

Outcome of the IHI JU Science and Innovation Panel on ideas submitted for potential IHI topics

Reference number of the idea: N° TI_001311

Enabling early prediction of immune-related gastrointestinal toxicity in cancer immunotherapy

Overall opinion

Predicting “toxicity” or rather immune-related adverse events (irAEs) more dynamically than possible with current biomarkers is a very relevant and potentially promising topic. However, the focus of the idea may be rather too narrow: why gastrointestinal manifestations only if the issue (irAEs) is systemic?

The currently formulated idea on new “markers” and new approaches to integration of data appear promising in view of a better individualized modelling of AEs (and treatment effects), but would benefit from a larger framing.

Given the rapidly growing body of publications on individual potentially predictive biomarkers, the focus should likely be on data integration and modelling and possibly on facilitating clinical trials (which is not addressed in the idea) rather than on the discovery of more new markers.

At this stage, the currently formulated idea is not yet mature for obtaining a favourable opinion from the SIP. Therefore the SIP recommends not to keep this idea for consideration.