

Research Job Description/Posting

Position Title:	Post-Doctoral Fellow
Department:	Forensic Science
Supervisor:	Dr. Arun Moorthy, Assistant Professor, Department of Forensic Science
Status:	Flexible schedule, 2-year Limited Term Position
Salary:	\$65,000 per annum
Location:	Peterborough campus
Start Date:	As soon as possible

Job Summary

Forensic scientists are regularly asked to make difficult decisions using limited information. Our research group is interested in developing computational models, algorithms and software tools that help forensic scientists better understand their data and make informed decisions. We are a multidisciplinary group that equally values creativity and rigor in our research, and we simultaneously pursue scientific insights while producing relevant and usable software tools. For more information about our research group, please visit www.arunmoorthy.ca.

We have an immediate opening for a full-time (35 hrs/week) postdoctoral fellow (PDF) to work on formulating identification criteria for wood species using DART-MS measurements. The PDF will be involved in research design and analysis, and will be expected to contribute to publications, presentations, and software tools. If interested, the PDF will also have opportunities to contribute to other academic activities in the group (e.g., grant writing, student supervision), as well as interact with other research groups at Trent University, and collaborating laboratories around the world.

This unique position is research-intensive (no teaching or service required) and will be of particular interest to scientists interested in pursuing interdisciplinary research work and careers in industry or government laboratories. We offer a competitive salary, a flexible/hybrid schedule, access to excellent computational resources, and several opportunities for professional development and research related travel (including extended visits to collaborating laboratories). This is a 2-year position.

Responsibilities

- Work with Principal Investigator (PI) to outline research goals and approaches.
- Provide bi-weekly status updates to PI.
- Provide quarterly status updates to stakeholders.
- Travel for training and/or research dissemination.
- Contribute to publications and software tools.

Education

PhD or equivalent in a relevant field, including but not limited to analytical chemistry, applied mathematics, bioinformatics, biophysics, chemical engineering, computer science, life science, statistics.

Required Skills and Experience:

- Ability to plan and execute research independently.
- Ability to communicate in English, through written reports and oral presentations.
- Ability to analyze data using R.
- Experience working in Windows and Unix computing environments.
- Experience contributing to software projects, including documentation.
- Demonstrated track record of scientific publications in peer-reviewed journals.
- Experience working in forensic science or other interdisciplinary research areas.

Application Process

Those interested in applying are asked to submit (1) a Cover letter and (2) a Resume by email to:

Dr. Arun Moorthy arunmoorthy@trentu.ca
Subject: "Post-Doctoral Fellow"

Trent University is actively committed to creating a diverse and inclusive campus community and encourages applications from all qualified candidates. Trent University offers accommodation for applicants with disabilities in its recruitment processes. If you require accommodation during the recruitment process or require an accessible version of a document/publication, please contact humanresources@trentu.ca.

We thank everyone who is interested in applying for the position, however, only candidates short-listed for interviews will be contacted.