

Luminex Bibliography¹ (Peer-Reviewed Publications)

- Armstrong, B., M. Stewart, and A. Mazumder. 2000. Suspension arrays for high throughput, multiplexed single nucleotide polymorphism genotyping. *Cytometry* **40**: 102-108.
- Bellisario, R., R.J. Colinas, and K.A. Pass. 2000. Simultaneous measurement of thyroxine (T₄) and thyrotropin (TSH) from newborn dried blood-spot specimens using a multiplexed fluorescent microsphere immunoassay. *Clinical Chemistry* **46**: 1422-1424.
- Bellisario, R., R.J. Colinas, and K.A. Pass. 2001. Simultaneous measurement of antibodies to three HIV-1 antigens in newborn dried blood-spot specimens using a multiplexed microsphere-based immunoassay. *Early Human Development* **64**: 21-25.
- Biagini, R.E., D.M. Murphy, D.L. Sammons, J.P. Smith, C.A.F. Striley, and B.A. MacKenzie. 2002. Development of multiplexed fluorescence microbead covalent assays (FMCAs) for pesticide biomonitoring. *Bulletin of Environmental Contamination and Toxicology* **68**: 470-477.
- Cai, H., P.S. White, D. Torney, A. Deshpande, Z. Wang, B. Marrone, and J.P. Nolan. 2000. Flow cytometry-based minisequencing: A new platform for high-throughput single-nucleotide polymorphism scoring. *Genomics* **66**: 135-143.
- Carson, R.T. and D.A.A. Vignali. 1999. Simultaneous quantitation of 15 cytokines using a multiplexed flow cytometric assay. *Journal of Immunological Methods* **227**: 41-52.
- Chen, J., M.A. Iannone, M.-S. Li, J.D. Taylor, P. Rivers, A.J. Nelson, K.A. Slentz-Kesler, A. Roses, and M.P. Weiner. 2000. A microsphere-based assay for multiplexed single nucleotide polymorphism analysis using single base chain extension. *Genome Research* **10**: 549-557.
- Colinas, R.J., R. Bellisario, and K.A. Pass. 2000. Multiplexed genotyping of beta-globin variants from PCR-amplified newborn blood spot DNA by hybridization with allele-specific

oligodeoxynucleotides coupled to an array of fluorescent microspheres. *Clinical Chemistry* **46**: 996-998.

Dasso, J., J. Lee, H. Bach, and R.G. Mage. 2002. A comparison of ELISA and flow microsphere-based assays for quantification of immunoglobulins. *Journal of Immunological Methods* **263**: 23-33.

Dunbar, S.A. and J.W. Jacobson. 2000. Application of the Luminex LabMAP in rapid screening for mutations in the cystic fibrosis transmembrane conductance regulator gene: A pilot study. *Clinical Chemistry* **46**: 1498-1500.

Dunbar, S.A., C.A. Vander Zee, K.G. Oliver, K.L. Karem, and J.W. Jacobson. 2003. Quantitative, multiplexed detection of bacterial pathogens: DNA and protein applications of the Luminex LabMAP™ system. *Journal of Microbiological Methods* **53**: 245-252.

Earley, M.C., R.F. Vogt, H.M. Shapiro, F.F. Mandy, K.L. Kellar, R. Bellisario, K.A. Pass, G.E. Marti, C.C. Stewart, and W.H. Hannon. 2002. Report from a workshop on multianalyte microsphere assays. *Cytometry* **50**: 239-242.

Fulton, R.J., R.L. McDade, P.L. Smith, L.J. Kienker, and J.R. Kettman Jr. 1997. Advanced multiplexed analysis with the FlowMetrix™ system. *Clinical Chemistry* **43**: 1749-1756.

Gordon, R.F. and R.L. McDade. 1997. Multiplexed quantification of human IgG, IgA, and IgM with the Flowmetrix system. *Clinical Chemistry* **43**: 1799-1801.

Iannone, M.A. 2001. Microsphere-based molecular cytometry. *Clinics in Laboratory Medicine* **21**: 731-742.

Iannone, M.A., T.G. Consler, K.H. Pearce, J.B. Stimmel, D.J. Parks, and J.G. Gray. 2001. Multiplexed molecular interactions of nuclear receptors using fluorescent microspheres. *Cytometry* **44**: 326-337.

