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PROFILE:

Self-motivated, progressive, responsible educator, writer and medical laboratory technologist with 29 years experience in a clinical laboratory, and extensive experience in healthcare quality system development and improvement.

WORK EXPERIENCE:

2007 to Present	<i>Supervisor, HLA and Immunogenetics Department</i> QEII Health Sciences Centre, Halifax, Nova Scotia.
2007 to 2008 Suite101.com	<i>Feature writer, Microbiology Section</i> Media Inc. (http://www.suite101.com)
2006 to 2007	<i>Senior Technologist (full-time), HLA and Immunogenetics Department</i> QEII Health Sciences Centre, Halifax, Nova Scotia.
2004 to 2006	<i>Laboratory Technologist (part-time), HLA and Immunogenetics Department</i> QEII Health Sciences Centre, Halifax, Nova Scotia.
2004	<i>Instructor: Medical Laboratory Technology Diploma Program – Microbiology</i> New Brunswick Community College, St. John, New Brunswick.
2003 to Present	<i>Research Technologist (part-time), Microbiology Department</i> QEII Health Sciences Centre, Halifax, Nova Scotia.
2003 to 2004	<i>Bioterrorism Laboratory Preparedness Facilitator (part-time) – Nova Scotia</i> QEII Health Sciences Centre, Halifax, Nova Scotia.
2003	<i>Facilitator – Sample Collection and Preparation (part-time) – Health Heart Study</i> QEII Health Sciences Centre, Halifax, Nova Scotia.
2000 to Present Halifax,	<i>Partner, Arbique-Rendell Onsite Training & Consulting</i> Nova Scotia
1997 to Present Nova	<i>Curriculum Development and Instructor: Phlebotomy Levels I and II</i> Scotia Community College, Halifax, Nova Scotia.
1996 to 2003	<i>Technical Specialist, Molecular Epidemiology (Microbiology Department)</i> QEII Health Sciences Centre, Halifax, Nova Scotia.
1979 to 1996	<i>Laboratory Technologist, Microbiology Department</i> Halifax Infirmary and QEII Health Sciences Centre, Halifax, Nova Scotia.

RELEVANT SKILLS AND EXPERIENCE:**Communication/Interpersonal Skills**

- Demonstrates diplomacy and persistence in dealing with interpersonal problems arising from protocol and procedural changes.
- Utilizes creativity, resourcefulness and enthusiasm in teaching and motivating peers and team members.
- Ability to communicate and work effectively and enthusiastically as a member of a workplace team, various professional teams and committees with diverse representation (government, professional and industry).
- Proactively participated in two hospital amalgamations (1991 and 1996).
- Positive attitude and works co-operatively with others.
- Strong decision making skills and professional mannerism.

Organizational/Planning Skills

- Develops and coordinates continuing education sessions for community colleges, nursing homes, and other members of the healthcare team.
- Flexibility and organizational skills established in fulfilling employment responsibilities and contributing volunteer time to related activities.
- Demonstrates analytical, trouble-shooting, research and presentation skills while working on research and surveillance activities.
- Responsible for developing and implementing new testing procedures and protocols.
- Coordinates and performs multiple tasks in diverse and changing environments.

Laboratory Technical Skills

- Extensive experience in all areas of clinical bacteriology laboratory, including manual and automated methods.
- Extensive experience in parasitology, and diagnostic and epidemiologic microbiology molecular methods.
- HLA tissue typing experience – serological, molecular and flow cytometric procedures.
- Extensive experience with computerized laboratory information systems (specifically Cerner system).

Quality System Initiatives/Skills

- Experienced with occurrence management and quality management system tools including development and control of process and procedure documents.
- Working knowledge of failure mode and effects analysis, fault tree analysis, and hazard analysis and critical control.
- Dedicated to continual quality improvement and client/employee/public safety.
- Ability to work and communicate effectively as a member of a multi-disciplinary team or committee.

Research Skills

- Experience with research design, setup, data interpretation, statistical analysis, reporting, presentation and publication.
- Experienced in research project supervision.
- Works effectively without supervision, and as a member of a research team.
- Communicates and collaborates effectively with other research teams.

