ability to communicate and present technical ideas and plans to non-technical stakeholders.

**EEO Statement**

The Multiple Myeloma Research Foundation (MMRF) is an equal opportunity employer and does not discriminate against any candidate based on race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, military and veteran status, sexual orientation, or any other factor protected by federal, state, or local law.