Iannone, M.A., J.D. Taylor, J. Chen, M.-S. Li, P. Rivers, K.A. Slentz-Kesler, and M.P. Weiner. 2000. Multiplexed single nucleotide polymorphism genotyping by oligonucleotide ligation and flow cytometry. *Cytometry* **39**: 131-140.

de Jager, W., H. te Velhuis, B.J. Prakken, W. Kuis, and G.T. Rijkers. 2003. Simultaneous detection of 15 human cytokines

in a single sample of stimulated peripheral blood mononuclear cells. *Clin Diagn Lab Immunol* **10**: 133-139.

- Janossy, G., H.V. Jani, M. Kahan, D. Barnett, F. Mandy, and H. Shapiro. 2002. Precise CD4 T-cell counting using red diode laser excitation: For richer, for poorer. *Cytometry* **50**: 78-85.
- Jones, L.P., H.-Q. Zheng, R.A. Karron, T.C.T. Peret, C. Tsou, and L.J. Anderson. 2002. Multiplex assay for detection of strain-specific antibodies against the two variable regions of the G protein of Respiratory Syncytial Virus. *Clin Diagn Lab Immunol* **9**: 633-638.
- Joos, T.O., D. Stoll, and M.F. Templin. 2002. Miniaturised multiplexed immunoassays. *Current Opinion in Chemical Biology* **6**: 76-80.
- Keij, J.F. and J.A. Steinkamp. 1998. Flow cytometric characterization and classification of multiple dual-color fluorescent microspheres using fluorescence lifetime. *Cytometry* **33**: 318-323.
- Kellar, K.L. and M.A. Iannone. 2002. Multiplexed microsphere-based flow cytometric assays. *Experimental Hematology* **30**: 1227-1237.
- Kellar, K.L., R. Kalwar, R., K.A. Dubois, D. Crouse, W.D. Chafin, and B.-E. Kane. 2001. Multiplexed fluorescent bead-based immunoassays for quantitation of human cytokines in serum and culture supernatants. *Cytometry* **45**: 27-36.
- Kettman, J.R., T. Davies, D. Chandler, K.G. Oliver, and R.J. Fulton. 1998. Classification and properties of 64 multiplexed microsphere sets. *Cytometry* **33**: 234-243.
- Keyes, K., K. Cox, P. Treadway, L. Mann, C. Shih, M.M. Faul, and B.A. Teicher. 2002. An *in vitro* tumor model: analysis of angiogenic factor expression after chemotherapy. *Cancer Research* **62**: 5597-5602.
- Lauer, S.A. and J.P. Nolan. 2002. Development and characterization of Ni-NTA-bearing microspheres. *Cytometry* **48**: 136-145.
- Lukacs, Z., C. Mordac, A. Kohlschütter, and R. Kruithof. 2003. Use of microsphere immunoassay for simplified multianalyte

screening of thyrotropin and thyroxine in dried blood spots from newborns. *Clinical Chemistry* **49**: 335-336.

- Mandy, F.F., T. Nakamura, M. Bergeron, and K. Sekiguchi. 2001. Overview and application of suspension array technology. *Clinics in Laboratory Medicine* **21**: 713-729.
- Martins, T.B. 2002. Development of internal controls for the Luminex instrument as part of a multiple seven-analyte viral respiratory antibody profile. *Clin Diagn Lab Immunol* **9**: 41-45.
- Martins, T.B., B.M. Pasi, J.W. Pickering, T.D. Jaskowski, C.M. Litwin, and H.R. Hill. 2002. Determination of cytokine responses using a multiplexed fluorescent microsphere immunoassay. *American Journal of Clinical Pathology* **118**: 346-353.
- Mullenix, M.C., R. Sivakamasundari, W.J. Feaver, R.M. Krishna, M.P. Sorette, H.J. Datta, D.M. Morosan, and S.P. Piccoli. 2002. Rolling circle amplification improves sensitivity in multiplex immunoassays on microspheres. *Clinical Chemistry* **48**: 1855-1858.
- Musher, D., E. Goldsmith, S. Dunbar, G. Tilney, R. Darouiche, Q. Yu, J.A. Lopez, and J.-f. Dong. 2002. The association between hypercoagulable states or increased platelet adhesion/aggregation and bacterial colonization of intravenous catheters. *The Journal of Infectious Diseases* **186**: 769-773.
- Nelson, K.B., J.K. Grether, J.M. Dambrosia, E. Walsh, S. Kohler, G. Satyanarayana, P.G. Nelson, B.F. Dickens, and T.M. Phillips. 2003. Neonatal cytokines and Cerebral Palsy in very preterm infants. *Pediatric Research* **53**: 600-607.
- Nolan, J.P. and F.F. Mandy. 2001. Suspension array technology: New tools for gene and protein analysis. *Cellular and Molecular Biology* **47**: 1241-1256.
- Nolan, J.P. and L.A. Sklar. 2002. Suspension array technology: evolution of the flat-array paradigm. *Trends in Biotechnology* **20**: 9-12.
- Oliver, K.O., J.R. Kettman, and R.J. Fulton. 1998. Multiplexed analysis of human cytokines by use of the FlowMetrix system. *Clinical Chemistry* **44**: 2057-2060.

