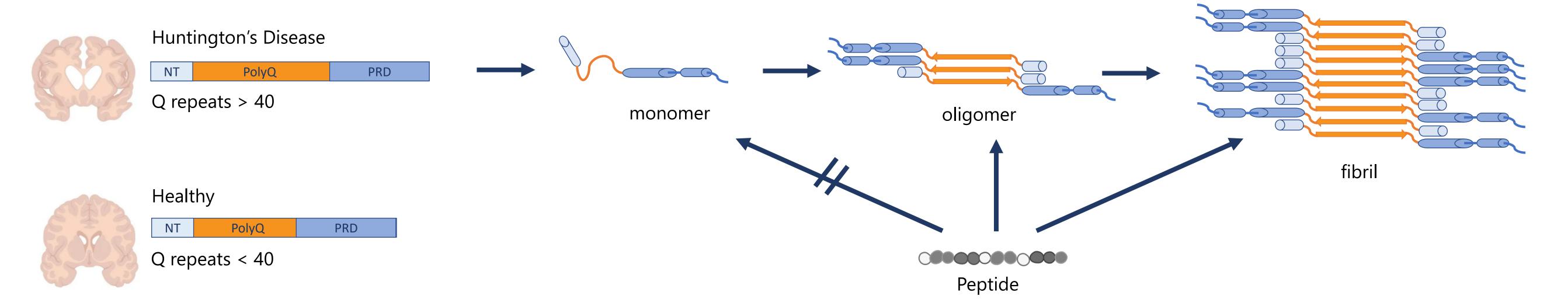
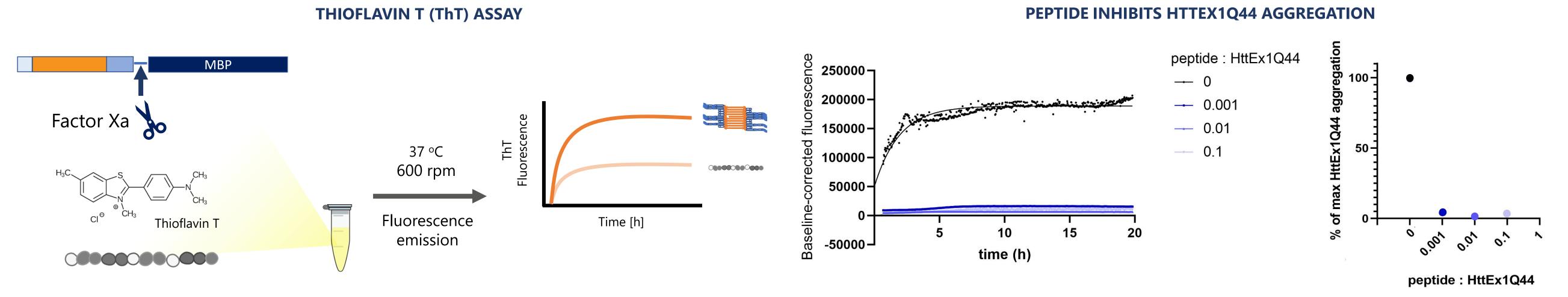
Peptide-based strategy to target Huntingtin fibrils

Françoise A. Dekker^{1,2}, Guy Mayer³, Júlia Aragonès Pedrola^{1,2}, Tommaso Garfagnini^{3,4}, Assaf Friedler³, Stefan G. D. Rüdiger^{1,2} f.a.dekker@uu.nl

