

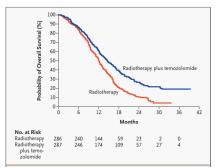


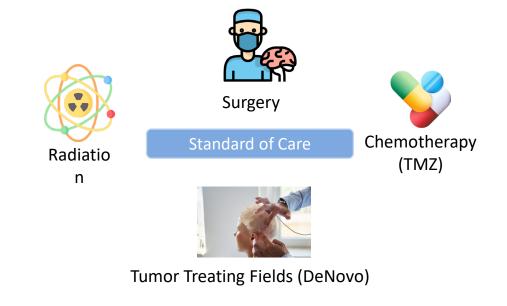
Targeting of Mitochondrial Protein Magma Enhances Sensitivity to GBM Treatment

Highly aggressive malignant Brain cancer Incidence 3 in 100,000 people in the U.S.



Median survival: 14.6 months

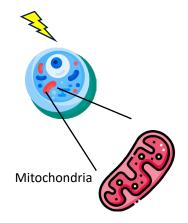




*Clinical trials for new treatments fail to meet their primary endpoints

Targeting of Mitochondrial Protein Magma Enhances Sensitivity to GBM Treatment

Radiation / Chemotherapy



Resistance mechanisms

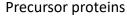
DNA damage repair
Glioma stem cells
Tumor heterogeneity
Mitochondrial reprogramming*

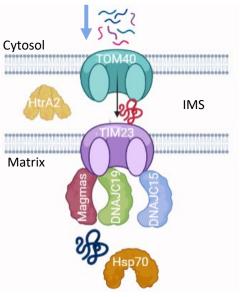
Research Focus

Role of MAGMAS in treatment resistance

MAGMAS - ~13kDa Mitochondrial Protein
Highly expressed in GBM
Regulates protein trafficking in the mitochondria
Inhibition with BT9 and KD sensitizes cells to treatments

Protein Trafficking Pathway





Mature proteins





