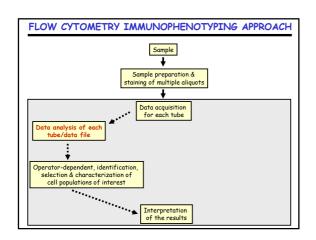
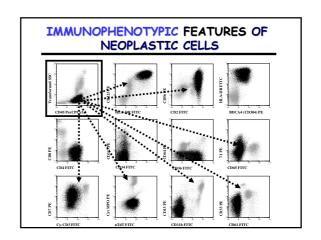


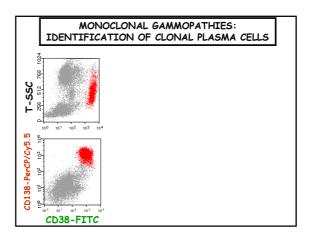
## FLOW CYTOMETRY: TYPE OF INFORMATION

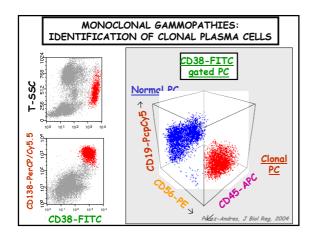
- Identification of cell populations
- Enumeration of cell numbers
- Characterization of cell populations





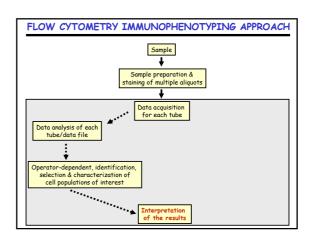
MDS/AML: 3-COLOR STAINING PANEL		
- FITC	PE	PerCP/Cy5.5
- cCont.	cCont.	CD45
- nTdt	cMPO	CD45
- cCD3	CD7	CD45
- CD19	cCD79a	CD45
- sCont	s <i>C</i> ont	CD45
- HLADR	CD117	CD45
- HLADR	CD123	CD45
- CD11b	CD13	CD45
- CD15	CD16	CD45
- CD36	CD64	CD45
- CD33	CD61	CD45
- CD71	GphA	CD45
- CD65	7.1	CD45
- CD2	CD56	CD45

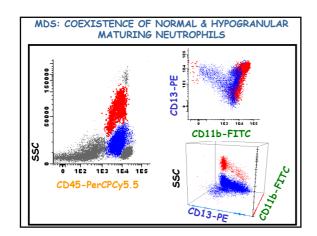


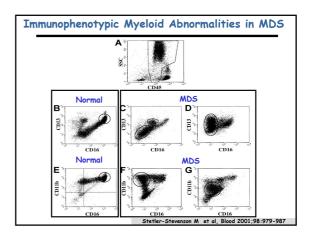


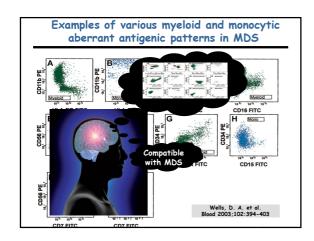


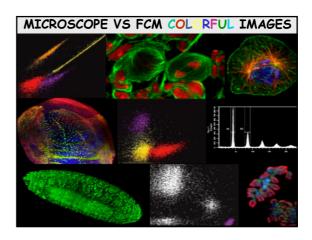


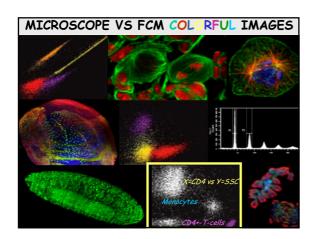








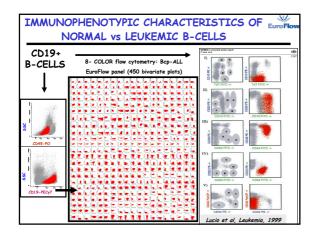


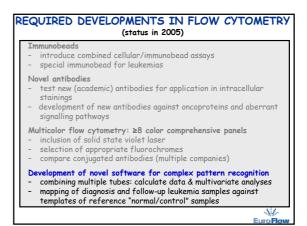


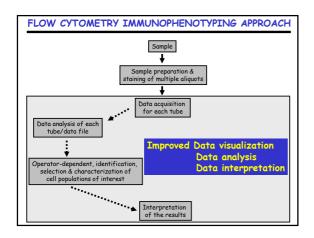
## WHICH PROBLEMS ARE WE FACING?