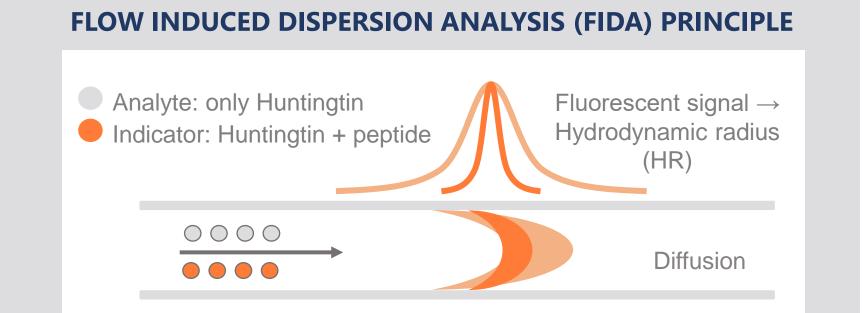


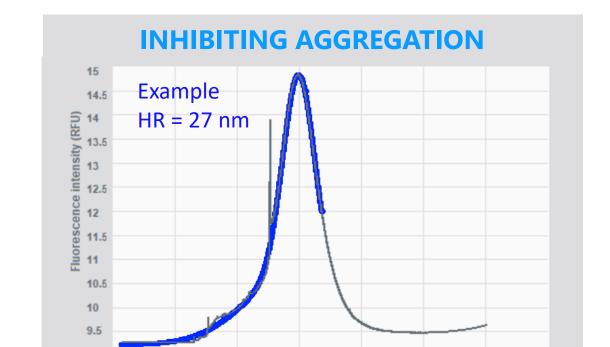


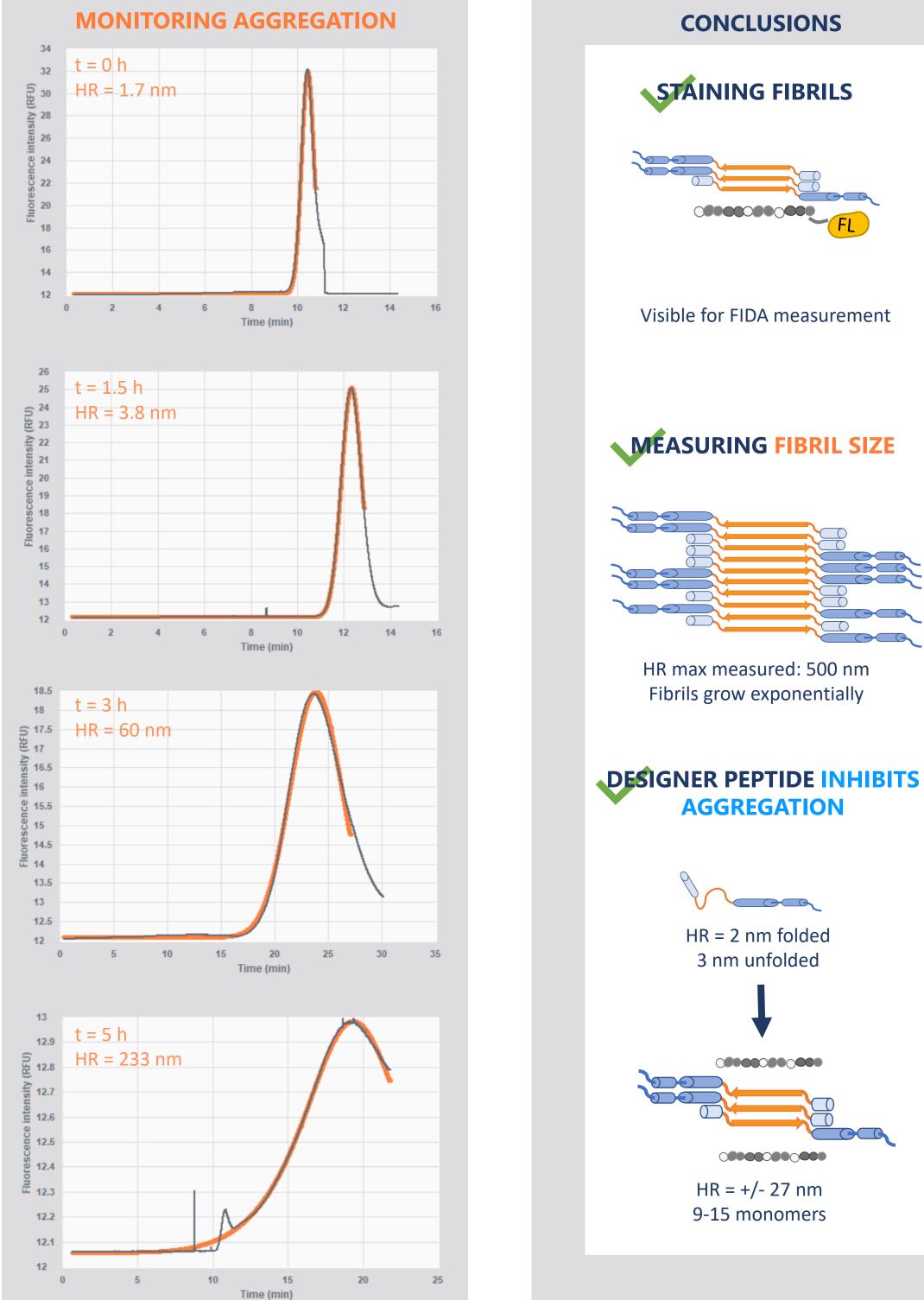
CAN WE INHIBIT HUNTINGTIN AGGREGATION?



