

As you know and the many old timers in flow understand the accomplishments of Noel WarnerWith the Purdue University list, I do not write much on list but I have been there since the begin from 1983-1994I would like to lists some of them as the first developer as Clinical Immunologist, BD Monoclonal Center/ Stanford, Mt View, Ca Study erythropoietin - RBC growth factor, one of the Designer of FACScan systems and Cell sorting FACS IV . Calibrite beads PE and FITC, PerCP and Monoclonal antibodies reagents CD1 to CD320 CD (cluster of differentiation). Established Clinical Evaluations lab and Clinical Monitoring in the fields of HIV AIDS, Cancer and Auto immunity diseases (Multi-color analysis of CD4 and CD8 subsets) and CD34/ CD38 (MY10) hemopoietic stem cells at several sites in mid and early 1980's. Immunotherapy basics CTLA-4, Mesenchymal stem cells and Dendritic cells Pathways Multi-color FITC/ PE and PerCP 2-3 color analysis in flow cytometry during AIDS crisis, (1983 to present) some important products FDA cleared CD3FITC first T Cell IVDP in biotech 1985, Clinical Research and Clinical IVDP trials project for filing FDA 510k and Per-Marketing Approvals , Streptavidin PE and APC, Tandem CY5/PE conjugates, CD4 /CD8, CD14/45 gating, TCR alpha /beta, TCR gamma/ delta, CD45RO /RA , CD 28/CD152 CD80/86 (CTLA-4/PD-1 Jim Allison Nobel Prize 2018), CD40 and CD40L,CD54, CD44, CD62L, CD3 FITC/CD16+56 PE (NK Cells), Hemopoietic Bone Marrow Stem Cells CD34/ 38, 45 Scatter gating CD45, ICH on FFPE tissue with Mabs T& B and NK Developed, in 1994-95, 14 monoclonal antibodies for new IVD products CD3, CD4, CD8, Simulate -Test (FITC and PE) and Tri-Test products. Lead Researching and developed both chemokines (AnnexinV, Rantes) and intracellular cytokine product line for both Human and mouse (IL-1, IL-2, IL-4, IL-5, IL-6, IL-8, IL-9, IL-10, IL-12, IL-15, IL-17 IFN-gamma, TNF-a and TGF-beta). Noel Warner, leaded Anne Jackson, Lewis Lanier, Joe Phillips, Diether Recktenwald, Helga and Bob Johnson at CalTag, Bernie Shor, Mike Loken and Len Herzenberg (Father of Flow Cytometry) Generates \$Billions revenue per year with high customer satisfaction at BD. Just CD4 PE generates \$20's millions /day at BDMC.... Creator of pink panther chemistry PE/PerCP/APC, Tri color conjugations to Mabs used multi- color analysis in flow cytometry...RIP Noel , he was a great scientist and better person, and someone I owe my career too ...

Andy Blidy, May 8, 2022