

The logo for Medicilon, featuring the word "MEDICILON" in white capital letters inside a white oval shape.

MEDICILON

The logo for EDI ILO, consisting of the text "EDI ILO" in white capital letters.

EDI ILO

A stylized, colorful 3D rendering of a DNA double helix structure, with the two strands in shades of purple and blue, and the base pairs in various colors like green, yellow, and red. The background is a gradient of blue and green.

美迪西mRNA肿瘤疫苗研发服务平台



mRNA

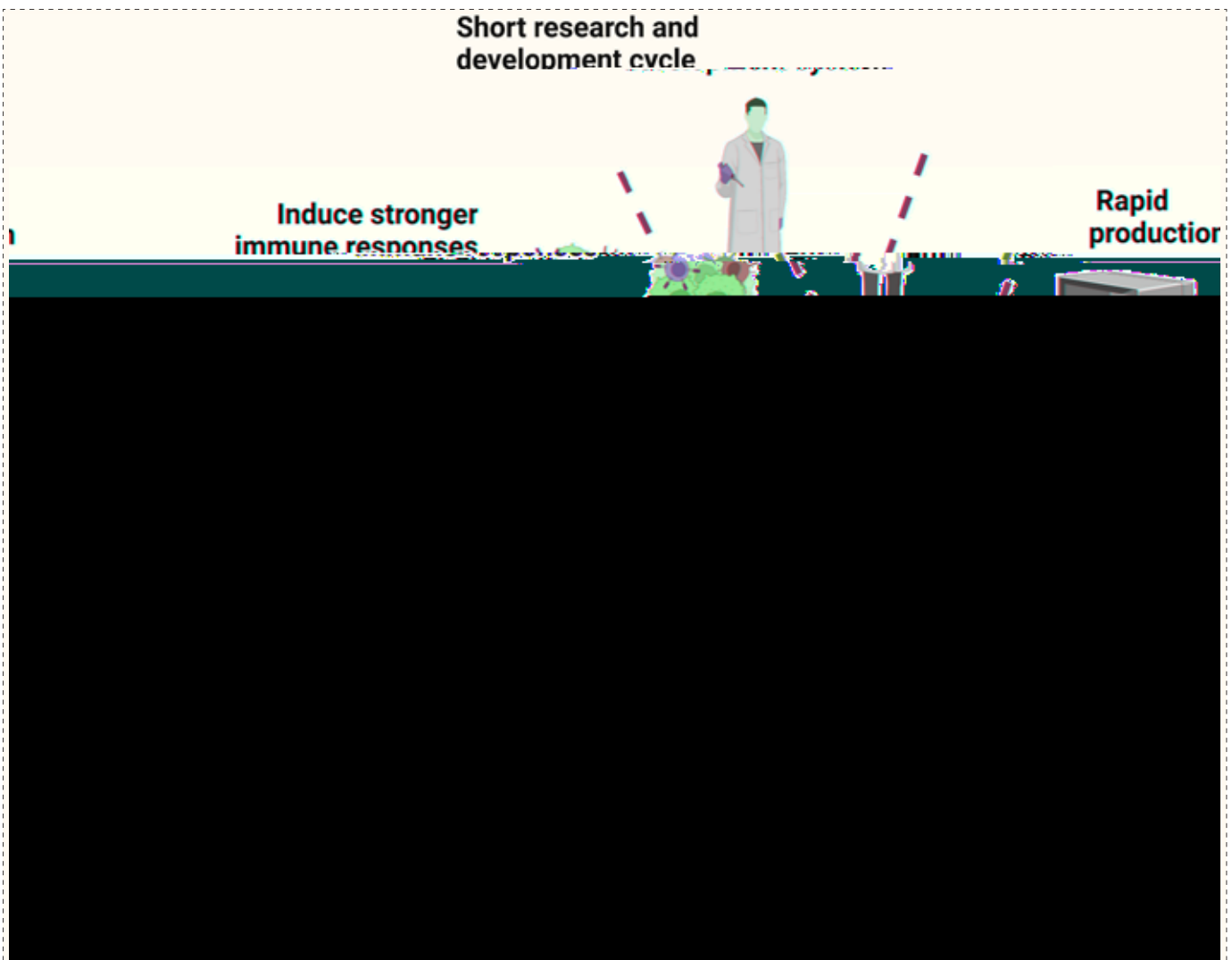
-
-
- DNA
-
-

mRNA

mRNA

mRNA

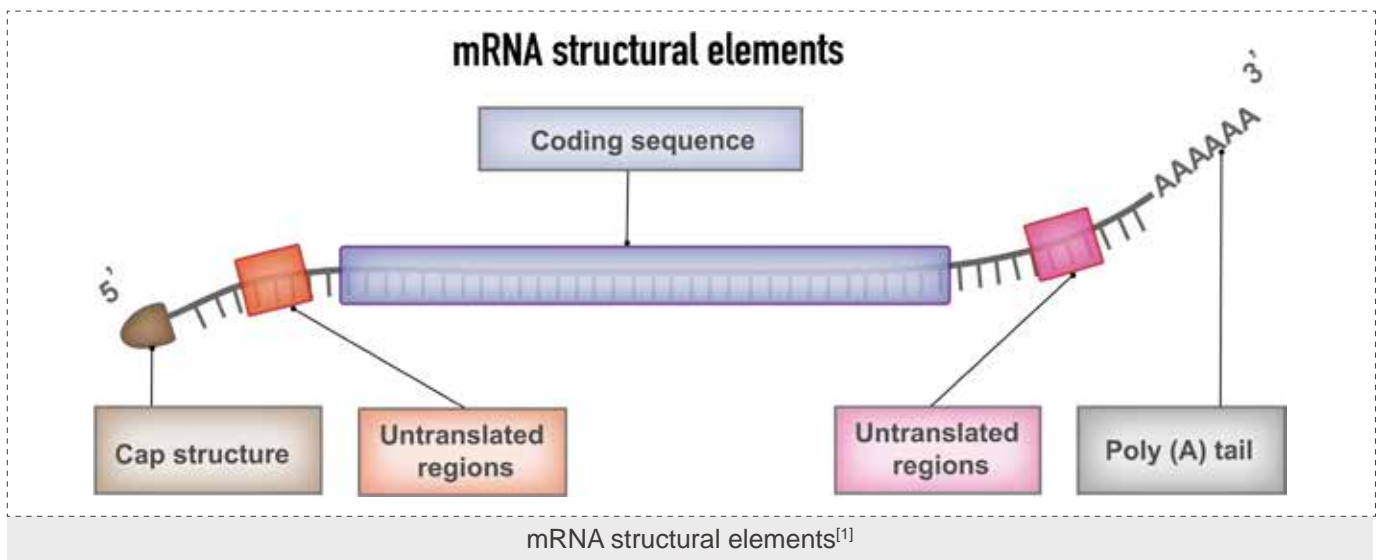
mRNA



The advantages of mRNA vaccines in the context of cancer therapy^[3]

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- mRNA
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mRNA (ORF) (UTR) poly(A) mRNA (UTR) mRNA



- 5' (5'Cap) (m7GpppG) mRNA 5' mRNA
- 5'-UTR 3'-UTR 5'-UTR 3'-UTR mRNA
- (ORF) mRNA
- Poly(A) tail mRNA Poly(A) tail 5' cap mRNA
- mRNA

