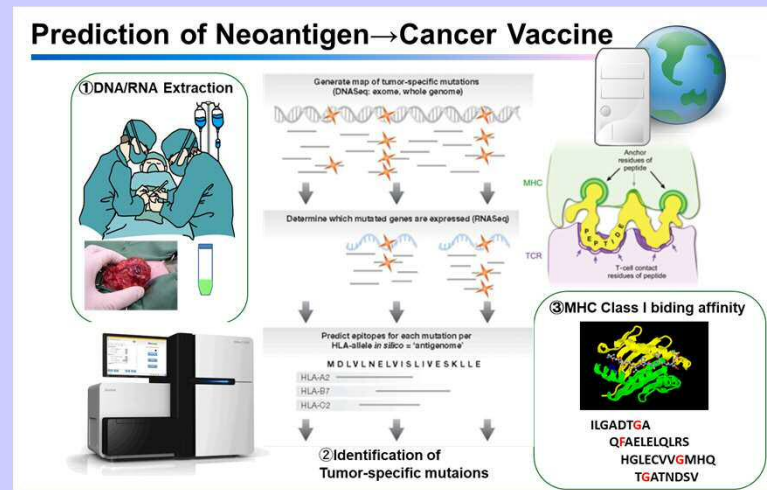


Development of Cancer Vaccines Targeting Neoantigens

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Research Area

1. Prediction of neoantigens using NGS
2. mRNA vaccine production
3. Peptide vaccine production
4. Evaluation of the anti-tumor immune response of the vaccine formulations
5. Optimization of neoantigen vaccines



Recent Activities

- Nagaoka K, et al. Identification of Neoantigens in Two Murine Gastric Cancer Cell Lines Leading to the Neoantigen-Based Immunotherapy. *Cancers (Basel)*. 2021;14(1).
- Sun C, Nagaoka K, et al. Immunotherapies targeting neoantigens are effective in PD-1 blockade-resistant tumors. *Int J Cancer*. 2023;152(7):1463–75.