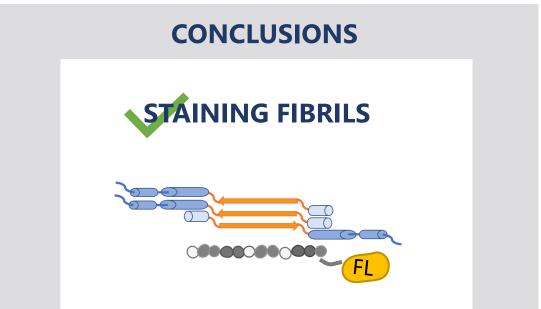
CAN WE DETERMINE THE INHIBITION EFFECT ON HUNTINGTIN FIBRIL SIZE?







ZonMw



Visible for FIDA measurement

HR max measured: 500 nm

Fibrils grow exponentially

AGGREGATION

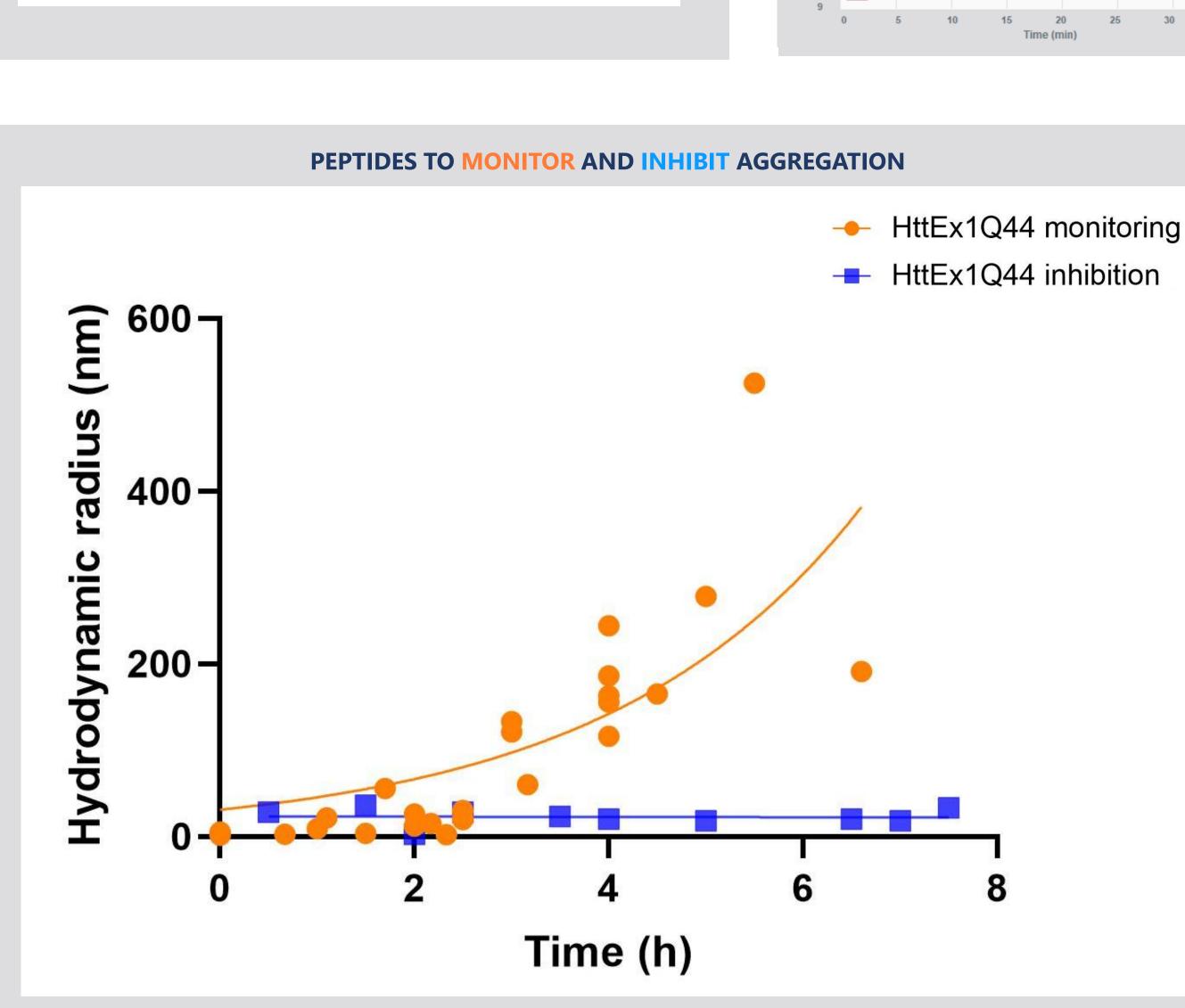
