

Job Description

Linux Systems Administrator

The Lady Davis Institute in Montreal, Quebec seeks a full-time High Performance Computing (HPC) Linux System Administrator to manage a small HPC cluster that is used for scientific research, provide technical support and training to researchers, as well as basic data management of research data.

Responsibilities:

- Manage daily operations of the HPC cluster, such as user account creation, ensuring system is operational, and offering technical support to users.
- Develop, implement and maintain data backup policies.
- Consult with research and IT staff to maintain and upgrade software and hardware.
- In consultation with researchers, organize and manage shared research data.
- Through in-person meetings, presenting periodic group tutorials, and writing documentation, assist researchers in learning HPC best-practices, such as use of the job scheduler and data management.
- Implement analytical pipelines for the analysis of research data is an asset.
- Basic technical support for researchers with Linux laptops.

Education and/or Experience:

- An undergraduate degree in computer science or an advanced degree in science.
- Two or more years of experience with independently managing an on-premise HPC resource, including deploying a cluster, monitoring resources, managing job schedulers.
- Experience with Wawulf, Torque/Maui, Slurm and OpenHPC is recommended.
- Experience with compiling and installing open-source software with complex dependencies.
- Experience supporting servers running GNU/Linux, ideally RedHat-based OS.
- Previous experience providing user support in a research environment desired.
- Expertise in bioinformatics methods and workflows is an asset, including experience in R and Python.

Competencies:

- Ability to develop productive relationships with researchers and IT staff.
- Excellent problem solving, project management and communication skills.
- Ability to gather requirements, design and implement HPC systems.

Deadline for application: 4 weeks from posting date

Salary: Commensurate with experience

Start Date: September 1st

Interested candidates are invited to submit a cover letter and CV to the research coordinator Virginia.Cornea@ladydavis.ca.

ELIGIBILITY REQUIREMENTS: applicants must be able to work legally in Canada (Canadian citizens or permanent residents, or work permit)