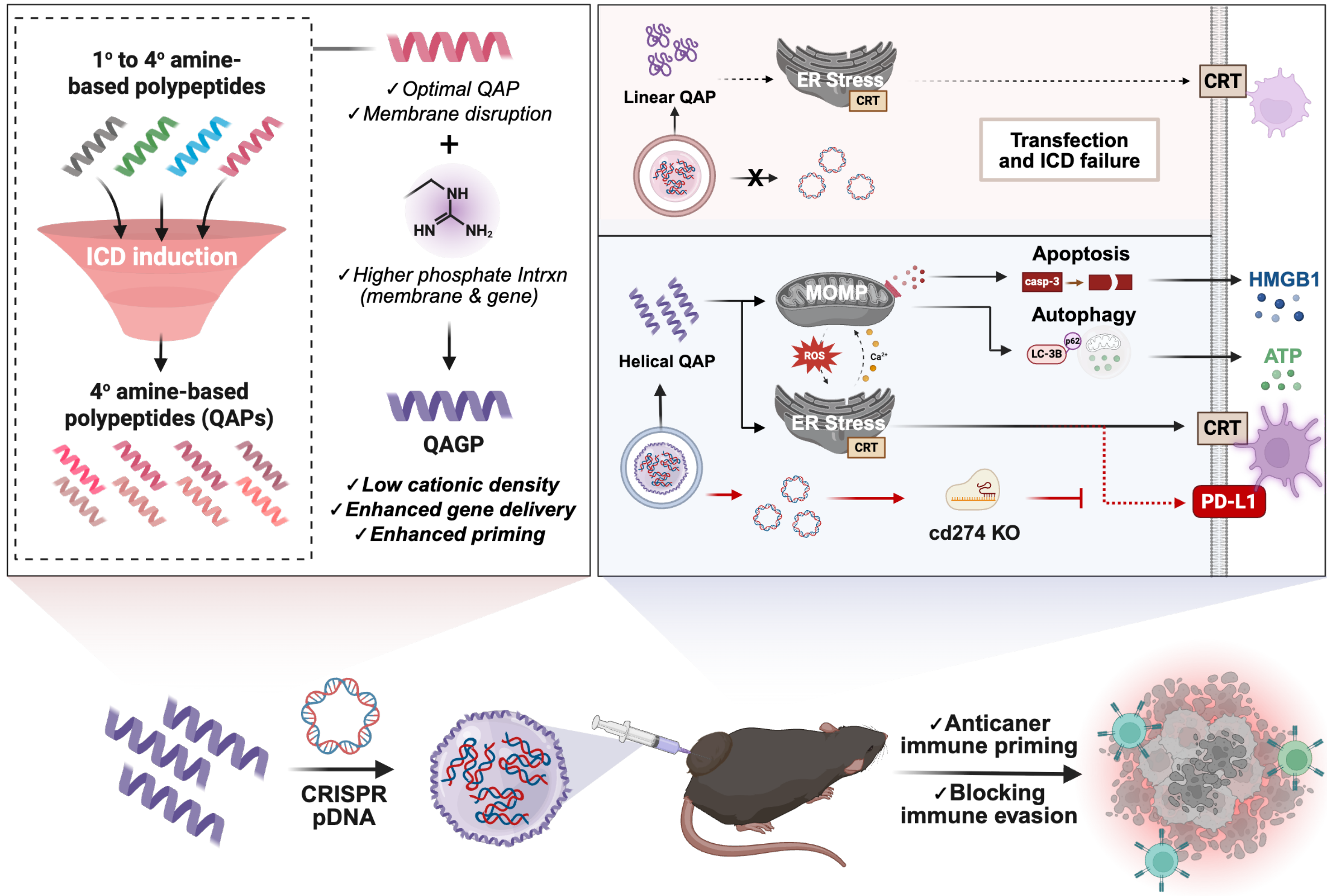
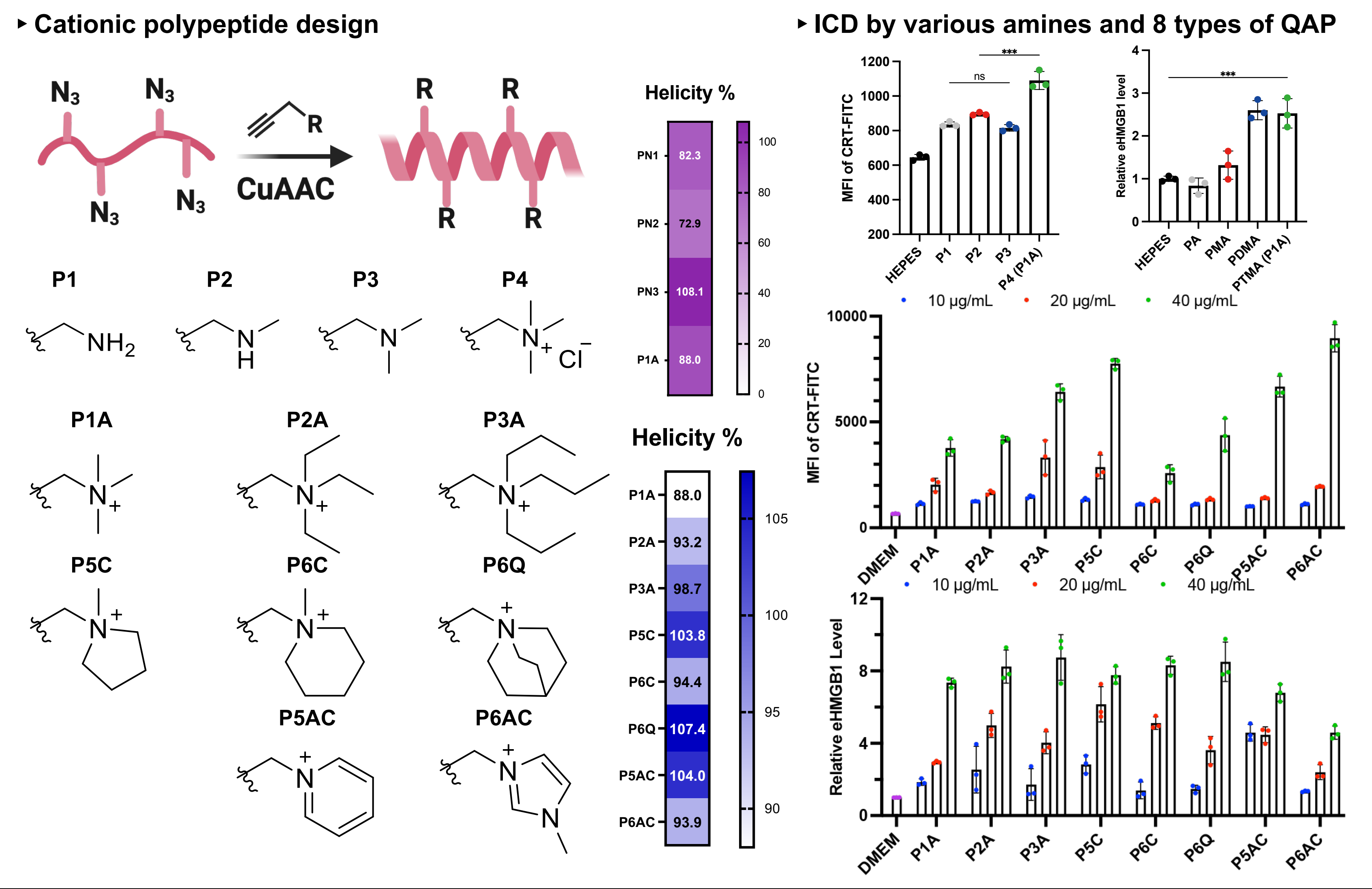


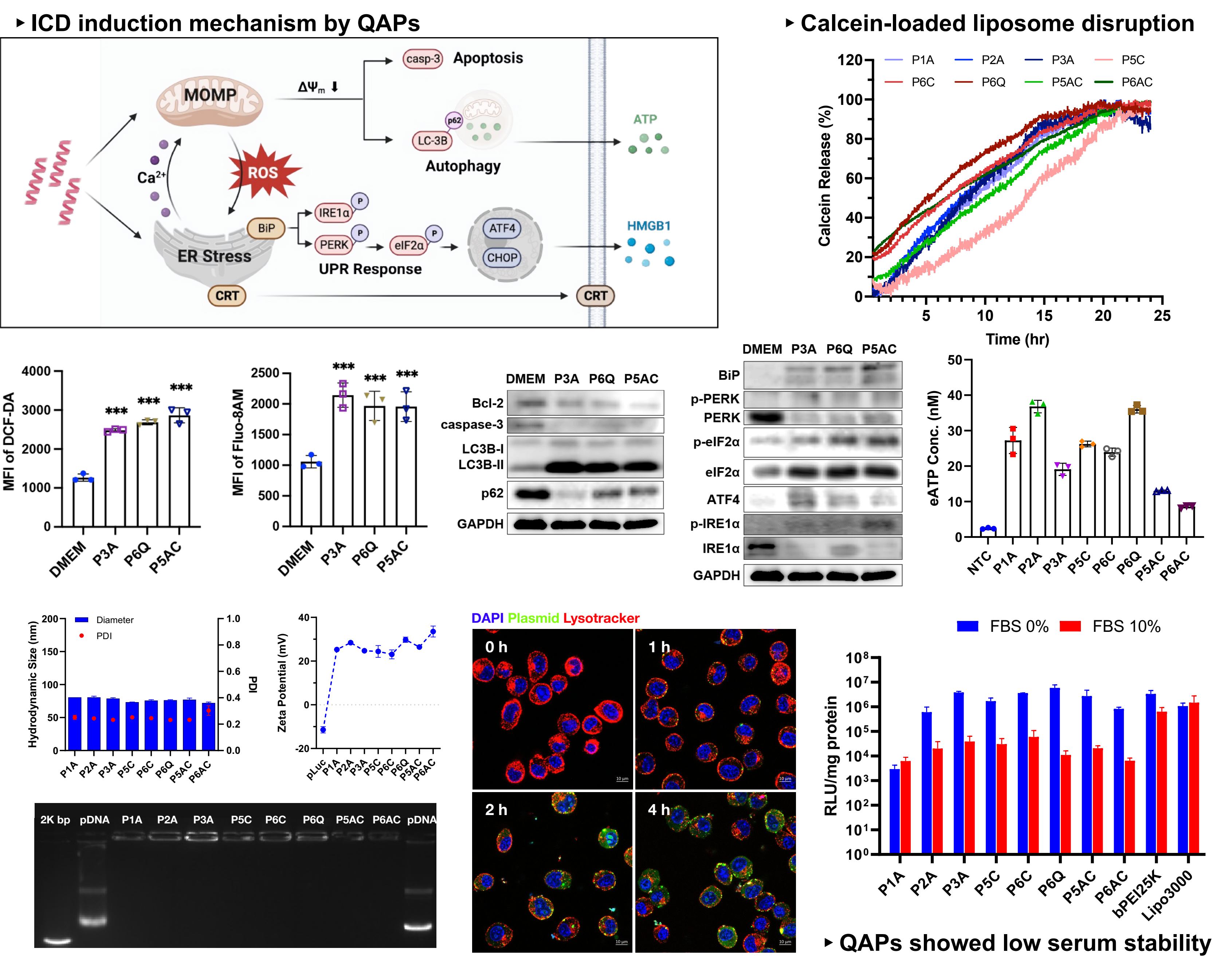
SCHEMATIC RESEARCH SUMMARY



