

CD8⁺ T-cell exhaustion induced by leukemic cells mediates progression in Chronic Lymphocytic Leukemia (CLL)

Isabel Jiménez, PhD Candidate

ijimenez@vhio.net

Vall d'Hebron Institute of Oncology (VHIO)

Barcelona, Spain

Straiton

Currie

Swanston

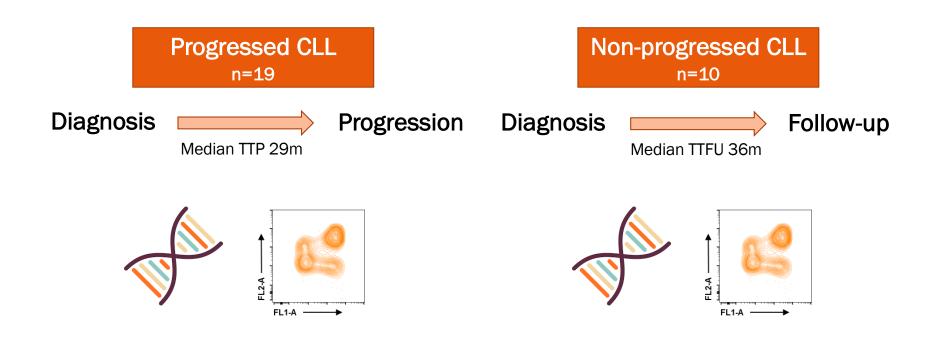
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No conflicts of interest to disclose

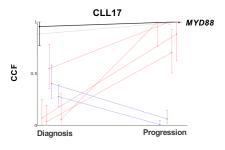


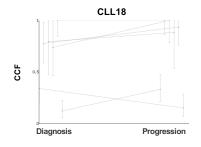
Do changes in the immune microenvironment lead to clinical progression in CLL?

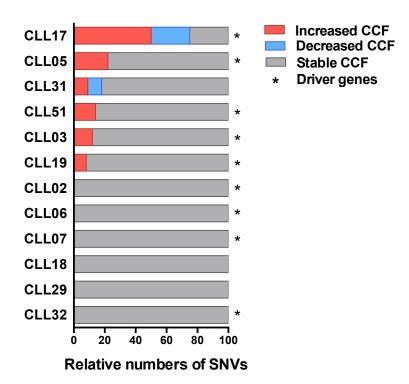




CLL cells show limited and non-recurrent genetic changes at clinical progression

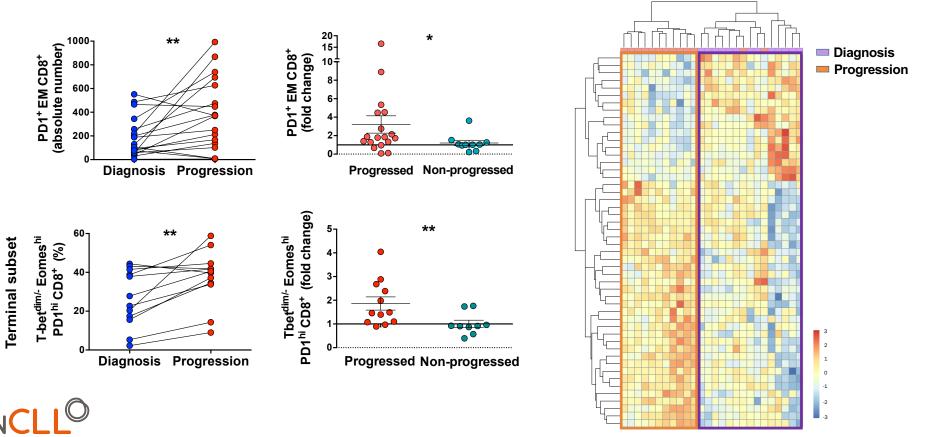






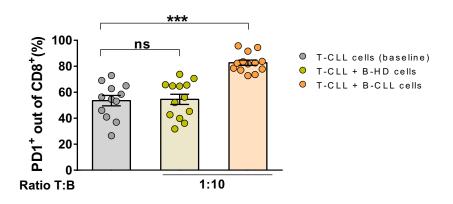


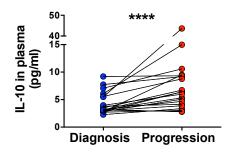
CD8⁺ T cells from CLL patients are increasingly exhausted from diagnosis to progression

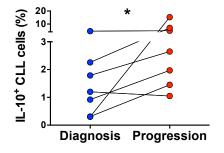


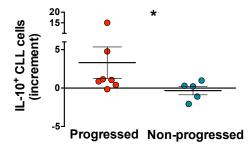


Soluble factors secreted by malignant cells, including IL-10, contribute to PD1 expression in CD8⁺ T cells at CLL progression











Conclusions

CLL progression is characterized by

- limited and non-recurrent genetic changes
- increased terminally exhaustion in CD8⁺ T cells
- inducement of PD1 in CD8⁺ T cells by soluble factors secreted by malignant B cells, including IL-10

More interesting data to share! poster #2096



Experimental Hematology Lab



Francesc Bosch, MD, PhD
Marta Crespo, PhD
Isabel Jiménez, PhD Candidate
Bárbara Tazón-Vega, PhD
Pau Abrisqueta, MD, PhD
Juan C. Nieto, PhD
Sabela Bobillo, MD
Carles Palacio, MD
Júlia Carabia, PhD





