

# MARGARET L. ILLSON

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111 DOBIE AVENUE ♦ MONT-ROYAL, QUEBEC H3P 1S3 ♦ CANADA

## SUMMARY OF QUALIFICATIONS

- Technological skills including:
  - Mutation analysis utilizing Polymerase Chain Reactions (PCR) methodologies
  - Gas Chromatography / Mass Spectrometry (GC/MS) evaluation of organic acids
  - High Pressure Liquid Chromatography (HPLC) studies of Amino Acids and PKU cofactors
  - Extensive experience with fluorometric, colormetric and radio-immunoassays
  - Continuous flow technologies
  - Iso-electric focusing
  - Sterile technique and tissue culture
- Strong analytical ability to investigate and resolve problems
- Proven ability to provide training and support in a complex environment
- Effective interpersonal and leadership skills
- Wide ranging computer skills to accommodate both office and laboratory needs
- Ability to work independently, make decisions and implement changes

## WORK EXPERIENCE

### LABORATORY TECHNICIAN

*Pediatric Screening – Pittsburgh, PA*

2003 to 2005

*Formally Neo Gen Screening*

2002 TO 2003

A clinical laboratory providing newborn screening for 50+ metabolic disorders.

- Worked simultaneously in three laboratory sections: Biochemistry; Molecular Analysis and Specialty Testing. Initial employee chosen for a cross training program designed to provide flexibility and accommodate the shifting needs of the laboratory. Additionally intended to facilitate the work flow and improve communication between departments.
- Participated in special projects including: development of new screening assays and their integration into daily work flow; established protocols; acted as liaison with consultants.
- Trained new employees for biochemical benches, specimen preparation, reporting results, QC analysis and general lab procedures. Also developed training materials and documented training records.
- Assisted with laboratory management including: coordination of work, setting daily priorities; validation of quality control (QC); maintained and performed minor repairs on equipment: and tracked inventory.
- Employee of the Quarter - Spring 2003

ADMINISTRATIVE ASSISTANT 1999-2001

*Pro Cable Services - Pittsburgh, PA*

Maintained both electronic and paper files for 200+ employees. Conducted pre-employment screening. Managed and documented the maintenance records, ensured valid registrations and developed a vendor list for a fleet of trucks.

Produced and updated company manuals.

Office duties included: wide variety of word processing; phone duties; and travel arrangements.

OFFICE ASSISTANT 1999

*The Secretariette – Pittsburgh, PA*

Managed over twenty phone accounts while prioritizing and completing the word processing needs of both regular and walk-in clients.

LABORATORY TECHNICIAN 1981 - 1984

*Atlantic Antibodies – Portland, ME*

Cell culture studies to optimize the production of monoclonal antibodies.

Production and testing of monoclonal antibodies in mice.

Assisted with development of a monoclonal Hepatitis B detection kit for use under 18 months of age as well as kits used for the detection of a variety of autoimmune diseases using fluorometric and radioimmunoassays.

RESEARCH TECHNICIAN 1978 -1980

*Vince Lombardi Cancer Center – Washington, DC*

Identification and definition of emerging Human Leukocyte Antigens (HLA) loci

Genetic studies correlating HLA type with specific diseases.

RESEARCH AIDE 1978

*National Institutes of Health – Bethesda, MD*

Participated in an embryological study of neural crest cell formation and its anomalies.

## SKILLS

Computer Extensive use of Microsoft Word, Excel, PowerPoint and knowledge of Access.

Personal Reliable, able to track multiple tasks simultaneously, independent decision maker, organized and energetic

## EDUCATION

Bachelor of Science in Biology from Georgetown University in Washington, D.C.

Currently in possession of a Canadian open work permit case type: 20

References provided upon request.