0000000000000

HR = +/- 27 nm

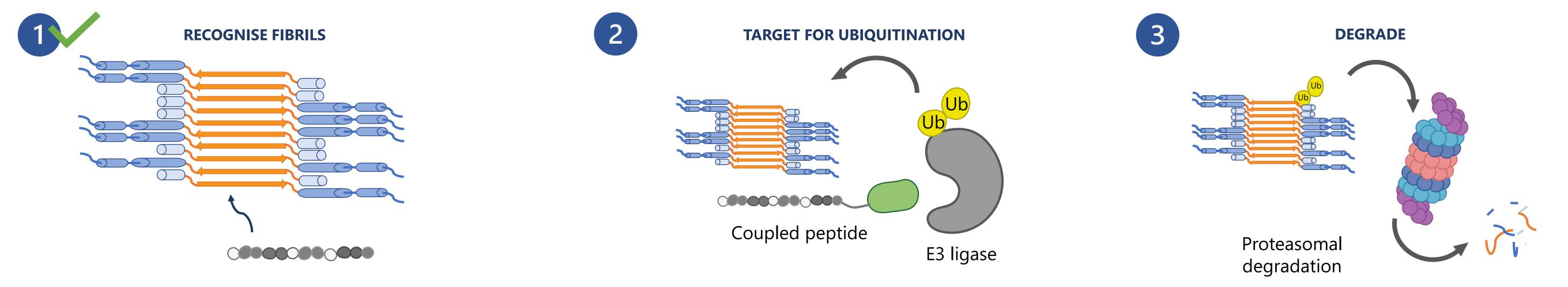
9-15 monomers

HR = 2 nm folded

3 nm unfolded



HOW DO WE ENVISION OUR NEXT STEPS?



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> alzheimer nederland

Utrecht

Huntington