

5 April 2019



HLA-DQ-peptide modelling for celiac disease

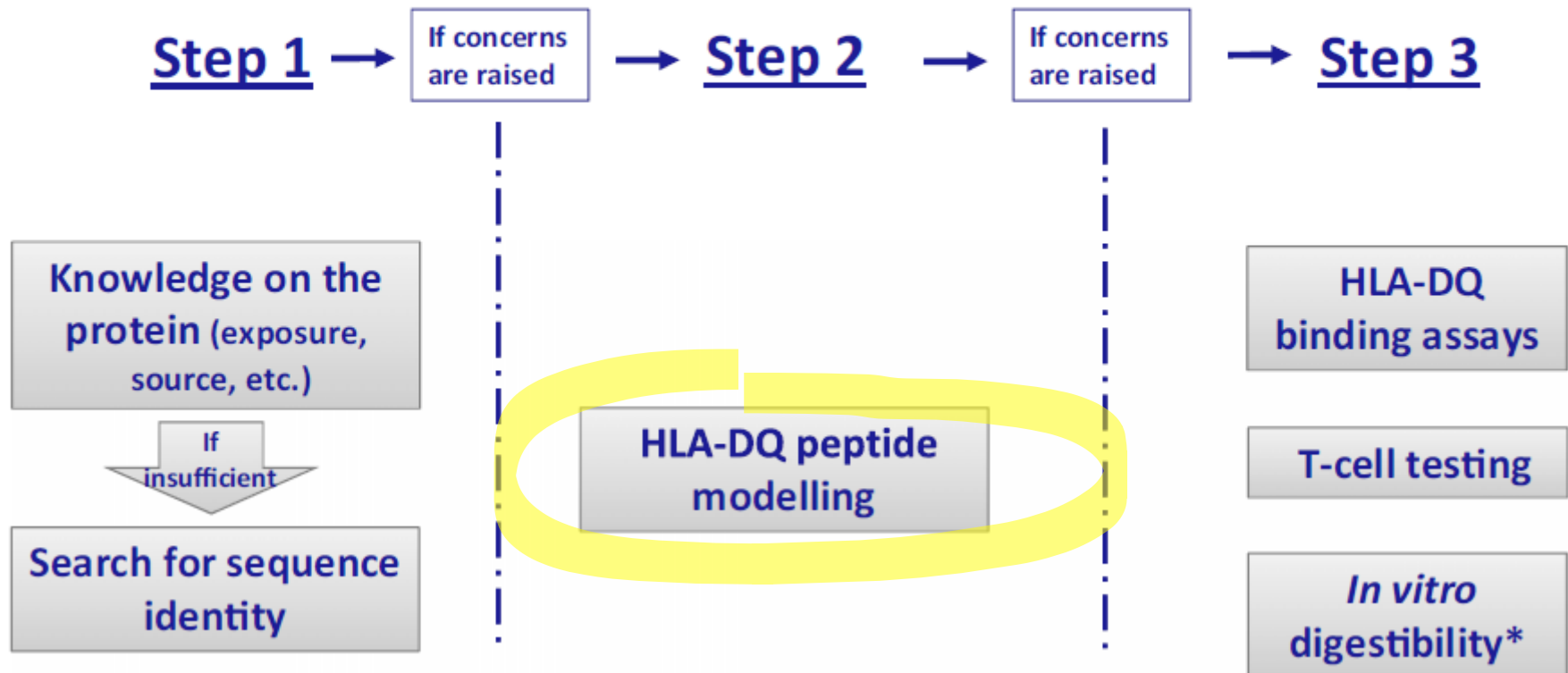
Trusted science for safe food

MODELLING

Main aspects to highlight

- EFSA procurement launched to develop a publicly available software
- When is modelling expected? What triggers this step?
- Experience from the applicant on peptide modelling regarding celiac disease?

Stepwise approach for risk assessment



IN SILICO TOOLS - MODELLING/CELIAC DISEASE

OC/EFSA/GMO/2019/01

**HLA-DQ peptide modelling software –
Developing a software tool for peptide
modelling regarding its capacity to bind to HLA-
DQ molecules (and to activate T-cells)**

1. Collecting info on tools available for protein modelling related to celiac disease
2. Developing a software tool for predicting the capacity of a protein to cause celiac disease based on peptide binding to specific molecules and activation of immune cells
3. Testing and adjusting the software tool

<https://etendering.ted.europa.eu//cft/cft-display.html?cftId=4505>

Deadline for submission 8/4/2019 at 14:30(CET)



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