Training Set
N=30

2D-DIGE and identification of differentially expressed protein spots

MS Protein identification

Protein validation set
N=46

HSPA1A (HSP70) IHC

Inhibition study with KNK437 in HEL cell line → WB study

BFU-E HSP70 inhibition study with KNK437 in PBMC

Functional validation set
N=17

Inhibition study validation in BM Stem cells (CD34+)

FCM study

Colony formation units and viability studies

CBAs intracellular proteins (pathways signaling) study