Application of humanized mice models in exploring novel therapy strategies against human diseases

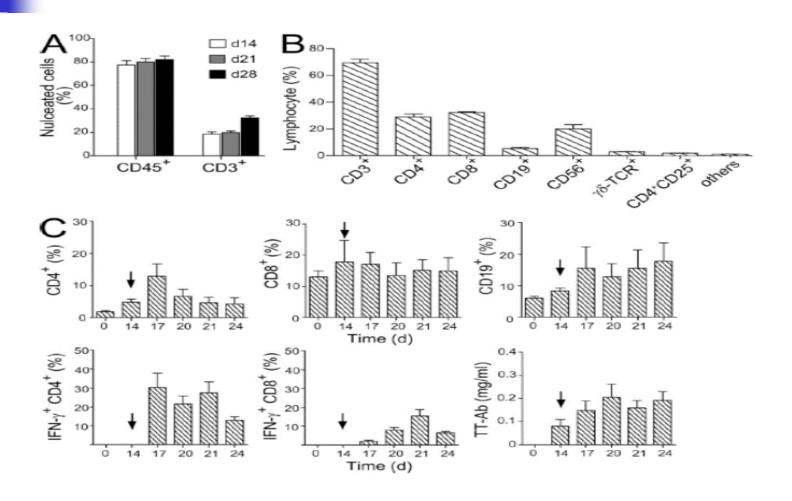


Dr. Jian Zheng
Prof. Stanley Perlman Lab
University of Iowa
2017.05

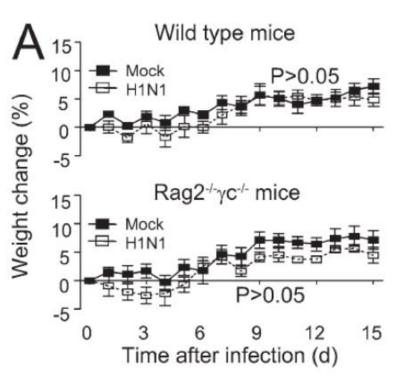


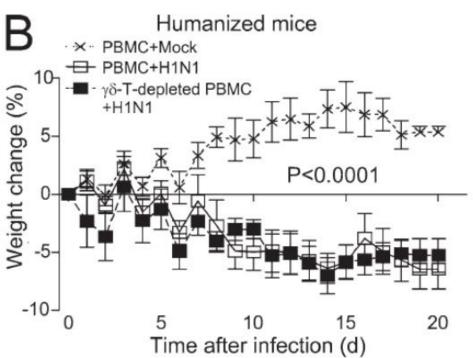
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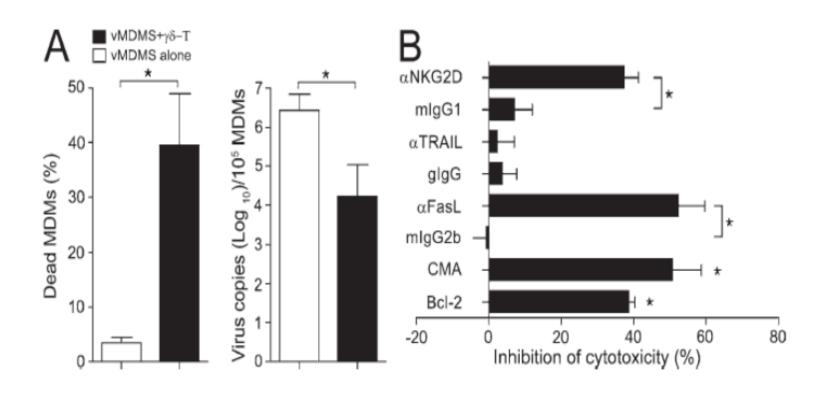
HUMANIZED RAG2-/-γC-/- MICE

