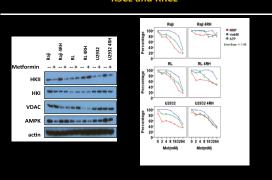
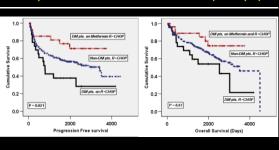
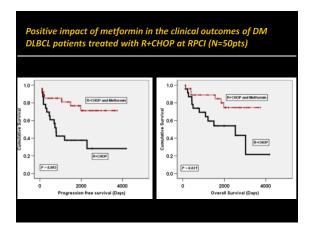


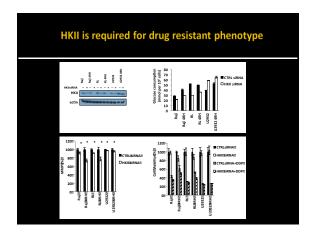
## Effect of blockage HKII glycolytic function by 2DG in RSCL and RRCL

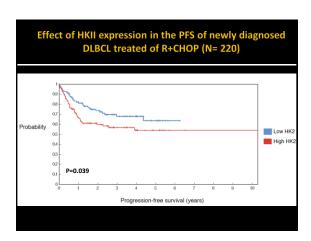


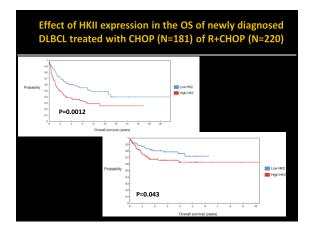
## Positive impact of metformin in the clinical outcomes of DLBCL patients treated with R+CHOP at RPCI (N=275pts)

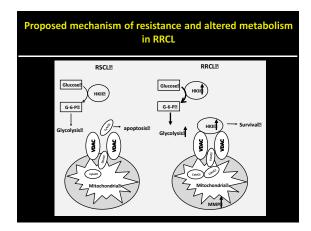


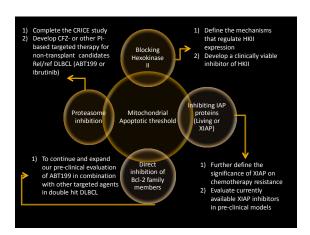












## In summary

- Ongoing studies defining distinct regulatory pathways between GCB and ABC DLBCL will aid in the incorporation of novel small molecule inhibitors in the treatment of DLBCL
  - Lenalidomide, Bortezomib and Ibrutinib appear to be more active in ABC DLBCL subtypes
  - Ongoing drug screening programs are seeking to identify novel agents in GCB- and double hit-DLBCL
- A sub group of DLBCL patients over-expressing Bcl-2 and c-Myc with poor clinical outcome had been identified. Such patients need to be treated with more aggressive regimens, CNS prophylaxis, followed by HDC-ASCS

