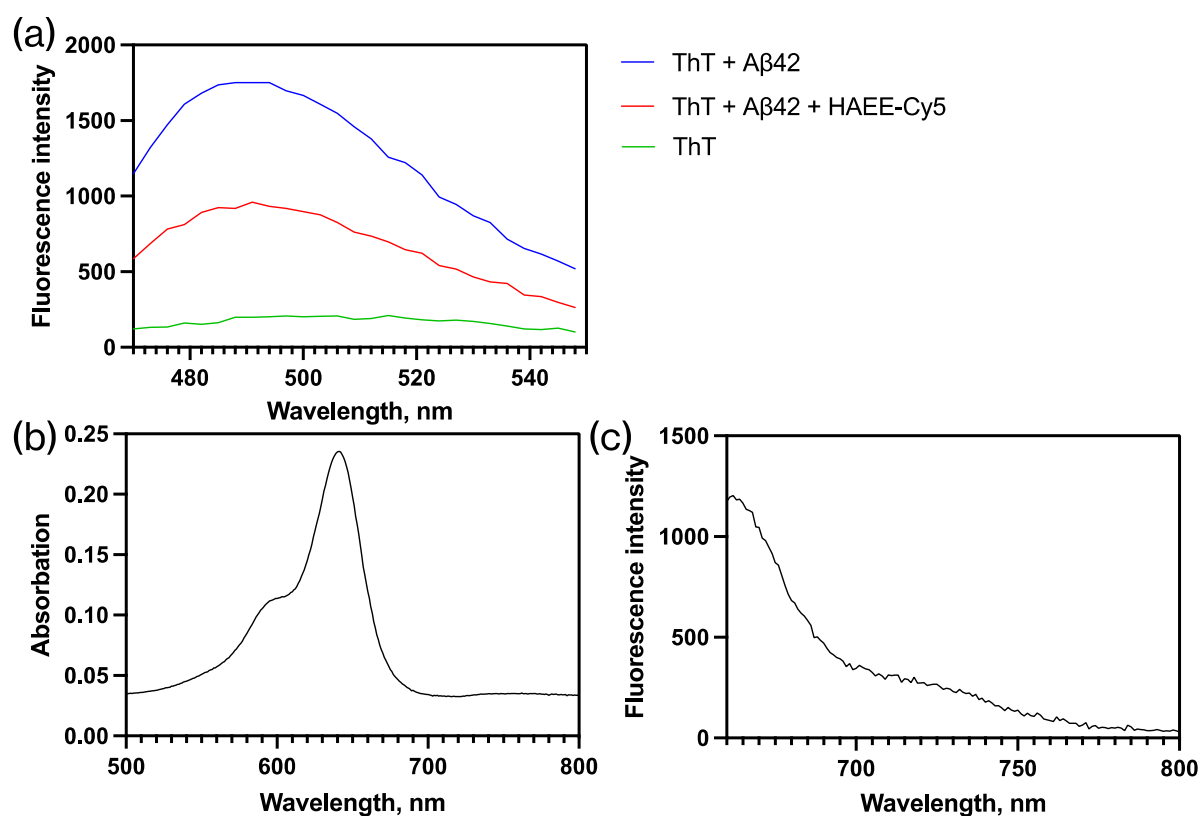


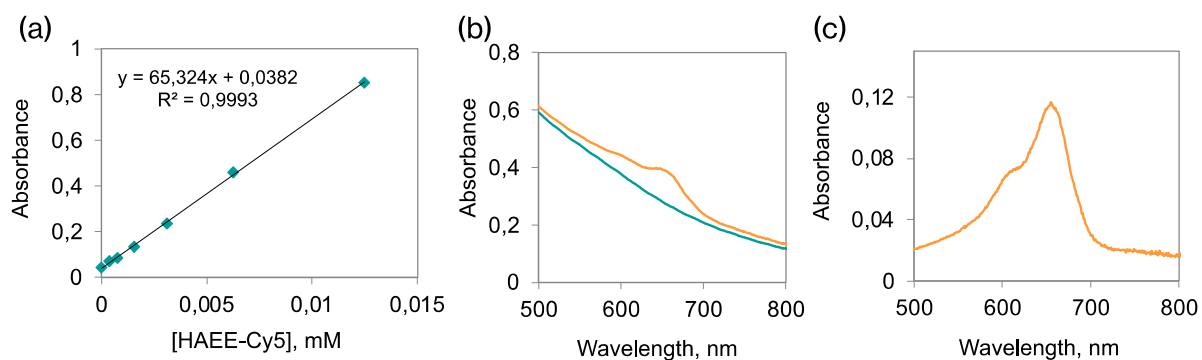
## **Supplementary Materials**

# **Targeted Magnetic Nanoparticles for Beta-Amyloid Detection**

**Nelly S. Chmelyuk, Aleksey A. Nikitin, Veronika V. Vadekhina, Vladimir A. Mitkevich  
and Maxim A. Abakumov**



**Figure S1.** (a) ThT fluorescence spectra after 2h incubation; (b) Absorption spectrum of HAEE-Cy5; (c) Fluorescence spectrum of HAEE-Cy5.