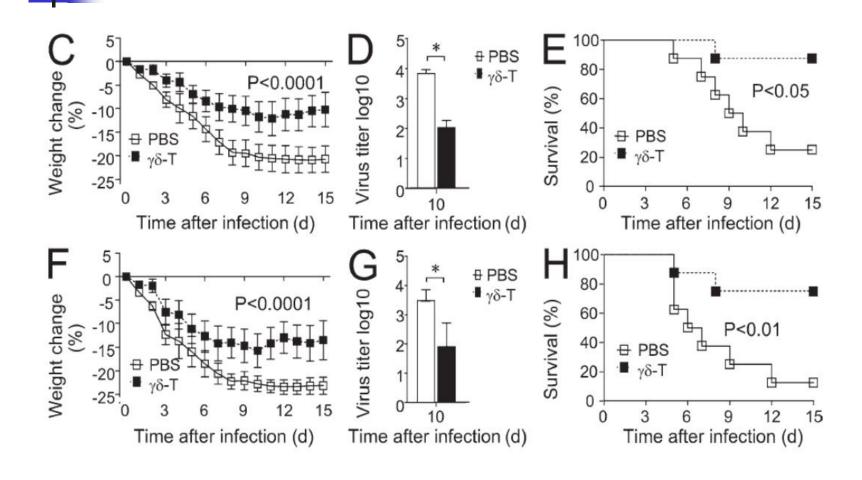


INFECTION OF HUMANIZED MICE

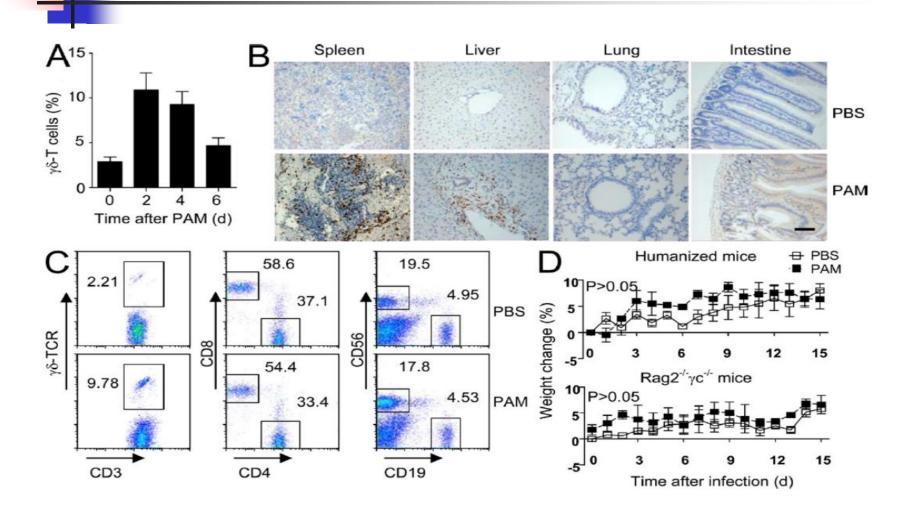


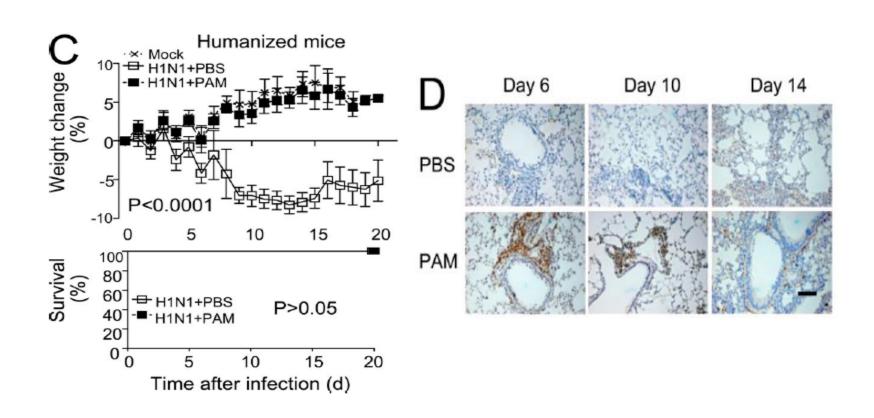