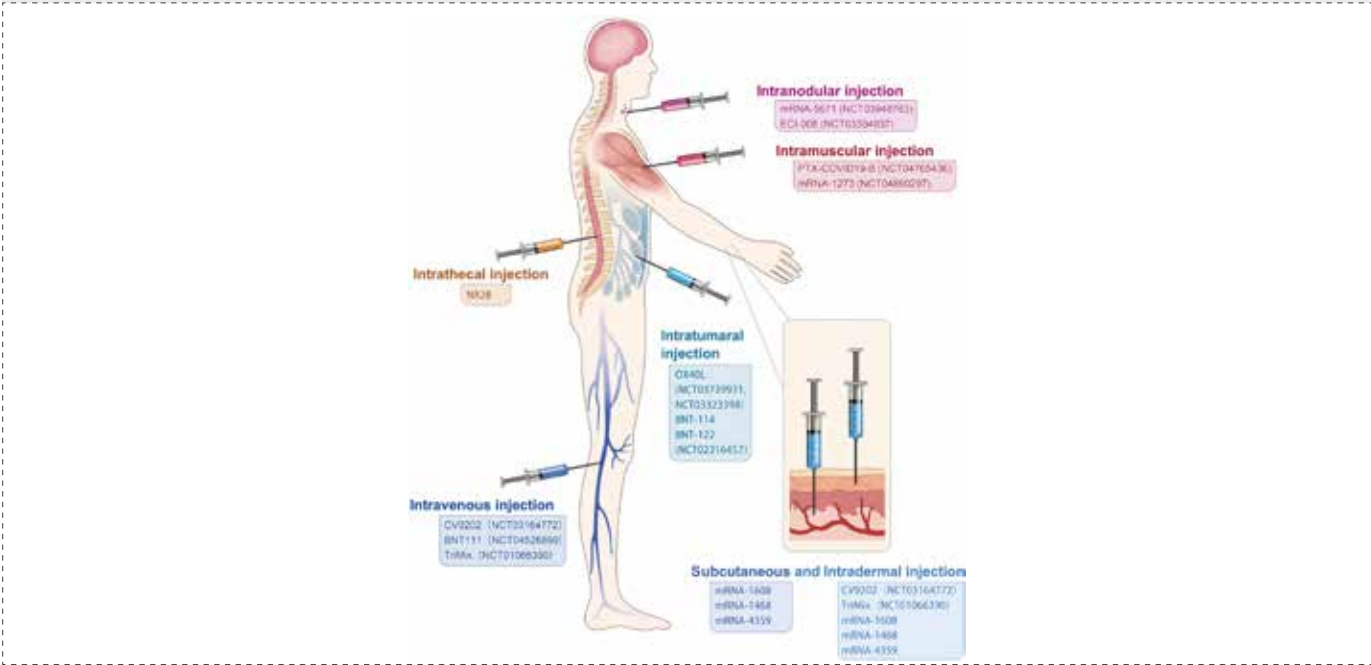
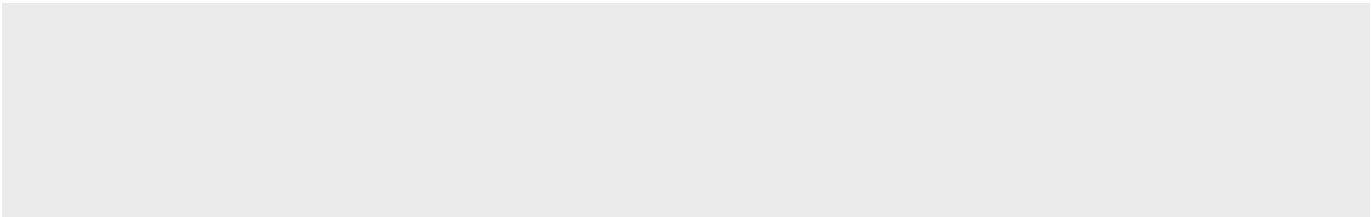
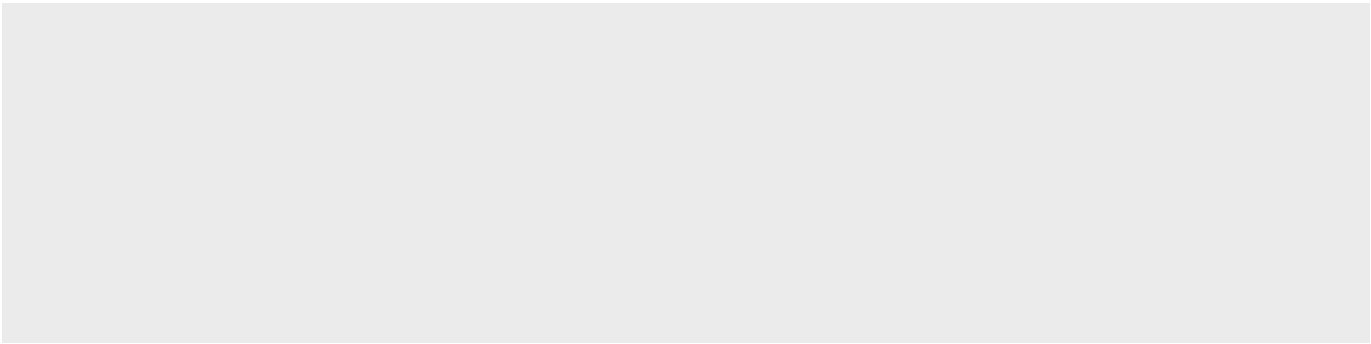
- TLR TLR4 MPLA TLR7 Imiquimod
- STING
- TriMix CD40 CD70 TLR4 mRNA
- (GM-CSF)
- mRNA

mRNA :

- (LNP) mRNA
- mRNA RNase
- mRNA LNP mRNA
- (PEI) I- (PLL) (PAMAM) (PBAE)
- mRNA (CPPs)
- mRNA TLR7/8
- mRNA /

mRNA

mRNA



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-
-

• SD FOB, SD

mRNA

mRNA

mRNA

mRNA

mRNA

mRNA

mRNA

mRNA

mRNA

[1]. Yashavantha L Vishweshwaraiah, et al. mRNA vaccines for cancer immunotherapy. *Front Immunol.* 2022 Dec 14;13:1029069. doi: 10.3389/fimmu.2022.1029069.

[2]. Cathrine Lund Lorentzen, et al. Clinical advances and ongoing trials on mRNA vaccines for cancer treatment. *Lancet Oncol.* 2022 Oct;23(10):e450-e458. doi: 10.1016/S1470-2045(22)00372-2.

[3]. Bolin Wang, et al. Recent advances in mRNA cancer vaccines: meeting challenges and embracing opportunities. *Front Immunol.* 2023 Sep 6;14:1246682. doi: 10.3389/fimmu.2023.1246682.

[4]. Youhuai Li, et al. mRNA vaccine in cancer therapy: Current advance and future outlook. *Clin Transl Med.* 2023 Aug;13(8):e1384. doi: 10.1002/ctm2.1384.

[5]. Yuan Yuan, et al. Advances of mRNA vaccine in tumor: a maze of opportunities and challenges. *Biomark Res.* 2023 Jan 18;11(1):6. doi: 10.1186/s40364-023-00449-w.

[6]. Youhuai Li, et al. mRNA vaccine in cancer therapy: Current advance and future outlook. *Clin Transl Med.* 2023 Aug;13(8):e1384. doi: 10.1002/ctm2.1384.



400-780-8018
www.medicilon.com.cn

marketing@medicilon.com

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