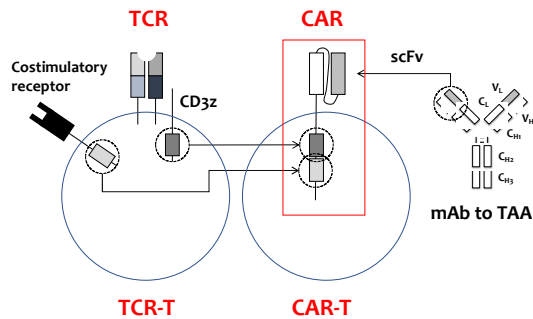
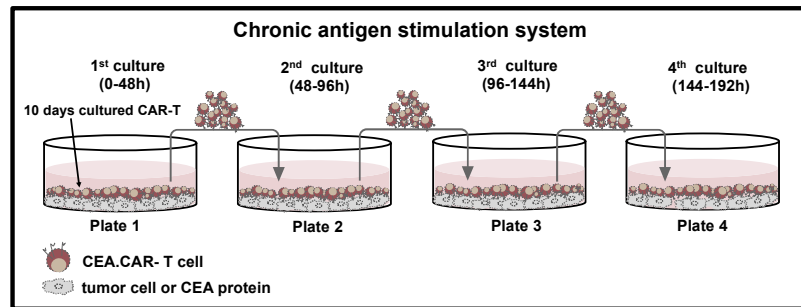


# 研究テーマ

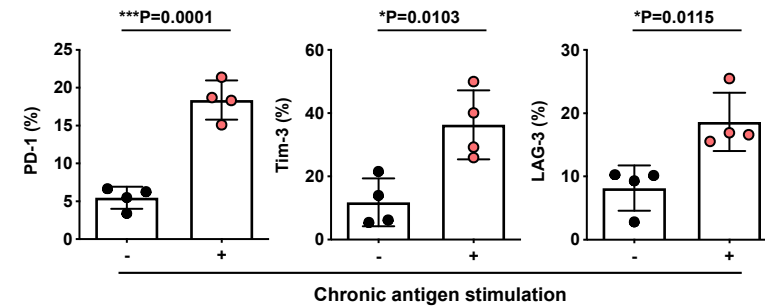
## Antioxidant supplementation during CAR-T cell preparation generates exhaustion-resistant CAR-T cells



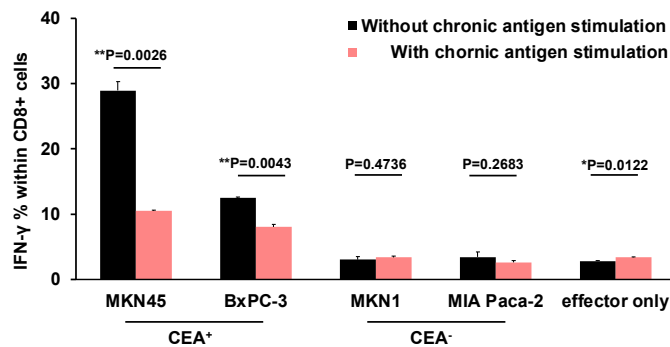
(a) Chronic antigen stimulation schedule



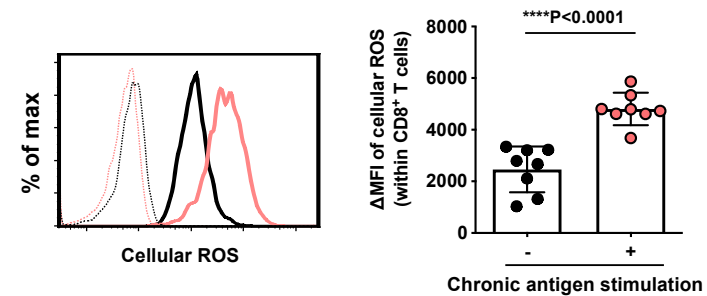
(b) Chronic antigen stimulation induces exhaustion phenotypes



(c) Chronic antigen stimulation results CAR-T dysfunction



(d) Chronic antigen stimulation causes ROS generation



# 実績

## 学会

第26回日本がん免疫学会 2022.7.20-2022.7.22

- N-acetylcysteine trigger exhaustion resistant CAR-T cell for solid tumor immunotherapy

第81回日本癌学会 2022.9.29-2022.10.1 JCA若手研究者ポスター賞

- Promising use of gene-modified  $\gamma\delta$  T cells for Cancer Immunotherapy

## 論文

- CAR-Modified V $\gamma$ 9V $\delta$ 2 T Cells Propagated Using a Novel Bisphosphonate Prodrug for Allogeneic Adoptive Immunotherapy Int J Mol Sci. 2023 Jun 29;24 (13):10873

三重大学大学院医学系研究科

個別化がん免疫治療学

WANG YIZHENG (ワン イーゼン)