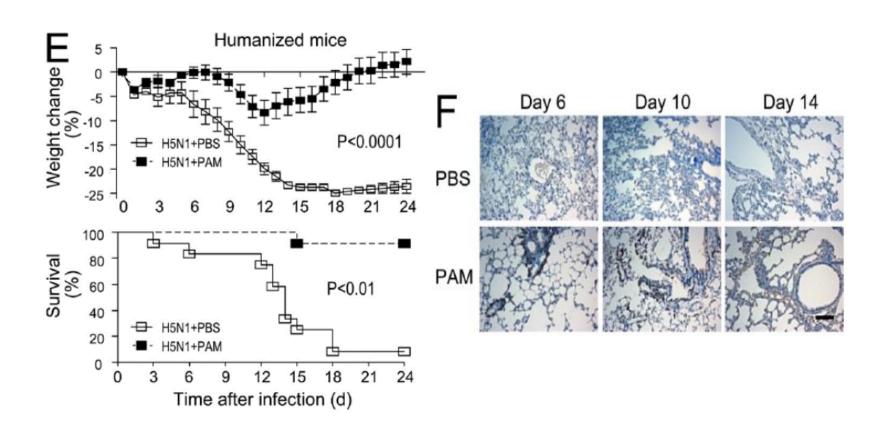


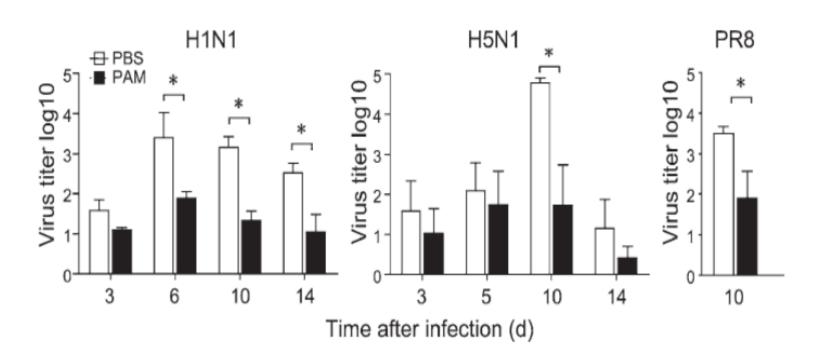


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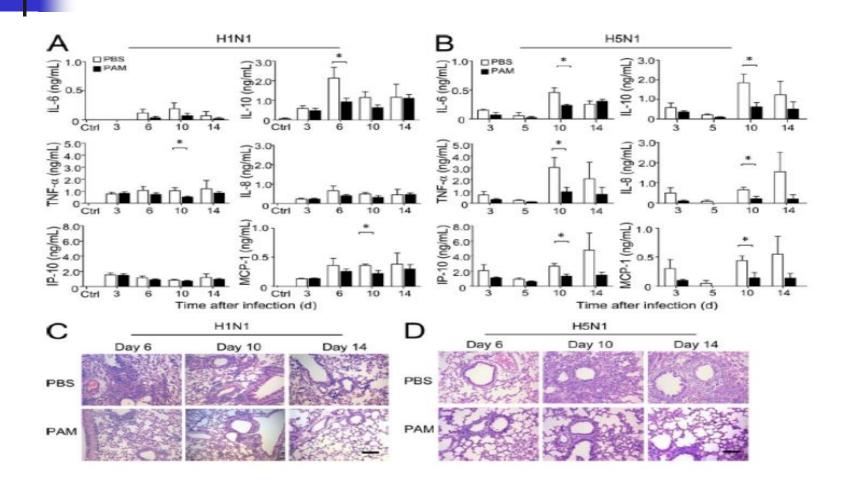


