

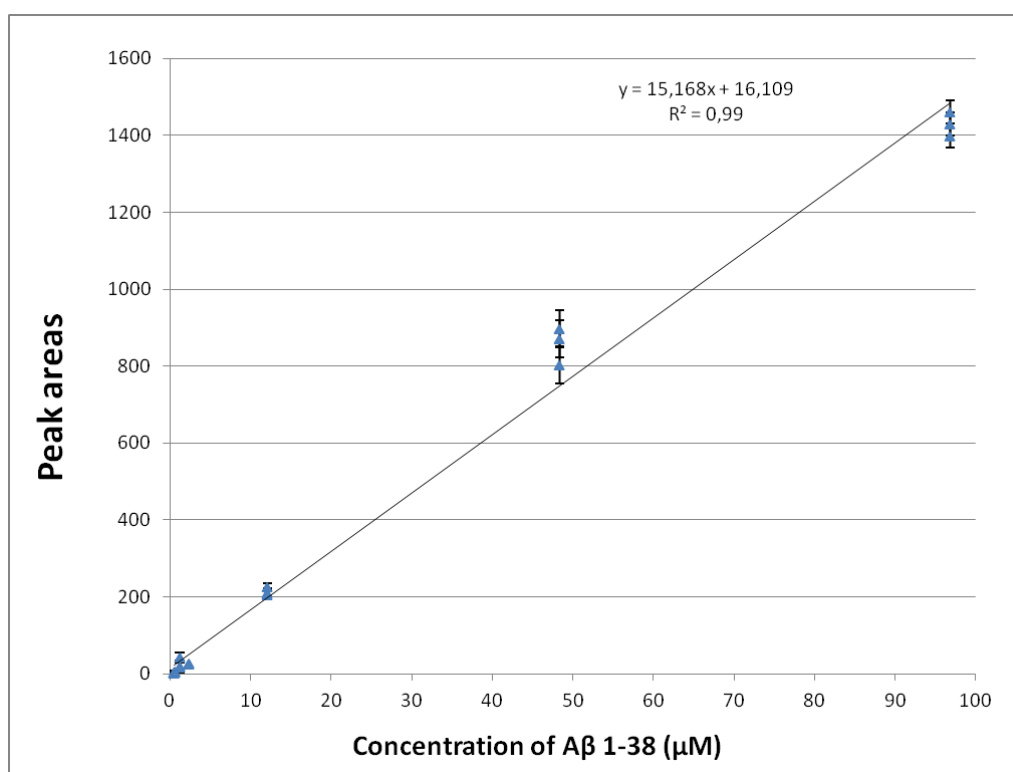
Electronic Supplementary Information

***Neutral polymers as coatings for the high resolution electrophoretic separation of A $\beta$  peptides on glass microchip***

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**Figure 1:** Calibration curve of the method, representing the peak area as a function of the concentrations of the A $\beta$  1-38 present in the sample. For each concentration, three analyses were performed. The error bars represent the corresponding standard deviations.

The linearity of the detection was assessed by performing triplicate analyses of A $\beta$  1-38 solutions at concentrations ranging from 0.48 to 100  $\mu$ M. For each of the seven concentrations investigated, the absolute areas were plotted against the concentration.