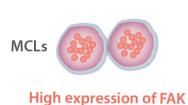
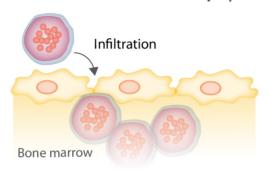
Highly synergistic effect of focal ahesion kinase inhibition with ibrutinib to overcome drug resistance in mantle cell lymphoma





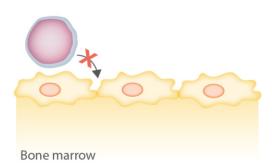
MCL-stromal cells interaction

FAK activation

AKT, p42/44, NF-kB activation

Survival, proliferation and drug resistance

FAK inhibition RNAi based FAK silencing, FAKi



Blockage of targeted cell invasion

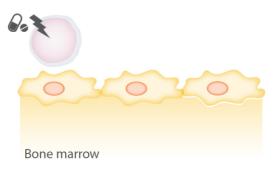
no FAK activation

Inactivation of signaling cascade

Apoptosis

FAK inhibition





Combine treatment to overcome drug resistance of MCL