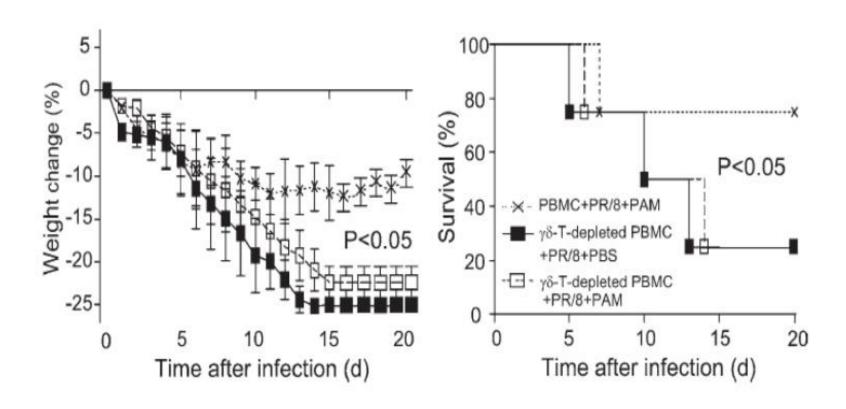






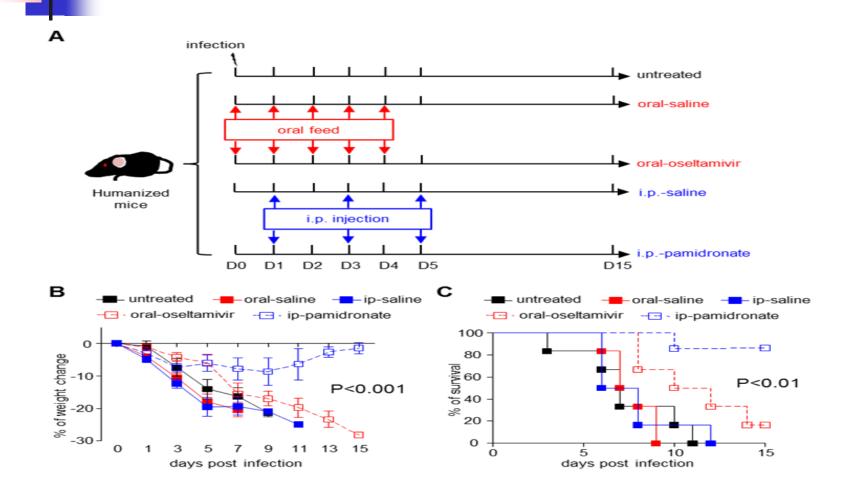
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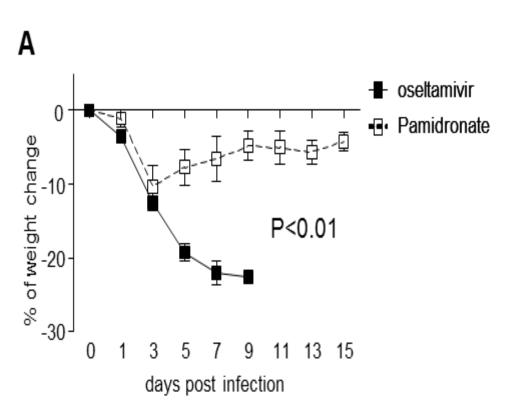
The Therapeutic Effect of Pamidronate on Lethal Avian Influenza A H7N9 Virus Infected Humanized Mice

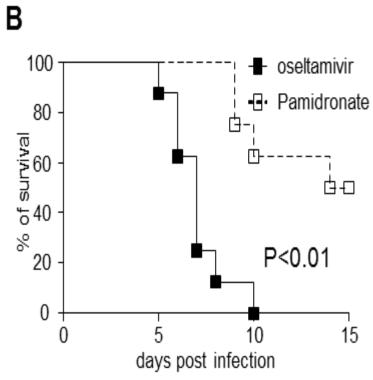
γδ-T-BASED ANTI-H7N9 STUDY



The Therapeutic Effect of Pamidronate on Lethal Avian Influenza A H7N9 Virus Infected Humanized Mice