Occupational Health and Safety

- Co-developed WHMIS training program in use at Capital District Health Authority (CDHA) facilities.
- Delivered WHMIS training sessions to new employees of CDHA (1988-2003).
- WHMIS trainer for the Department of Microbiology, Halifax Infirmary and QEII Health Sciences Center (1988-2003).
- Member, Laboratory Safety Committee (1988-2000).
- Nova Scotia Representative for Health Canada Laboratory Bioterrorism Preparedness (2003-2004).
- Co-developed laboratory protocols for Tier I and Tier II laboratories (bioterrorism preparedness) (2003-2004).
- Instructed laboratory personnel in the Province of Nova Scotia on recognition, testing, communication and follow-up of potential bacterial agents of bioterrorism (2003-2004).
- Develop and deliver courses on universal and standard precautions, and risk reduction in sharps handling and exposure to blood-borne pathogens.

Computer Skills/Automation

- Have excellent computer skills in Windows-based programs including Word, Excel, Power Point and Pagemaker and easily learn new software programs.
- Utilize understanding and problem-solving skills with laboratory information and other computer systems.

Supervisory Skills

- Extensive experience in technical documents preparation.
- Monitors accuracy of patient reports, develops and upgrades laboratory manuals, evaluates new diagnostic test procedures, and trouble-shoots existing procedures.
- Prepared staff schedules, monitored quality control programs, and generated statistical data as senior technologist.
- Demonstrates supervisory abilities in the areas of maintenance of staff records, performance appraisals, and preparation of payroll records, inventory control, budgeting, etc.

Educator

- Global Health Initiative, Clinical and Laboratory Standards Institute (CLSI), Cote d'Ivoire (July 2008).
- Presenter and workgroup facilitator, Clinical and Laboratory Standards Institute (CLSI), SOP Development Workshop, Tanzania (February 2007).
- Development of e-learning courses for healthcare professionals (www.arotraining.com).
- Development and presentation of customized training sessions and workshops for health professionals.
- Proponent of continuing education and life-long learning initiatives.
- Instructor, Phlebotomy part-time studies courses, Nova Scotia Community College (1996-Present).
- Development and instruction of in-services to workplace nursing and laboratory staff.
- Member, Nova Scotia Society of Medical Laboratory Technologists Education Committee (1997).
- Laboratory Trainer for Workplace Hazardous Materials Information System, QEII Health Sciences Centre (1988-2003).
- Laboratory safety trainer (1988-96) and WHMIS trainer (1988-2003).
- Member, Advisory Board for School of Medical Health Sciences (1994-96).

Publications/Presentations

- 22nd Advanced HLA Technical Workshop. (February 2008). Case Studies.
- Nursing 2007. (November 2007) (37(11):20-21). Reducing the risk of nerve injuries.
- American Society of Microbiology conference (Orlando, FLA). Poster Presentation: Evaluation of the Copan M40 and Starplex Amies Transport Systems' Potential to Prevent Overgrowth of Aerobic Organisms During Simulated Transport (C-099) (May, 2006).
- American Society of Microbiology conference (Orlando, FLA). Poster Presentation: Evaluation of the Copan M40 and Starplex Amies Transport Systems' Potential to Maintain the Viability of Aerobic Fastidious Organisms During Simulated Transport (C-101) (May, 2006).
- European Committee of Clinical Microbiology and Infectious Disease (ECCMID) conference (Nice, France). Poster Presentation: Evaluation of accuracy limits of countable colony-forming units on agar plates (P-1725) (April, 2006).
- Maritech Conference 2004. Oral Presentation: Laboratory Bioterrorism Preparedness (Nov 2004), Halifax, NS.
- Journal of Clinical Microbiology (Oct 2004) (42(10):4686-4696). Accuracy of Phenotypic and Genotypic Testing for Identification of *Streptococcus pneumoniae* and Description of *Streptococcus pseudopneumoniae* sp. nov. (<http://jcm.asm.org/cgi/content/full/42/10/4686?view=long&pmid=15472328>).
- Nursing2003. (June 2003)(33(6):32hn1-32hn4). Stop UTIs in their tracts. (http://www.nursing2005.com/library/JournalArticle.asp?Article_ID=413680).
- European Committee of Clinical Microbiology and Infectious Disease (ECCMID) conference (Glasgow, Scotland). Poster Presentation: Comparison of Methodologies for Anaerobic Organisms Described in NCCLS Document M40-P, Quality Control of Microbiological Transport Devices (P-652) (2003).
- American Society of Microbiology conference (Washington, DC). Poster Presentation: Comparison of Methodologies Described in NCCLS Document M40-P, Quality Control of Microbiological Transport Devices (C-040) (2003).
- Prince Edward Island Society of Medical Laboratory Sciences Conference (Charlottetown). Oral Presentation: Blood Collection Updates (2002).
- Canadian Association of Clinical Microbiology and Infectious Diseases Conference (Halifax). Poster Presentation: Early Experience with 16S rRNA Gene Sequencing for the Identification of Bacterial Pathogens (2002).
- Canadian Association of Clinical Microbiology and Infectious Diseases Conference (Halifax). Oral Presentation: Validation of Methodologies Described in NCCLS Document M40-P Quality Control of Microbiological Transport Devices (2002).
- Pharmasave Atlantic Diabetes Conference (Dartmouth). Oral Presentation: Point-of Care Testing (2002)
- Infection Control Association of Nova Scotia Conference (Dartmouth). Oral Presentation: Asymptomatic Bacteriuria in the Elderly Long-Term Care Resident (2002).
- Medical Laboratory Observer. "The Community Phlebotomy Response Plan: How does your facility measure up?" (July 2002). (<http://www.mlo-online.com/articles/mlo0702phlebotomy.htm>)
- Phlebotomy Conference (Halifax). Oral Presentations: Blood Collection Updates and Blood Culture Collection (2002).
- New Brunswick Society of Medical Laboratory Technologists Technical Days (Saint John, N.B.). Oral Presentation: MRSA Roundtable Discussion (May 2001).