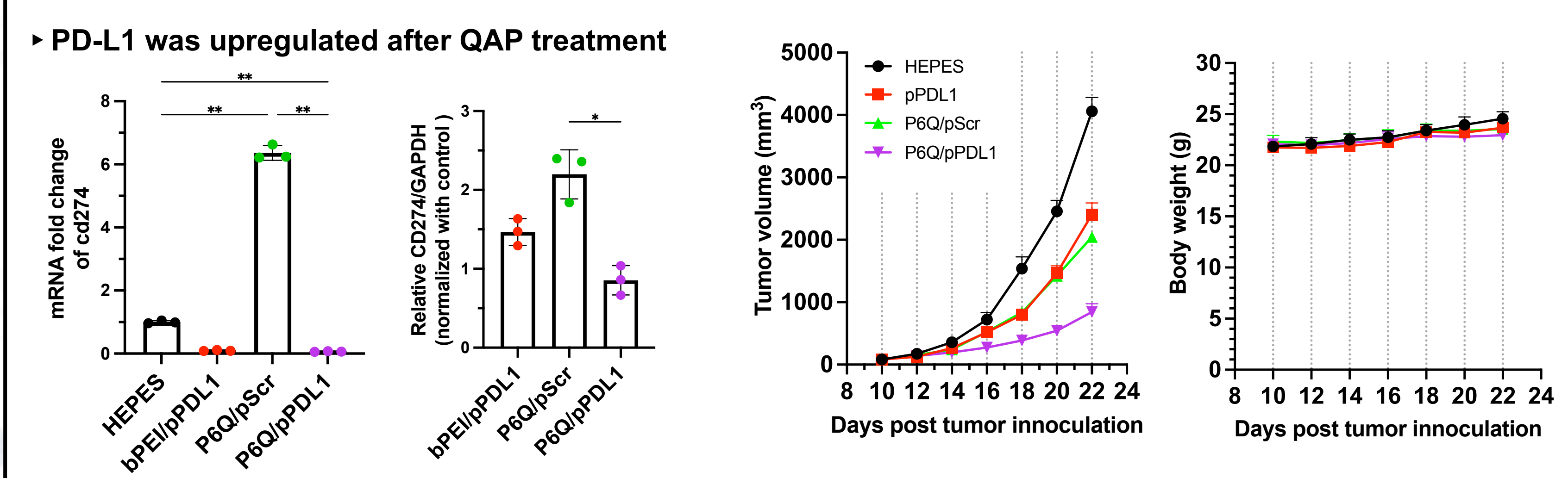
1. Quaternary amine-based polypeptide(QAP) induces immunogenic cell death(ICD)