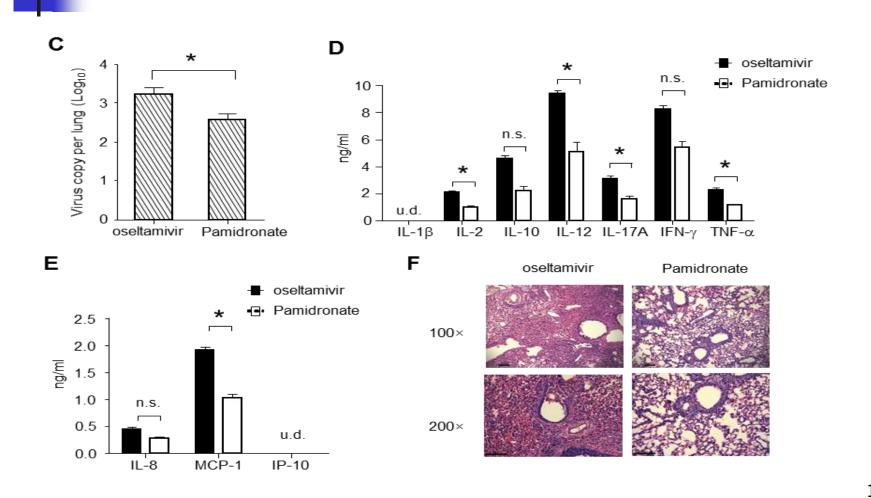




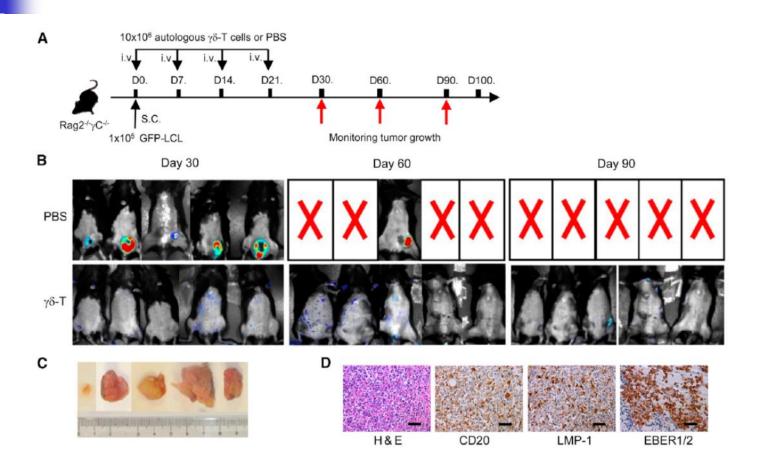


The Therapeutic Effect of Pamidronate on Lethal Avian Influenza A H7N9 Virus Infected Humanized Mice