**Figure S2.** (a) Calibration curve; (b) MNPs-DOPAC-PEG and MNPs-HAEE-Cy5 absorbance in water solution; (c) MNPs-HAEE-Cy5 absorbance after subtraction MNPs-DOPAC-PEG absorbance.

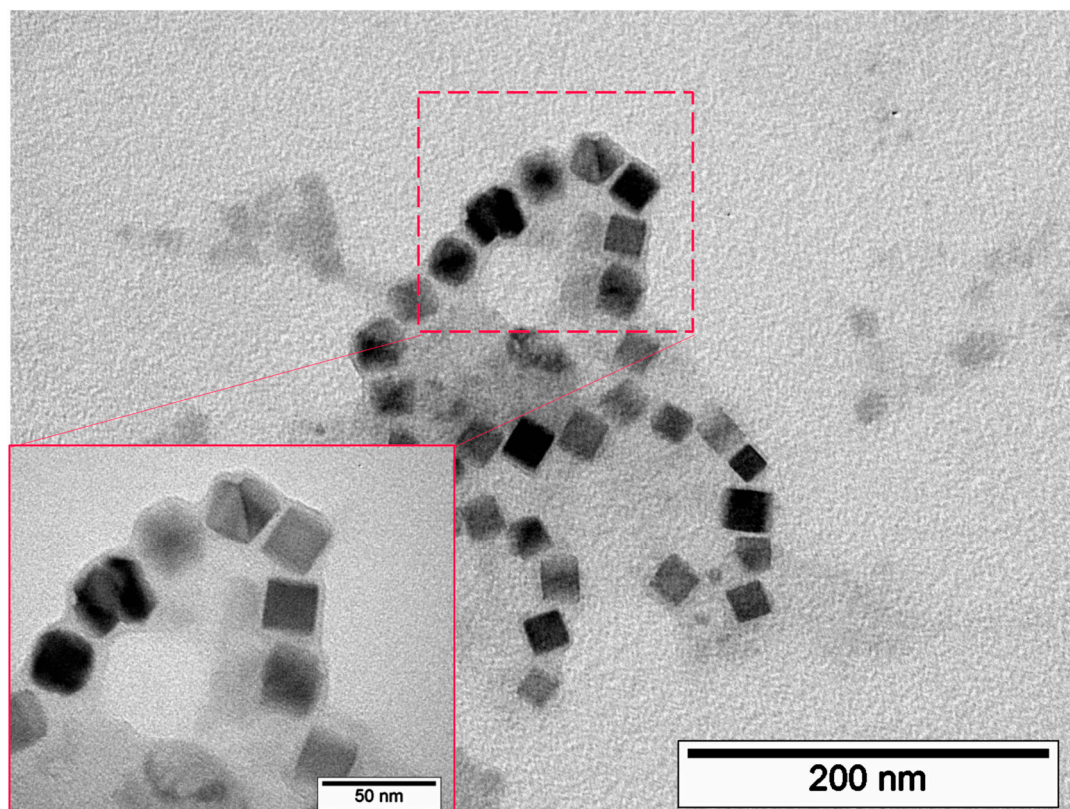


Figure S3. TEM-image of MNPs-HAEE-Cy5.

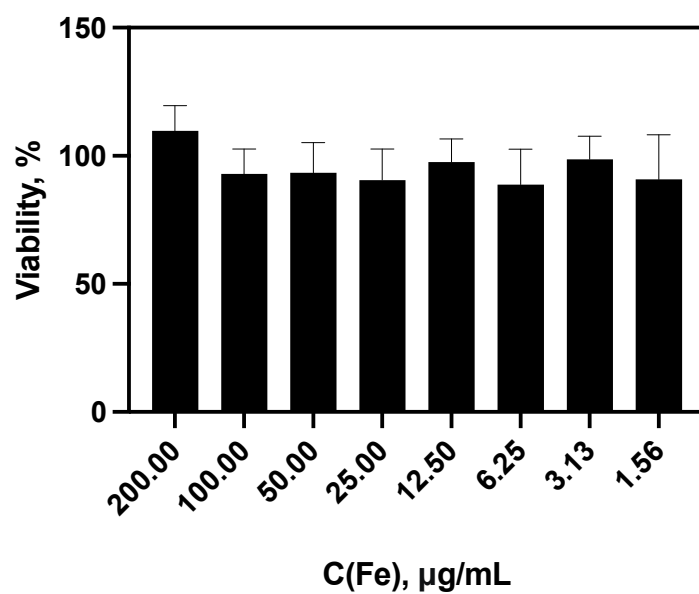


Figure S4. Cytotoxicity of MNPs-HAEE-Cy5.