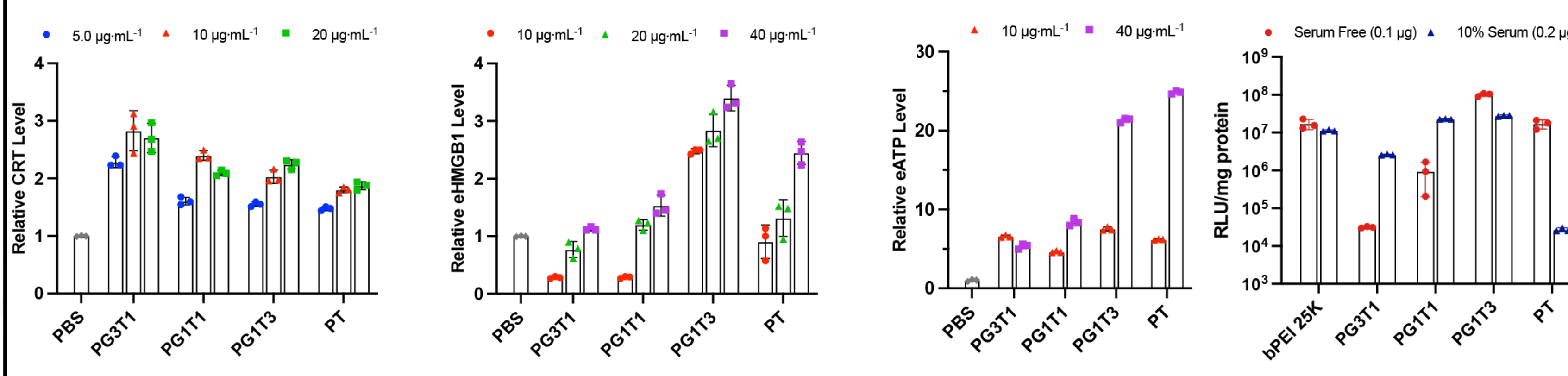
2. Membrane disruption by QAP causes organelle stress and enable gene delivery



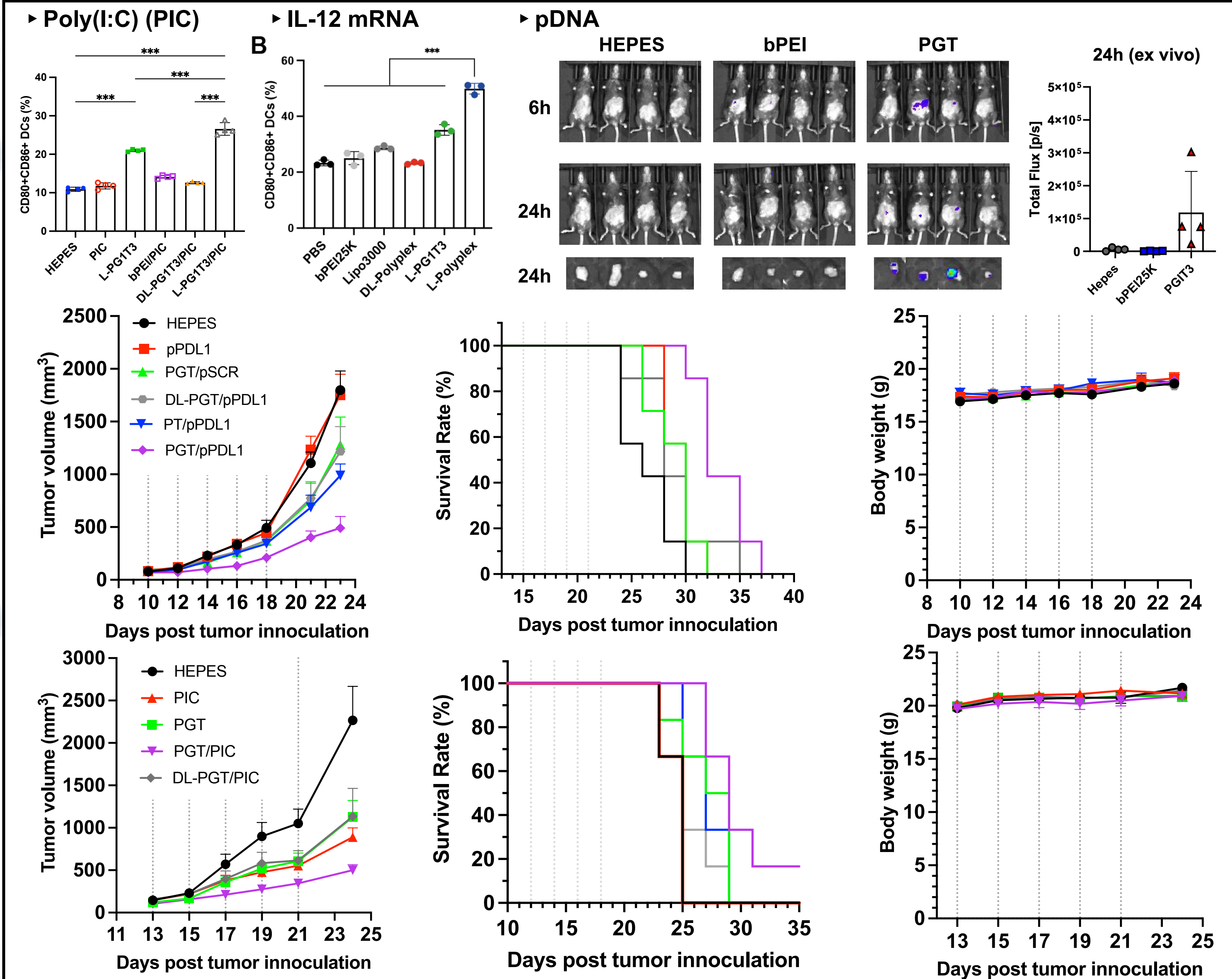
3. QAP polyplex delivers therapeutic genes (pDNA) for cancer immunotherapy



4. Guanidine-modified QAP , PG1T3, showed enhanced therapeutic efficacy



6. Guanidine-modified QAP as an anticancer gene delivery platform (DNA & RNA)



5. ICD induction depends on the secondary structure of QAP