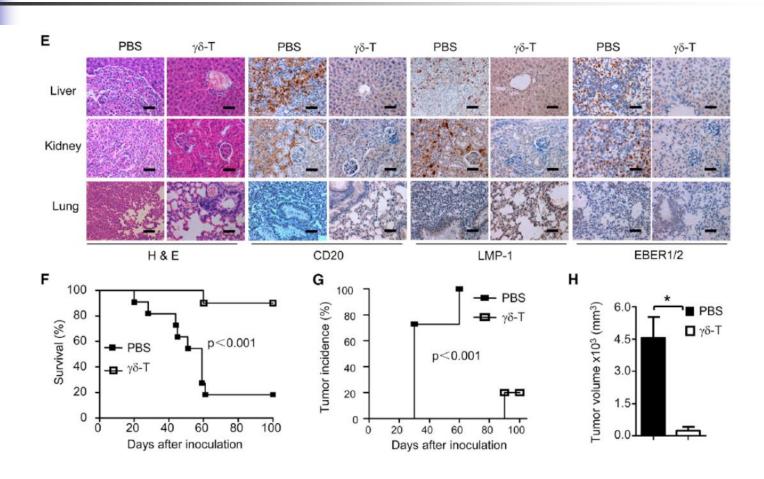
γδ-T-BASED ANTI-H7N9 STUDY



γδ-T-BASED ANTI-EBV STUDY

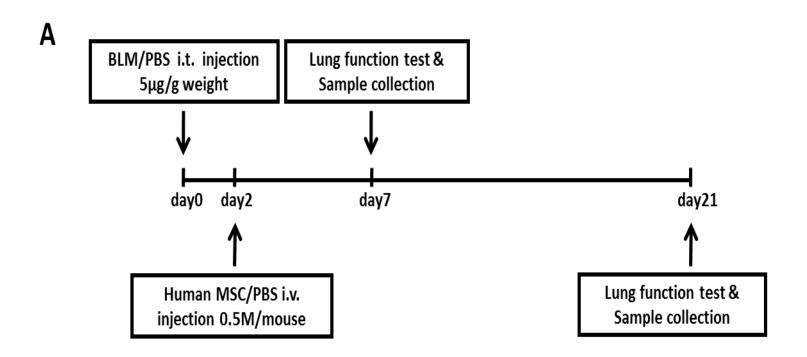


γδ-T-BASED ANTI-EBV STUDY





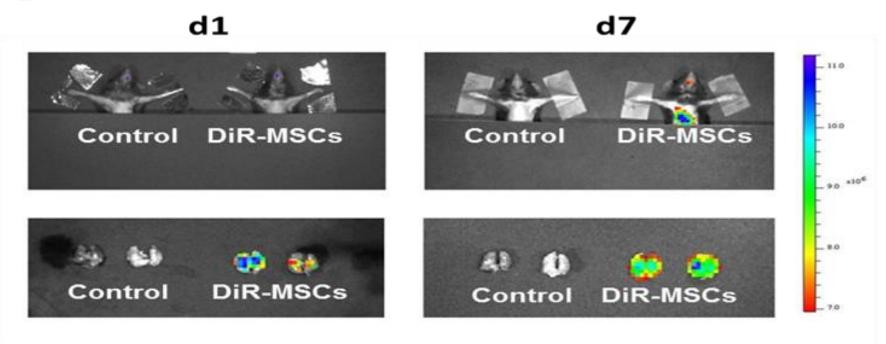
HUMANIZED LUNG FIBROSIS MODEL



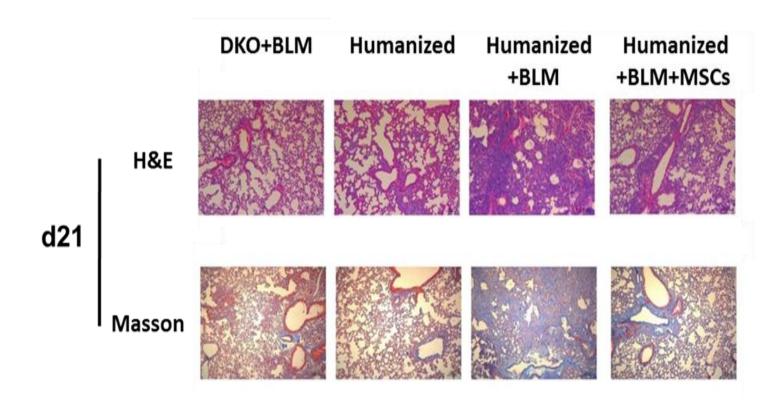


MSC-BASED THERAPY

В

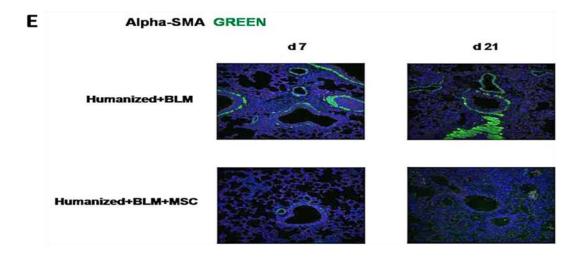


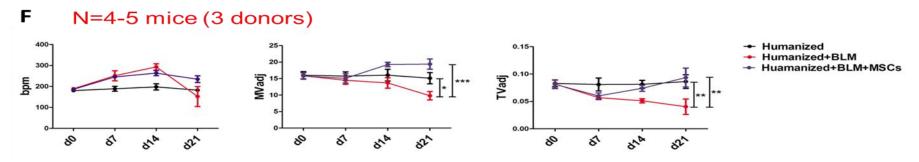
MSC-BASED THERAPY





MSC-BASED THERAPY



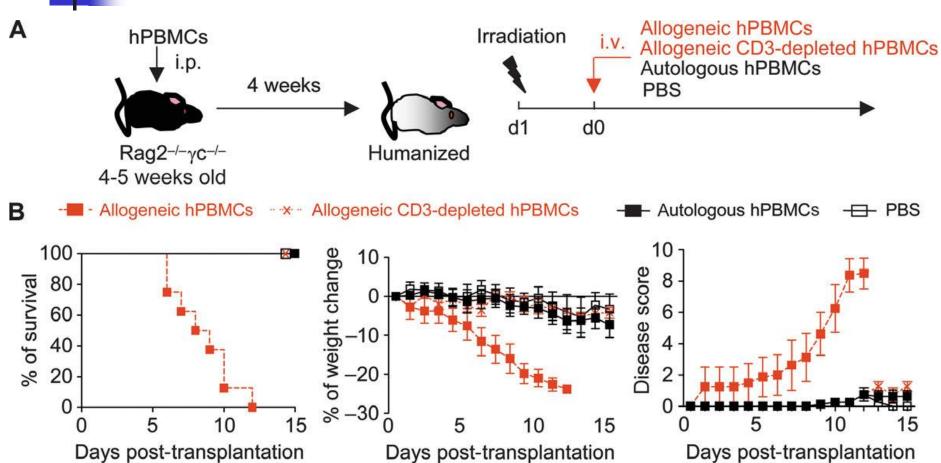


GRAFT VERSUS HOST DISEASE

Human CD8⁺ Regulatory T Cells Inhibit GVHD and Preserve General Immunity in Humanized Mice