Publications/Presentations (cont'd)

- Canadian Society of Medical Laboratory Sciences Conference (Saint John's, Nfld.). Oral Presentation: Asymptomatic bacteriuria in the elderly long-term-care resident (June 2001).
- Journal of Diagnostic Microbiology and Infectious Disease. "Comparison of the Velogene Rapid MRSA Identification Assay, Denka MRSA-Screen Assay, BBL Crystal MRSA ID System, and PCR for rapid identification of methicillin-resistance in *Staphylococcus aureus*" (July 2001).
- 40th Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), Toronto. Poster Session: "The Activity of BMS-284756, a Novel DES-(6)F-Quinolone, Against Ciprofloxacin Susceptible and Non-susceptible *Streptococcus pneumoniae*." (2000).
- 40th Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC), Toronto. Poster Session: (Levofloxacin treatment failure of pneumococcal pneumonia and development of resistance during therapy. (2000).
- Journal of Diagnostic Microbiology and Infectious Disease. "Intra and inter technologist variability in the quality assessment of respiratory tract specimens." (August 2000).
- American Society of Microbiology Conference (Los Angeles). Poster session: Erythromycin and clindamycin resistance in isolates of Group A *Streptococcus* (GAS) in Halifax (May, 2000).
- American Society of Microbiology Conference (Los Angeles). Poster session: Comparison of the Velogene Rapid MRSA Identification Assay, Denka MRSA-Screen Assay, BBL Crystal MRSA ID System, and PCR for rapid identification of methicillin-resistance in *Staphylococcus aureus* (May, 2000).
- Journal of Diagnostic Microbiology and Infectious Disease. "Evaluation of four commercial transport media for the survival of *Neisseria gonorrhoeae*" (March, 2000).
- Canadian Association of Clinical Microbiology and Infectious Diseases Conference (Edmonton). Poster session: Erythromycin and clindamycin resistance in pharyngeal isolates of Group A *Streptococcus* (GAS) in Halifax (Nov 1999).
- Journal of Infection Control. "Cumulative Yield of Surveillance Cultures in a Hospital Out-break of MRSA." (1997).
- Canadian Journal of Medical Technology. "Take Control of Quality!" (1994).

Publication Links :

<http://scholar.google.com/scholar?q=%22author%3AJ.%20C.+author%3AArbique%22>

[http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=search&db=pubmed&term=Arbique+JC\[au\]&dispmax=50](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=search&db=pubmed&term=Arbique+JC[au]&dispmax=50)

http://www.nursing2005.com/library/JournalArticle.asp?Article_ID=413680

<http://www.mlo-online.com/articles/mlo0702phlebotomy.htm>

<http://www.copaninnovation.com/html/studies06.html>

<http://www.copaninnovation.com/html/studies03.html>

<http://microbiology.suite101.com>

EDUCATION:

