

Chimeric Antigen Receptor T Cells: Strategies and Road to Solid Tumour

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Acknowledgement

Abstract

Abstract goes here^[1]

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1 Introduction

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List of Abbreviations:

2 Efficacy

2.1 Current Targets

2.2 Opimal Host Cell

CD8+ T Cell

CD4+ T cell

2.3 Gene Delivery Systems

Retroviral (RV) or lentiviral (LV)

2.4 Cell Expansion Systems

3 Discussion and Future Direction

Solid Tumour

3.1 Limitation, Side Effects

Tumour micro-environment

T Cell Survival

Toxicity/Graft Versus Host Disease

T Cell Trafficking

4 Conclusion

Bibliography

- [1] Karlo Perica, Kevin J. Curran, Renier J. Brentjens, and Sergio A. Giralto. Building a car garage: Preparing for the delivery of commercial car t cell products at memorial sloan kettering cancer center. *Biology of Blood and Marrow Transplantation*, 24(6):1135 – 1141, 2018. ISSN 1083-8791.
- [2] Hannah M. Knochelmann, Aubrey S. Smith, Connor J. Dwyer, Megan M. Wyatt, Shikhar Mehrotra, and Chrystal M. Paulos. Car t cells in solid tumors: Blueprints for building effective therapies. *Frontiers in Immunology*, 9:1740, 2018.

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