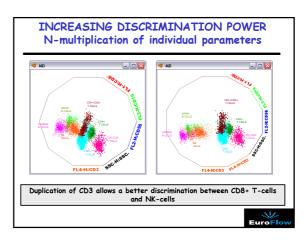
- Many reagents: costly and complex panels
- Need expertise in normal (reference) cell populations
- Time consuming
- Technical limitations
- Many (my) suboptimal strategies to reach a similar result
- Not standardized: reproducibly harmonized?
- Partial and more limited clinical utility than expected

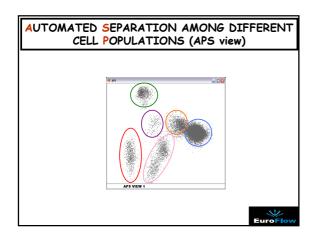


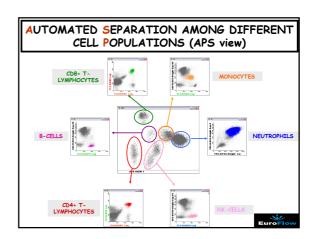


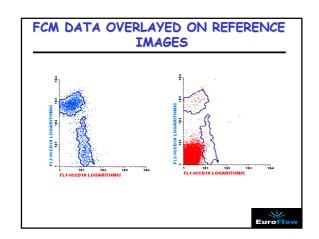


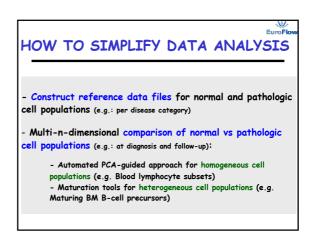


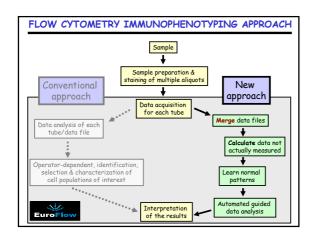


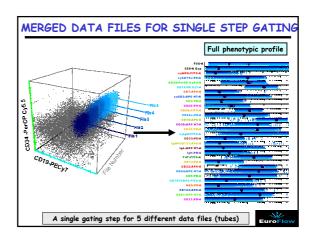


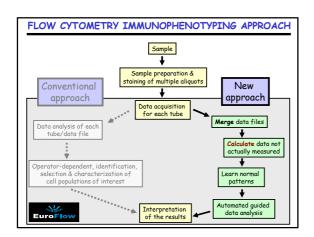


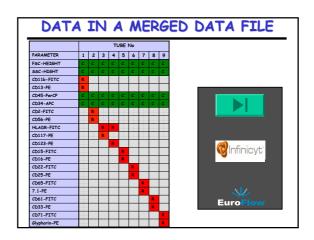


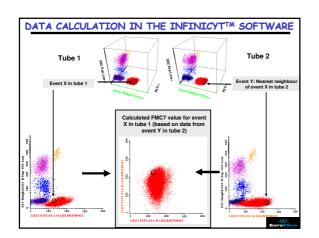


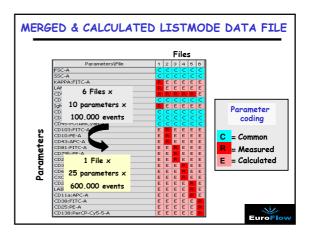


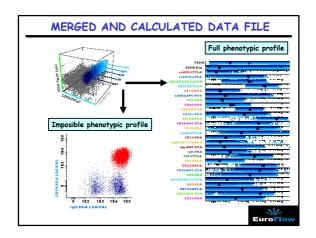


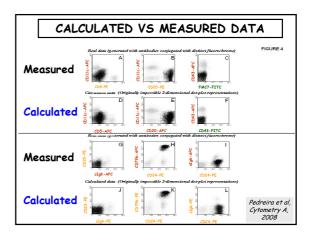


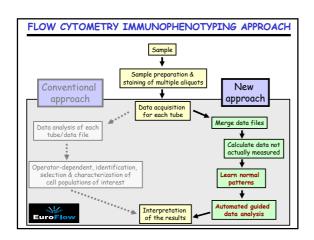


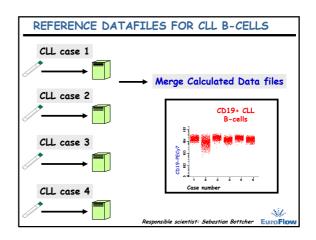