1

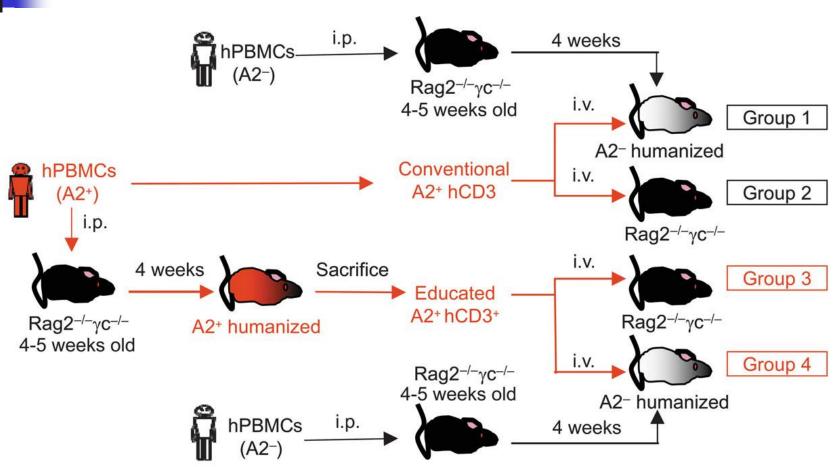
HUMANIZED GVHD MODEL



Human CD8⁺ Regulatory T Cells Inhibit GVHD and Preserve General Immunity in Humanized Mice

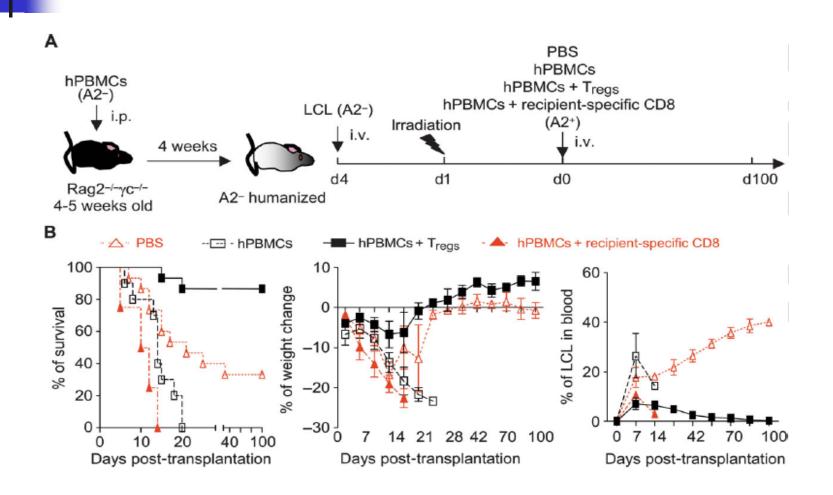


HUMANIZED GVHD MODEL



Human CD8⁺ Regulatory T Cells Inhibit GVHD and Preserve General Immunity in Humanized Mice

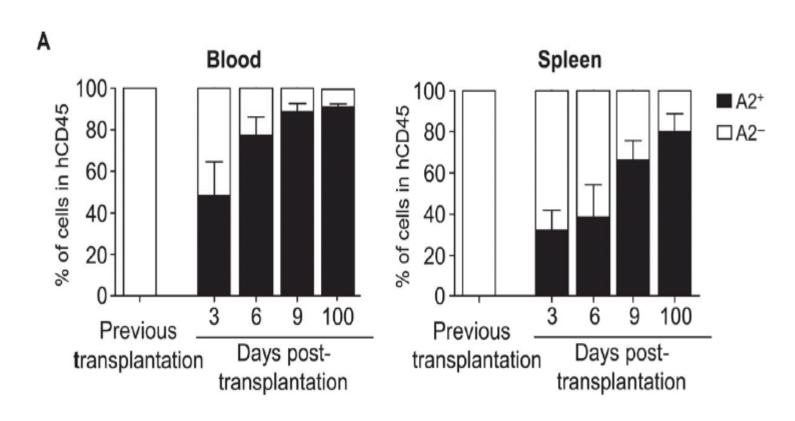
CD8+ TREG-BASED THERAPY



Human CD8⁺ Regulatory T Cells Inhibit GVHD and Preserve General Immunity in Humanized Mice



CD8+ TREG-BASED THERAPY



Acknowledgement

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