

Tissue extracellular peptide patterns dedicated for generation of anti-cancer vaccines against salivary gland tumor, identification and isolation of salivary gland tumor specific T cells in humans

## About technology

Immunoprecipitation (IP) is a widely used method for neoantigen screening. However, this approach has technical limitations such as antibody dependence/bias, cost, time-consuming and inapplicability in non-human models due to lack of effective antibodies.

The invention includes the application of a benign acid elution method to salivary gland patient tissues for the screening and quantification of neoantigens. This novel approach facilitates the screening of neoantigens directly from patient samples, such as a tumour.

The proposed solution is low-cost, repeatable and fast, making it applicable to many industries.



## Research Team:

PhD Sachin Kote  
Prof. Natalia Marek-Trzonkowska  
PhD Artur Piróg  
PhD Jakub Faktor  
Prof. UG, dr hab. Paulina Czaplewska

## IP protection

The invention is the subject of a European patent application  
**EP23182547.2** and **PCT/EP2023/085716**

## Implementation progress

**TRL 4** –Technology validated in laboratory conditions

## Cooperation opportunities

- Licensing agreement
- Transfer of ownership
- Spin off

