

Frances J. Williams, MBA, MT (ASCP)

Work: (248) 424-5326, e-mail: Frances.Williams@providence-stjohnhealth.org

Education: Current: Master's Program in Community Medicine, Wayne State University

Master of Business Administration, September 1995
Specialization in Management Information Systems
Oakland University, Rochester, MI 48309-4401

Bachelor of Science, June 1986
Specialization in Medical Laboratory Sciences
Oakland University, Rochester, MI 48309-4401

Certification Program, August 1998
Molecular Laboratory Diagnostics, Michigan State University

Awards: Lorenz Writing Award, graduate degree, 1995
Graduated magna cum laude, undergraduate degree, 1995
Dr. Donald H. Kaump Memorial Scholarship Award, 1987

Certification: Medical Technologist, October 1987 (American Society of Clinical Pathologists)

Experience: Providence Hospital – Laboratory, August 1986-June 1994
Clinical Chemistry, Hematology, Coagulation, Urinalysis, and Microbiology-- utilizing multiple automated instruments and techniques.

Medical Education Research— August 1993 to present

- DNA extraction, restriction endonuclease digestion, PCR
- protein expression techniques, gel electrophoresis, Western blot and immunodetection techniques, (ELISA)
- cell culture and immunohistochemistry techniques for various (tumor) cell lines
- growth of human tumor infiltrating lymphocytes (TIL) for patient infusion
- monitoring the records of our institutional review board for clinical trials to ensure compliance with institutional guidelines and FDA requirements

Resident Research—planning and design of research projects

- development of sample preparation and testing protocols
- data collection, organization and analysis
- participation and editing of abstracts, presentations and scientific publications

Administrative— Organization and management of laboratory facilities :
- monitoring, maintenance, repair and purchase of equipment and supplies
- records related to inventory, safety and regulatory issues
- planning and design of space allocation and equipment for new facility.

Externs— Act as mentor for volunteers and university level science students:
- Orientation to the research laboratory and educational aspects of the hospital
- Develop schedule of projects and activities
- Educate, assist and monitor volunteer and student research activities

Experience: (cont.)

December 1987-1991

Eye Research Institute - Oakland University

Research Technologist: corneal physiology

- research and development of procedures applicable to cornea physiology--

- biochemical analysis of tissue, fluids and blood

- measurement of corneal physiology and metabolism

- tissue preparation for light and electron microscopy

- photography and darkroom experience

- administration and lab management-- biochemical procedures, maintain financial records, supplies, equipment and safety protocols

Professional Organizations: American Society for Medical Technology

American Society of Clinical Pathologists

Oakland University Alumni Association

Toastmasters International - speaking and leadership

Publications:

Effect of mitomycin C on keloid fibroblasts: an in vitro study, Simman, R., Alani, H., Williams, F., *Annals of Plastic Surgery*, 50(1):71-6, Jan. 2003..

Abstracts:

[1] Radiation induced degradation of cyclin A and its relationship to G1 arrest in a human malignant glioma line, McLaughlin, P.W., Chelladurai, M., Hartment, T., Williams, F.J., Boothman, D., Ethier, S., *American Society of Therapeutic Radiation Oncology*, 1994.

[2] Antiproliferative effect of all *trans*- retinoic acid (ATRA) in combination with interferons on human renal cell adenocarcinoma (hRCC) lines *in vitro*. Nayak, B., Boppana, S., Drelichman, A., Al-Sarraf, M., Loboeki, C., Williams, F., Chelladurai, M., *Providence Hospital Resident Research Day*, p 10, 1996.

