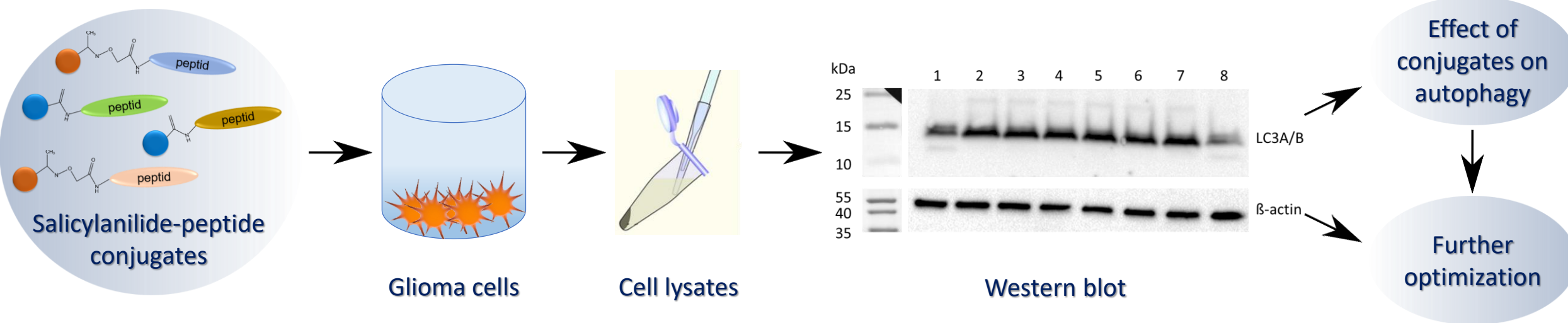


Study of autophagy induction of salicylanilide derivatives: training of Western blot technique

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Synthesis / method / protocol: Synthesis of salicylanilide (2-hydroxy-*N*-phenylbenzamide) – carrier peptide conjugates. Treating glioma cells with the conjugates, cell lysis. Study of autophagy marker expression of the cells with Western blot technique.

Scientific Goal: Our aim was to synthesize tumor targeting salicylanilide-carrier peptide conjugates, and to study and compare the effect of the bioconjugates on autophagy using Western blot technique in a glioma cell line.

Result: Optimization of Western blot technique using salicylanilide derivatives. The effect of these compounds on autophagy is comparable with clinically used control and differ from the untreated control.