- Opalka, D., C.E. Lachman, S.A. MacMullen, K.U. Jansen, J.F. Smith, N. Chirmule, and M.T. Esser. 2003. Simultaneous quantitation of antibodies to neutralizing epitopes on virus-like particles for Human Papillomavirus Types 6, 11, 16, and 18 by a multiplexed Luminex assay. *Clin Diagn Lab Immunol* **10**: 108-115.
- Pass, K.A. 2003. Commentary on: Use of microsphere immunoassay for simplified multianalyte screening of thyrotropin and thyroxine in dried blood spots from newborns. *Clinical Chemistry* **49**: 336.
- Pickering, J.W., T.B. Martins, R.W. Greer, M.C. Schroder, M.E. Astill, C.M. Litwin, S.W. Hildreth, and H.R. Hill. 2002. A multiplexed fluorescent microsphere immunoassay for antibodies to Pneumococcal capsular polysaccharides. *American Journal of Clinical Pathology* **117**: 589-596.
- Pickering, J.W., T.B. Martins, M.C. Schroder, and H.R. Hill. 2002. Comparison of a multiple flow cytometric assay with enzyme-linked immunosorbent assay for quantitation of antibodies to Tetanus, Diphtheria, and *Haemophilis influenzae* Type b. *Clin Diagn Lab Immunol* **9**: 872-876.
- Prabhakar, U., E. Eirikis, and H.M. Davis. 2002. Simultaneous quantification of proinflammatory cytokines in human plasma using the LabMAP assay. *Journal of Immunological Methods* **260**: 207-218.
- Seideman, J. and D. Peritt. 2002. A novel monoclonal antibody screening method using the Luminex-100 microsphere system. *Journal of Immunological Methods* **267**: 165-171.
- Smith, P.L., C.R. WalkerPeach, R.J. Fulton, and D.B. DuBois. 1998. A rapid, sensitive, multiplexed assay for detection of viral nucleic acids using the FlowMetrix system. *Clinical Chemistry* **44**: 2054-2060.
- Spiro, A. and M. Lowe. 2002. Quantitation of DNA sequences in environmental PCR products by a multiplexed, bead-based method. *Applied and Environmental Microbiology* **68**: 1010-1013.
- Spiro, A., M. Lowe, and D. Brown. 2000. A bead-based method for multiplexed identification and quantitation of DNA sequences using flow cytometry. *Applied and Environmental Microbiology* **66**: 4258-4265.

- Taylor, J.D., D. Briley, Q. Nguyen, K. Long, M.A. Iannone, M.-S. Li, F. Ye, A. Afshari, E. Lai, M. Wagner, J. Chen, and M.P. Weiner. 2001. Flow cytometric platform for high-throughput single nucleotide polymorphism analysis. *BioTechniques* **30**: 661-669.
- Vignali, D.A. 2000. Multiplexed particle-based flow cytometric assays. *Journal of Immunological Methods* **243**: 243-255.
- Weber, J., V.K. Sondak, R. Scotland, R. Phillip, F. Wang, V. Rubio, T.B. Stuge, S.G. Groshen, C. Gee, G.G. Jeffery, S. Sian, and P.P. Lee. 2003. Granulocyte-Macrophage-Colony-Stimulating Factor added to a multipeptide vaccine for resected stage II melanoma. *Cancer* **97**: 186-200.
- Willman, J.H., H.R. Hill, T.B. Martins, T.D. Jaskowski, E.R. Ashwood, and C.M. Litwin. 2001. Multiplexed analysis of heterophil antibodies in patients with indeterminate HIV immunoassay results. *American Journal of Clinical Pathology* **115**: 764-769.
- Yang, L., D.K. Tran, and X. Wang. 2001. BADGE, BeadsArray for the detection of gene expression, a high throughput diagnostic bioassay. *Genome Research* **11**: 1888-1898.
- Ye, F., M.-S. Li, J.D. Taylor, Q. Nguyen, H.M. Colton, W.M. Casey, M. Wagner, M.P. Weiner, and J. Chen. 2001. Fluorescent microsphere-based readout technology for multiplexed human single nucleotide polymorphism analysis and bacterial identification. *Human Mutation* **17**: 305-316.

¹ As of April 15, 2003