

Project Manager - Waterborne Pathogens University of Guelph

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Posted May 14, 2024, set to expire Sep. 15, 2024

Job Title	Project Manager - Waterborne Pathogens
Department	School of Environmental Sciences
Institution	University of Guelph Guelph, Ontario
Date Posted	May 14, 2024
Application Deadline	Jun. 15, 2024
Position Start Date	available immediately
Job Categories	Research Scientist/Associate Research Professor Director/Manager
Academic Field(s)	Water Resources Engineering Ecological and Environmental Electrical and/or Electronics Civil Engineering
Job Website	https://www.uoguelph.ca/hr/careers-guelph/current-opportunities/project-manager
Apply By Email	david.mccarthy@uoguelph.ca
Job Description	

Reporting to the Canada Excellence Research Chair in Waterborne Pathogens: Surveillance, Prediction and Mitigation the Project Manager will manage the research program and related projects conducted in the School of Environmental Sciences.

The CERC program will provide integrated solutions for pathogen surveillance, prediction and treatment. It will design, optimize and validate technologies that can, almost in real-time, detect

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pathogens and their sources, with an emphasis on systems that are easy to use, low-cost, open-source and open hardware, enabling their adoption in all parts of the globe. It will develop modelling tools that can represent the sources, fate and transport of pathogens and the risks they pose. Finally, low-cost, green infrastructure treatment systems will be developed and used to reduce pathogen risks during agricultural use, water-based recreation, or consumption.

Responsibilities of the successful candidate will include:

- In conjunction with principal investigator and other collaborators, conceptualizes, recommends, and implements research project plans, business plans, and EDI plan requiring an understanding of the underlying scientific methods and principles and principles of equity diversity, and inclusion.
- Seeks new research opportunities and helps in the development of new projects and proposals
- Develops collaborations and partnerships with other partners, ensure effective research transfer, plays a major role in research collaborations with industry, providing consultation, setting up research trials, negotiating funding support
- Coordinates the activities of research staff and resources to ensure that projects progress in accordance with timelines and project plans
- Troubleshoots problems at all stages of project development and implementation; Assisting other researchers with modifying project plans and/or timelines to address challenges
- Provides financial management by implementing and maintaining research project budgets, often working with multiple research grants and funding sources; Creates financial projections and makes adjustments to research project budgets throughout the year
- Manages research grants in accordance to university and sponsor requirements, ensuring budgetary and EDI plans are followed and grant/contract guidelines are adhered to
- On behalf of the principal investigator, responsible for human resources management of research staff, and for creating a maintaining a culture of inclusion in the workplace;
- Responsible for designing and conducting equitable recruitment and hiring processes, training, mentoring, and supervising research staff, conducting training sessions, managing work performance, and mediating and addressing conflict.

The candidate will require experience in water-related research and have at minimum a Master of Science degree, with a preference for completion of a Doctor of Philosophy, in a related field, including Molecular Microbiology, Civil or Electrical Engineering, or Environmental Sciences. The candidate should also have three years of experience in project management. Knowledge and experience integrating EDI principles into project management would be considered an asset.

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Classification Grant/ Trust fund position, Band P05

[GTP Professional/Managerial Salary Bands](#)

At the University of Guelph, fostering a [culture of inclusion](#) is an institutional imperative. The University invites and encourages applications from all qualified individuals, including from groups that are traditionally underrepresented in employment, who may contribute to further diversification of our Institution.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact David McCarthy
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