Laboratory Technician II

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Grant & Trust Administrative & Technical

Laboratory Technician II, Canadian Centre for DNA Barcoding (CCDB)

Centre for Biodiversity Genomics, Biodiversity Institute of Ontario

Temporary full-time from January 9, 2023 to January 8, 2024
Temporary absence of the regular incumbent
Two (2) positions
Hiring #: 2022-0781

Please read the Application Instructions [1] before applying

The Canadian Centre for DNA Barcoding (CCDB, ccdb.ca) is the authoritative provider of DNA-based species identification services with research partners and clients in over 150 institutions across 50 countries. As the principal core facility for the International Barcode of Life multinational consortium (ibol.org), the CCDB processes large numbers of specimens, from tissue sample to DNA barcode, using a wide range of DNA extraction methods and DNA sequencing technologies. To sustain its unrivalled analytical capacity and increasing production goals, the CCDB has immediate, temporary (renewable) vacancy for 2 laboratory technicians.

The individuals will support the front end of the workflow and will be responsible for tissue lysis, DNA extraction, and PCR on daily samples proceeding to DNA sequencing. The individuals will operate various laboratory instruments, including Biomek Liquid Handling robots, and will perform initial data capturing and reporting. The individuals will maintain accurate laboratory records, participate in sample audit and inventories, and comply with health & safety standards and requirements.

Primary responsibilities:

- Prepare, validate, and dispense reagents for high-throughput workflows.
- Execute extraction and purification of high quality DNA and related samples (vouchers) in accordance with laboratory protocols and standard operating procedures for various types of specimens and degrees of tissue preservation.
- Perform established PCR protocols for high throughput amplification of DNA samples using pre-fabricated reagents.
- Prepare customized PCR reagents and execute DNA amplification using modified protocols when required.
- Perform QC protocols including but not limited to PCR check via agarose gels, when required.
- Record and transmit data to LIMS and MS SharePoint systems, and other electronic databases, as required.
- Coordinate with other laboratory members and senior staff for scheduling and performing laboratory preparations and tests.
- Contribute to quality audits and general maintenance of the utilized laboratory space.

Requirements of the position include:

2 to 3 years of post-secondary education, including at least one molecular biology lab course, with some experience required.

Additional requirements: strong attention to detail; proven ability to work efficiently and effectively in high-paced environments; proficiency with standard computer software packages, ability to work under tight deadlines with
minimal supervision; demonstrated organizational, interpersonal and oral/written communication skills; awareness of occupational health & safety and WHMIS in a laboratory environment; self-motivated and able to work collaboratively within a team environment.

Preferred experience: work experience in an accredited facility; experience with nucleic acid sample handling and preparation; experience in one or more molecular biology lab techniques, especially in DNA extraction, PCR and DNA sequencing; experience in automated sample processing using liquid handlers; experience with analysis and interpretation of DNA sequence information using one or more specialized software tools.

Classification  Grant/ Trust fund position, Band B
GTAT (Grant & Trust Administrative and Technical) Salary Grid [2]

At the University of Guelph, fostering a culture of inclusion [3] 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.

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Closing Date: 2022 11 14