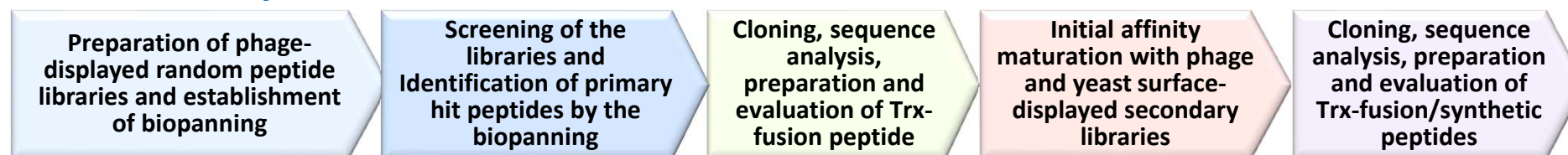


Helix-loop-helix peptide TIM-3 inhibitor

Concept:

- ◆ We identify injectable helix-loop-helix TIM-3 inhibitor as an immune checkpoint inhibitor of the next generation.
- ◆ Such peptide can be alternatives to anti-TIM-3 antibody drugs and is expected to be more easily used beyond antibody-treated segments.

Research history:



Present status and future scope:

1. The activities (K_D for TIM-3, nM) of representative samples are summarized in the table below.
2. Based on the present situation, we would like to propose the following collaborative researches:
 - ✓ Assessment of *in vitro* functional activities (ex. binding inhibition of TIM-3/galectin-9 etc.) with Trx-fusion or synthetic peptide by Debiopharm itself or CRO (ex. Shanghai Medicilon) under sponsorship of Debiopharm.
 - ✓ Preparation of albumin-binding synthetic peptide sample(s) that showed good inhibitory activity of TIM-3-related function by Interprotein.
 - ✓ Evaluation of *in vivo* efficacy of the synthetic (TIM-3- and albumin/Fc-binding) peptide by pharm itself or CRO.

Peptide samples	Hit peptide	Mutant peptides				
	IT-01	IT-201	IT-202	IT-203	IT-204	IT-205
Trx-fusion	3200	23	10	89	18	4.7
Synthetic	350	N.P.	5.2	N.P.	N.P.	N.P.

N.P.: Not prepared.