- 2000 to 2004 **Bachelor of Allied Health Science degree, Medical Laboratory Technology**
Dalhousie University, Halifax, Nova Scotia
- 2002/2004/2008 **Continuing Education Credit Certificate**
Nova Scotia Society of Medical Laboratory Sciences
- 1995 **Competence Assurance Certificate**
Canadian Society of Laboratory Technologists
- 1986 **Advanced Certification, Clinical Microbiology**
Canadian Society of Laboratory Technologists
- 1979 **General R.T.**
Nova Scotia Institute of Technology and Halifax Infirmary School of Medical Laboratory
Technology, Halifax, Nova Scotia

PROFESSIONAL DEVELOPMENT:

- **22nd Advanced HLA Technical Workshop**, One Lambda (February 2008).
- **Advanced Luminex Workshop**, One Lambda (August 2007)
- **Emory Hospital HLA Laboratory**, Atlanta (September 2007)
- **Accreditation Canada Surveyor Training**, Accreditation Canada (February 2007).
- **Pre-analytical Variables**, Clinical and Laboratory Standards Institute (CLSI) (Spring 2007).
- **Advanced LABMAS Workshop**, One Lambda Inc. (August 2007).
- **Risk Management Tools for Improved Patient Safety Workshop**, Clinical and Laboratory Standards Institute 2006 Leadership Conference (CLSI) (April 2006).
- **Basic Histocompatibility Course**, South Eastern Organ Procurement Foundation (SEOPF) (2005).
- **The New Poor Man's Guide to the Regulations (CLIA '88, JCAHO, CAP and COLA)**. (CACMLE) (2005).
- **The Bacterial Agents of Bioterrorism**. (CACMLE) (2004).
- **Transportation of Dangerous Goods**, Atlas Compliance Company Limited. (2004).
- **Hemochromatosis**, QEII Health Sciences Centre. (2004).
- **Epidemiological Approach to Chronic Disease**, Dalhousie Univeristy (2004).
- **Quality Management**, Dalhousie University (2004).
- **Leadership in Health Care**, Dalhousie University (2003).
- **Reflective University Teaching**, Dalhousie University (2003).
- **Health Law for Non-lawyers**, Dalhousie University (2003).
- **Communication, Group Dynamics and Leadership**, Dalhousie University (2002).
- **Canadian Health Care Delivery System**, Dalhousie University (2002).
- **Point of Care Testing Evaluator**, American Society of Clinical Pathologists (2001).

PROFESSIONAL AFFILIATIONS

2007 to Present	Subcommittee Member, Clinical and Laboratory Standards Institute (CLSI), Global Health Initiative.
2005 to 2006	Subcommittee Member, Clinical and Laboratory Standards Institute (CLSI), revision of standards for Point-of-Care <i>In-Vitro</i> Diagnostic (IVD) Testing.
2005 to present	Area Committee Observer, Clinical and Laboratory Standards Institute (CLSI) Point-of-Care Testing.
2004 to 2007	Subcommittee Observer, Clinical and Laboratory Standards Institute (CLSI) Principles and Procedures for Blood Cultures. Development of guidelines for Principles and Procedures for Blood Cultures.
2002 to 2006	Subcommittee Member, Clinical and Laboratory Standards Institute (CLSI), revision of guidelines for Molecular Diagnostic Methods for Infectious Diseases (MM3-A2).
2002 to 2007	Subcommittee Member, Clinical and Laboratory Standards Institute (CLSI), development of standards for Sample Collection and Transport for Molecular Test Methods (MM13-A).
2002 to 2007	Advisor, Clinical and Laboratory Standards Institute (CLSI), development of standards for Bacterial Strain Typing; Point-of-Care Testing; and Blood Culture Collection and Processing.
1999 to 2004	Co-Chair, Clinical and Laboratory Standards Institute (CLSI), development of standards for Quality Control of Microbiological Transport Devices
1998 to 2004	Member, American Society of Microbiology (ASM).
1996 to 1998	Regional Director, Nova Scotia Society of Medical Laboratory Technologists (NSSMLT).
1993 to Present	Clinical Laboratory Scientist, National Certification Agency (NCA).
1979 to Present	Member, Nova Scotia Society of Medical Laboratory Technologists (NSSMLT).
1979 to Present	Member, Canadian Society of Medical Laboratory Sciences (CSMLS).

Awards and Presentations

2003	Canadian Association of Pathologists: Medical Technologist Award for Continuing Professional Development.
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