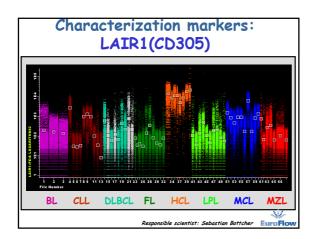


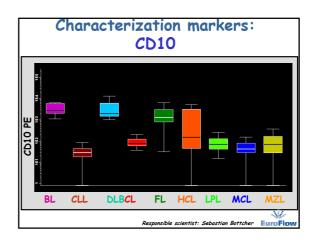


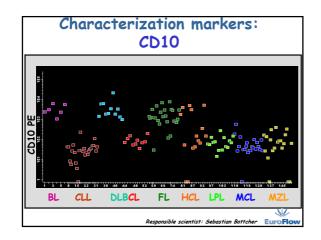


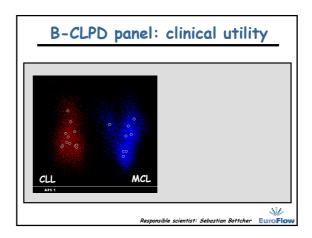


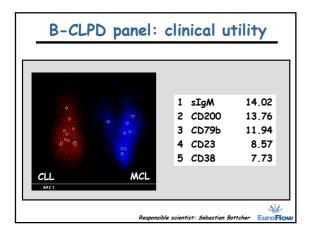


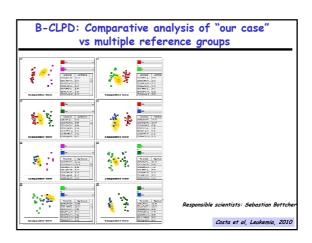


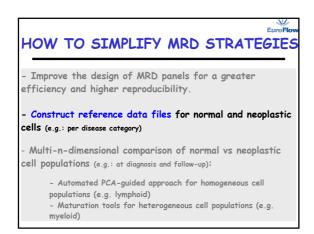


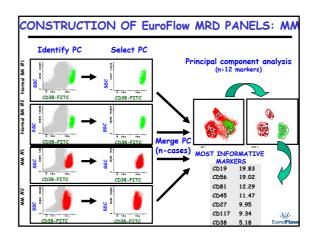




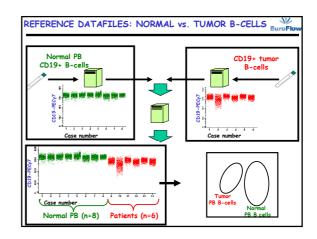


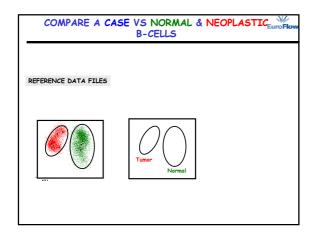


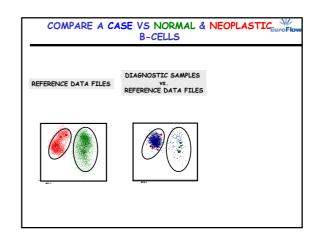


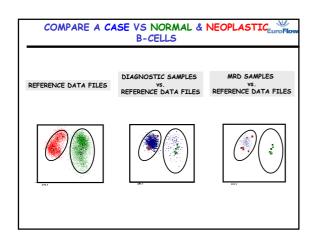


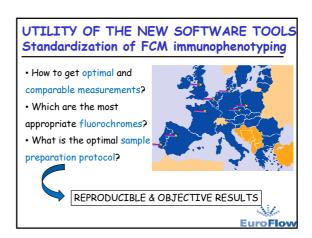
## - To find a marker combination to discriminate all neoplastic B-cells in every B-CLPD case vs all normal/reactive PB and BM mature B-cells/hematogones NOT an individualized approach per patient the approach should work without knowledge of the exact initial immunophenotype

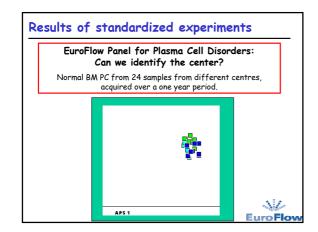














## MUCHAS GRACIAS