- [3] Adoptive Immunotherapy in a community hospital setting., Chelladurai, M., Loboeki, C., Williams, F., Remer, S., Narang, S., Drelichman, A., Society for Biological Therapy, 1996.
- [4] Drug-dependent asynchrony of p53 levels and cell death in human renal carcinoma cells, Roy, D., Nayak, B., Williams, F., Boppana, S., Drelichman, A., O'Connor, M., Chelladurai, M., Providence Hospital Resident Research Day, p.12, 1998.
- [5] Effect of different immunomodulators on major histocompatibility complex (MHC) antigen expression in tumor cells derived from renal cell carcinoma (RCC), Fouad Alereidi, M.D., Frances Williams, M.T., Boris Silberberg, M.D., Anibel Drelichman, M.D., Mohan Chelladurai, Ph. D., Providence Hospital Resident Research Day, p.7, 1999.
- [6] Effect of retinoids on renal cell carcinoma cells sensitized by interferon alpha-2b, Jihad Khattab, M.D., Frances Williams, M.T., Manjula Tapolingam, Mohan Chelladurai, Ph. D., and Anibal Drelichman, M.D., Providence Hospital Resident Research Day, p. 17, 1999.
- [7] Prognostic value of CD 56 expression in multiple myeloma, Malgorzata Sobilo, M.D., Dhananjay Kumar, M.D., Frances Williams, M.T., Sudha Narang, M.D., Mohan Chelladurai, Ph. D., Jennifer Holt, M.D., Providence Hospital Resident Research Day, p 14, 2000.
- [8] The effect of capsaicin ointment on skin for the survival of a cutaneous flap, Takeshi Miyawaki, M.D., Lee Andrus, L.V.T., Frances Williams, M.T., Melinda Bradford, L.V.T., Ian Jackson, M.D., Providence Hospital Resident Research Day, p 3, 2000.
- [9] The effect of mitomycin-c on keloid fibroblasts: An invitro study, Richard Simman, M.D., Frances Williams, M.T., Hashim Alani, M.D., Providence Hospital Resident Research Day, p 20, 2001.
- [10] A comparative assessment of safety and cost for deep sedation in electrical cardioversion by anesthesiologist versus electrophysiologist, Debajit Roy, M.D., Aamir Hameed, M.D., Aaron Alper, Frances Williams, M.T., Vicki Liddon, C.V.T., Christian machado, M.D. Providence Hospital Resident Research Day, p22, 2001.
- [11] Prognostic value of CD28 expression in multiple myeloma, Rahendra K. Manam, M.D., Rajesh C. Joseph, M.D., Frances Williams, M.T., Sudha Narang, M.D., Mohan Chelladurai, Ph.D., Haythem Ali, M.D., Providence Hospital Resident Research Day, p29, 2001.

[12] The cell cycle response of keloid fibroblasts to high energy photon therapy, Andrea Moreira, M.D., Frances Williams, M.B.A., Patrick W. McLaughlin, M.D., Rebecca Studinger, M.D., Ian T. Jackson, M.D., Providence Hospital Resident Research Day, p15, 2002.

[13] To be...or not to be...on clinical pathways...that is the question. Use of a clinical pathway to improve management of congestive heart failure, Jason Alper, D.O., Nilam Ravel, M.D., Frances Williams, M.B.A., (honorable mention-data analysis), Providence Hospital Resident Research Day, p21, 2002.

[14] Outpatient follow-up of neonatal jaundice, Naz Wahab, M.D., Sandy Abdelall, M.D., Frances Williams, M.T. and Thomas Anan, M.D., Providence Hospital Resident Research Day, p1, 2003.

[15] Use of mitomycin-c in the prevention of keloid formation, James Lee, M.D., Catherine Loboeki, M.S., Frances Williams, M.T., Lee Andrus, L.V.T., Milessa Gilsdorf, L.V.T., Henry Liu, M.D., Boris Silberberg, M.D. and Hashim Alani, M.D., Providence Hospital Resident Research Day, p7, 2003.

[16] Striae distensae. The role of transforming growth factors in their development, Hanadi Bu-Ali, M.D., Andrea Moreira-Gonzalez, M.D., Frances Williams, M.T., Boris Silberberg, M.D., C. Repp, M.S., and Vijay Mittal, M.D., Providence Hospital Resident Research Day, p9, 2003.

[17] Clinical outcome in cranioplasty: critical review in long-term follow-up, Andrea Moreira-Bonzalez, M.D., Frances Williams, M.T., Vincent DiNick, M.D., and Ian T. Jackson, M.D., DSc(Hon), FCRS, FACS, FRACS(Hon), Providence Hospital Resident Research Day, p10, 2003.

[18] Secondary prevention of myocardial infarction using statin therapy, Sylvia Boloczko, M.D., Marwan Hammoud, M.D., Frances Williams, M.T., and Thomas Anan, M.D., Providence Hospital Resident Research Day, p13, 2003.

[19] Evaluation of a chondro-collagen matrix in the biosynthesis of a cartilage substrate "*in vitro*", Andreas Nikolis, M.D., Andrea Moreira-Gonzalez, M.D., Frances Williams, M.T., Boris Silberberg, M.D., and Ian T. Jackson, M.D., DSc(Hon), FCRS, FACS, FRACS(Hon), Providence Hospital Resident Research Day, p18, 2003.

[20] Evaluation of methylmethacrylate adhesion: a comparison of direct onlay versus screw anchoring techniques, Kaiulani Morimoto, M.D., Andreas Nikolis, M.D., Frances Williams, M.T., Boris Silberberg, M.D., Andrea Moreira-Gonzalez, M.D., and Ian T. Jackson, M.D., DSc(Hon), FCRS, FACS, FRACS(Hon), Providence Hospital Resident Research Day, p23, 2003.