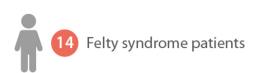
Felty syndrome and large granular lymphocyte leukemia share many clinical features and analogous pathogenic molecular markers, including somatic STAT3 mutations





Identification of common molecular pathogenesis between Felty syndrome and LGL leukemia



PCR-based next generation sequencing





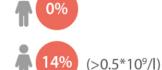
Felty syndrome

- STAT3 mutation
- STAT3 mutations

 43%

 P-P All alpha DNA binding SH2
- Most common STAT3 mutations
- STAT5B mutation
- LGL lymphocytosis in blood smears
- T-cell clone sizes
- VAFs
- Plasma cytokines

Y640F, D661



small

low

10/92 cytokines high: IL-15RA*, CXCL10*, PD-L1

LGL leukemia



Y640F, D661





big

high

10/92 cytokines high: IL-15RA*, CXCL10*, IL-8, CCL4