

Paul K. Wallace, PhD has served since 2003 as Director of the Flow and Image Cytometry Department and is Professor of Oncology at Roswell Park Cancer Institute (RPCI) in Buffalo, NY. He is also Associate Professor of Microbiology & Immunology, Dartmouth College, Hanover, NH and Associate Professor of Biotechnical and Clinical Laboratory Sciences, University at Buffalo, Buffalo, NY. Dr. Wallace is currently the International Society for Advancement of Cytometry President Elect, an International Clinical Cytometry Society councilor and Associate Editor of Clinical Cytometry B.

Under his direction, the Flow and Image Cytometry Department at Roswell Park offers a strong combination of both clinical and research missions. The department's clinical emphasis is on the diagnosis and monitoring of patients with leukemia and lymphoma. In addition, it serves as a core reference facility performing immunophenotyping and immune monitoring studies on samples from patients enrolled in clinical trials for several bio-tech and grant-funded organizations. The department's research focus is on myeloid cell biology and translational cancer research utilizing flow cytometry.

Before joining Roswell Park, Dr. Wallace was an Assistant Professor of Immunology at Dartmouth Medical School, Hanover NH (1993-2003), a cofounder of Zynaxis Cell Science, Inc., Malvern PA (1988-1991), and the Supervisor of Flow Cytometry at SmithKline (now Quest) Clinical Laboratories King of Prussia, PA (SKCL; 1979-1988). He is internationally recognized for his commitment to flow cytometric education and has been a member of ISAC's Educational Task Force/Committee since its inception in 2006 and of the ICCS Education committee since 2003. He is a consultant with ASCP and CDC's PETFAR (U.S. President's Emergency Plan for AIDS Relief), for which he has developed and presented CD4 training programs in Nigeria, India, Mozambique and Vietnam. Since 1994 he has also been on the faculty of the Bowdoin/New Mexico Annual Course in Methods and Applications of Cytometry.

References:

1. Dextramer reagents are effective tools for quantifying CMV antigen-specific T cells from peripheral blood samples. Tario JD, Jr., and others. Cytometry B Clin Cytom 2015;88:6-20.

2. Reagents and Cell Staining for Immunophenotyping by Flow Cytometry. Tario Jr. JD, Wallace PK. In: McManus LM, Mitchell RN, editors. Pathobiology of Human Disease. San Diego: Elsevier; 2014. p 3678-3701.

3. Flow cytometry detection of minimal residual disease in multiple myeloma: Lessons learned at FDA-NCI Roundtable Symposium. Landgren O and others. Am J Hematol 2014.

4. Human ovarian tumor ascites fluids rapidly and reversibly inhibit T cell receptor-induced NF-kappaB and NFAT signaling in tumor-associated T cells. Simpson-Abelson MR and others. Cancer Immun 2013;13:14.

5. Optimized Staining and Proliferation Modeling Methods for Cell Division Monitoring using Cell Tracking Dyes. Tario JD, Jr. and others. J Vis Exp 2012.

6. Flow cytometry as a diagnostic tool in lymphomatous or leukemic meningitis: Ready for prime time? Ahluwalia MS and others. Cancer 2012;118:1747-1753.