Ms. Raquel Cabana received her B. Sc. in Biochemistry in 1992 at the National University of Cordoba, Argentina. She went on to pursue another degree at the same institution, receiving her diploma in Immunology in 1998. She is an experienced Flow Cytometry and Clinical Histocompatibility Specialist currently working as a Flow Cytometry Lead at the Transplant Immunology Laboratory; Baylor University Medical Center at Dallas, Texas, USA.

Over the years, she has been involved in the development of multiple innovative Flow Cytometry products and has been the creative source in many clinical and research applications. Most notably, she was part of the development team for the Aquios CL Load and Go Flow Cytometer (Blue Ocean Biomedical and Beckman Coulter, Inc), the first clinical IVD Flow Cytometer FDA cleared in the market.

Ms. Cabana has vast experience in different Flow Cytometer platforms and sorters in conjunction with analysis software and data analysis.

Presently, she works in optimizing, standardizing and streamlining transplantation assays, such as the flow cytometry crossmatch (FCXM), CD34+ Stem Cells enumeration and multi-marker panels.

Sessions: Analyzing Flow Cytometry Data and Flow Crossmatch Test Challenges

In these sessions we will cover how to take advantage of Flow Cytometry data analysis, visualization and interpretation of clinically significant test results and the challenges faced when optimazing and simplyfing 96-well plate FCXM in a Beckman Coulter CytoFLEX flow cytometer.

Relevant Literature:

1. Krishan A, **Cabana R**. Flow Cytometric Analysis of Electronic Nuclear Volume and DNA content in Normal Mouse Tissues. Cell Cycle 3:3, 380-383, 2004.

2. **Cabana R**, Frolova EG, Kapoor V, Thomas RA, Krishan A, Telford WG. The minimal instrumentation requirements for hoechst side population analysis: stem cell analysis on low-cost flow cytometry platforms. Stem Cells. 2006 Nov; 24(11):2573-81.

3. Sharma S, **Cabana R**, Shariatmadar S, Krishan A. Cellular volume and marker expression in human peripheral blood apheresis stem cells. Cytometry A. 73A:160-167, 2008.

4. Headley V, Dong C, **Cabana R**, Trujillo V, Magari R, Afonina E. Enumeration of T, B and NK Subpopulations in Aged Whole Blood Samples Using Aquios CL Instrument with Tetra Application. Beckman Coulter, R&D ICCS 2015.

5. **R Cabana**, Erice P, C Wang, L Klingman, M Askar. Transplant Immunology Laboratory, Baylor Scott and White, Dallas, Tx. October 2018. 44th Annual Meeting. ASHI 2018. Optimization of a Rapid Plate Flow Cytometry Crossmatch Assay on the CytoFlex Platform: The Baylor Protocol.