General Duty Technologist - Medical Genetics - 7167

Job Type
Regular Full Time

Employee Group
OPSEU

Salary Scale
As per OPSEU Collective Agreement

Hours (subject to change)
37.5 hours per week; rotating shifts (days, evenings, nights, weekend) per operational needs

Organizational Department
Sinai Health -> Mount Sinai Hospital -> Pathology and Laboratory Medicine

Location
Mount Sinai Hospital Campus - Toronto, ON M5G 1X5 CA (Primary)

Travel Requirement
No travel required

Vacancies
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Job Description
Responsibilities include but not limited to:

- Performs Medical Genetic procedures as outlined in the laboratory procedures manual to aid in diagnosis and management of patients.
- Rotates through the laboratory, becoming thoroughly familiar with theory and performance of all procedures and techniques relating to each bench area
- Comprehensive working knowledge of the theory, methodologies and procedures in Medical Genetics to perform analytical testing with accuracy and precision; must demonstrate competency and accountability in decisions and actions.
- Identifies and accurately reports cytogenetic findings using the International System for Human Cytogenetic Nomenclature
- Ensures the accuracy, legibility and completeness of results submitted for reporting where applicable.
- Performs basic troubleshooting of test results, stains, instruments and observes and reports poor results or malfunctions of any equipment to designated technical staff.
- Performs all quality control procedures and basic troubleshooting whenever results are beyond expected or allowable limits according to established protocol.
- Reports unresolved problems to the senior technical or supervisory staff.
- Seeks decision to post-pone in-house testing when immediate repairs are not feasible.
- Accessions and processes specimens in accordance with Standard Operating Procedures (SOPs).
- Prioritizes work and responds to urgent or unpredicted demands for specimen processing or testing
- Reads and maintains understanding of relevant policy and procedure manuals
- Prepare reagents, buffers, calibrators, quality control and other materials as required. Assists in Inventory Control of reagents and supplies
- Reports critical or relevant abnormal results and documents according to the established protocols
- Rotates through relevant areas of the laboratory, acquires familiarity relating to each bench area
- Assists in the maintenance of the work station. Maintains a clean and tidy work area
- Performs the required daily and weekly routine preventative maintenance on equipment, according to the established protocol, and documents these results
- Performs test/procedures related to method evaluation, test optimization and validation
- May work unsupervised during off hour shifts, subject to evaluation of knowledge and competency

- Uses supplies judiciously to eliminate wastage, monitors inventory and orders supplies
- Reports workload units not captured electronically
- Observes and follows the processes, polices and procedures of the quality management system of corresponding discipline(s)
- Performs tests on materials from internal and external quality assurance programs; participates in reviewing quality control
- Assists in orientating and demonstrating procedures or technology to new staff or students as requested
- Follows Universal Body Precautions in handling all specimens received in the laboratory
- Operates, troubleshoots and routine maintenance of laboratory equipment and reports any malfunctions to Senior or Charge technologist promptly
- Exhibits ability to prioritise work and respond to urgent unpredictable demands in STAT results
- Notifies/consults with the Charge technologist or Section Head with abnormal results or other unusual findings immediately
- Assists in demonstrating procedures to new staff, students and fellows
- Knowledgeable of Workplace Hazardous Material Information System (W.H.M.I.S.) and accessibility of Material Safety Data Sheets (M.S.D.S.)
- Participates in annual Safety programs (W.H.M.I.S., Fire Prevention)
- Participates in Continuing Education programs to enhance personal
- Exhibits a co-operative attitude with other staff, congeniality, flexibility in hours of work, reliability, punctuality, ability to work at a variety of duties and flexibility in learning new procedures
- Perform procedures related to analytical testing or processing of patient samples according to established policies and procedures, while ensuring accuracy and precision. Performs advanced and special testing under guidance.
- Responsible for all diagnostic results and sample processing performed by self
- Performs the following techniques as applicable to the testing being performed and interprets results with an understanding of the disease being analyzed:

  - DNA extraction from fresh or frozen blood, fresh, frozen or paraffin-embedded tissue

  - RNA extraction from fresh or frozen blood, fresh or frozen tissue

  - Polymerase Chain Reaction (PCR)

  - Reverse transcription Polymerase Chain Reaction (RT-PCR)

  - Quantitative fluorescent polymerase chain reaction (QF-PCR)

  techniques and analysis

  - Gel electrophoresis and analysis

  - DNA sequencing and analysis

  - Microsatellite Instability Testing (MSI) techniques and analysis

  - Multiplex Ligation-dependent Probe Amplification (MLPA) techniques

  and analysis

  - aCGH techniques and analysis

  - G-banding

- Special stains, FISH and other procedures as required

- microscopic (bright field & fluorescent) analysis of chromosome

preparations

- digital imaging and computer automated karyotyping of chromosome preparations

Job Requirements

- C.S.M.L.S. certified MLT in Cytogenetics and Molecular Genetics
- Technology (Dual License) and a member of the College ofMedical Laboratory Technologists of Ontario (CMLTO)
- Candidates eligible to write the February 2020 Clinical Genetics CSMLS exam may be considered
- Experience in Medical Genetics preferred
- Follows the CMLTO code of professional conduct
- Follows the Code of Professional Conduct of the C.S.M.L.S.
- Demonstrated problem recognition and problem solving skills
- Demonstrated organizational, time management and prioritization skills
- Demonstrated ability to work co-operatively in a team environment
- Demonstrated satisfactory work performance and attendance record
- In accordance with accreditation standards, employment is conditional upon demonstrating proof of visual colour discrimination ability pertinent to the essential duties of the job.

Open Date

5/31/2022

Posting Deadline

6/14/2022

All applications must be submitted by no later than 4:00pm of the posting deadline date. Employment at Sinai Health is conditional upon the verification of credentials, completion of a health review, and demonstrating proof of immunity and vaccination status of vaccine-preventable diseases. All employees and affiliates will follow safe work practices and comply with health and safety policies, procedures and training. To ensure the safety and wellbeing of all our people and patients, Sinai Health has made it a priority to support everyone in getting vaccinated against COVID-19. Consistent with this, our Staff Immunization & Surveillance Policy was recently updated to include the requirement for full vaccination – currently defined as receiving two doses and serving a 14-day waiting period following the second dose – in order to be able to work at Sinai Health. To be compliant with our updated Policy, you must provide proof of dual COVID-19 vaccination, as indicated on the Prospective Immunization and Surveillance Policy Information Sheet, in order to be eligible for employment at Sinai Health. If you believe you are one of the very few people who may require an exemption from vaccination, supporting medical information must be submitted to our Occupational Health department, who will review and assess. Sinai Health is a scent sensitive environment, please refrain from wearing or using scented products while visiting or working at any Sinai Health site.