Cell damage produced by magnetic fluid hyperthermia on microglial BV2 cells

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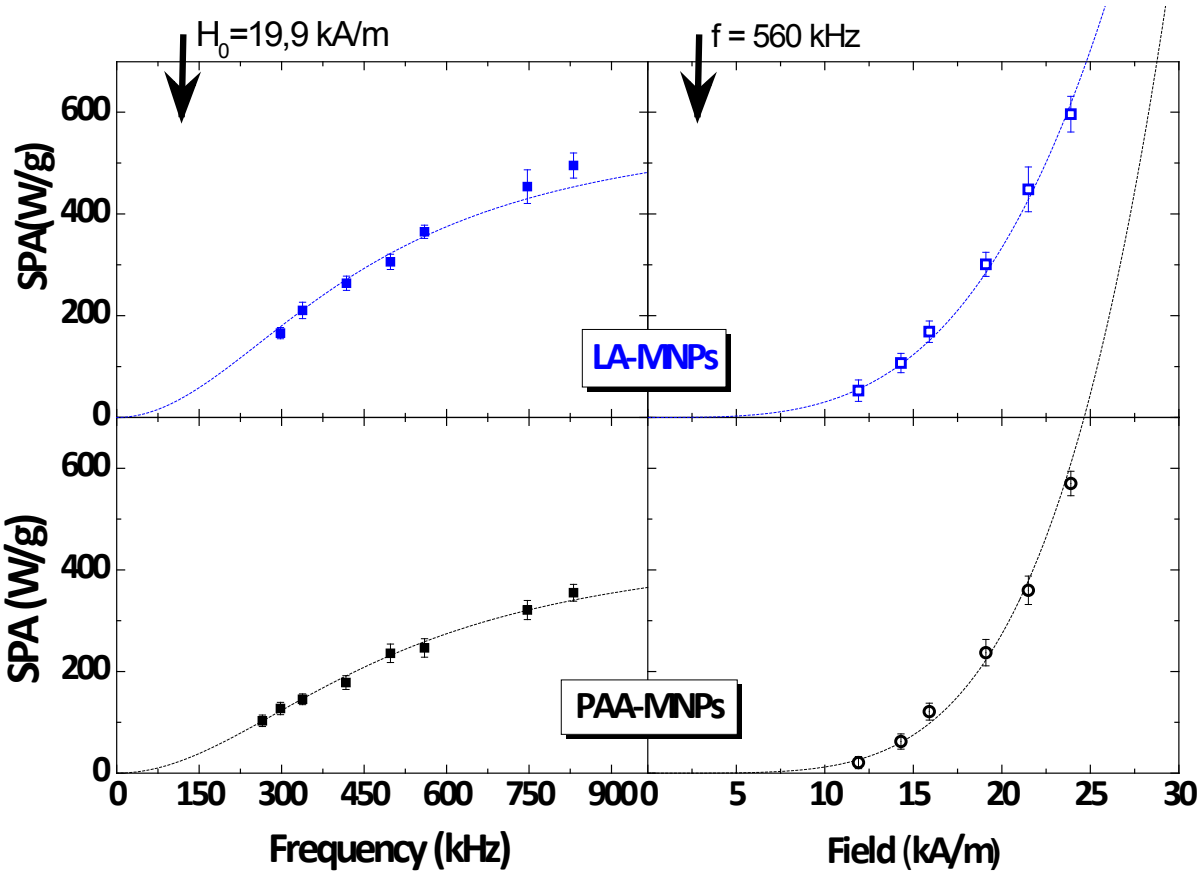

Figure S1. SPA measured (n = 3=) within the frequency range of 229-831kHz and amplitudes of the magnetic field of 3,9 -24,9 kA/m for both samples dispersed in water. The dashed lines are the fits of experimental data using the expression $\boldsymbol{SPA(H_0, f) = AH_0^2\left(\frac{Bf^2}{1+(Bf)^2}\right)}$ (see also equation 1 in the text).

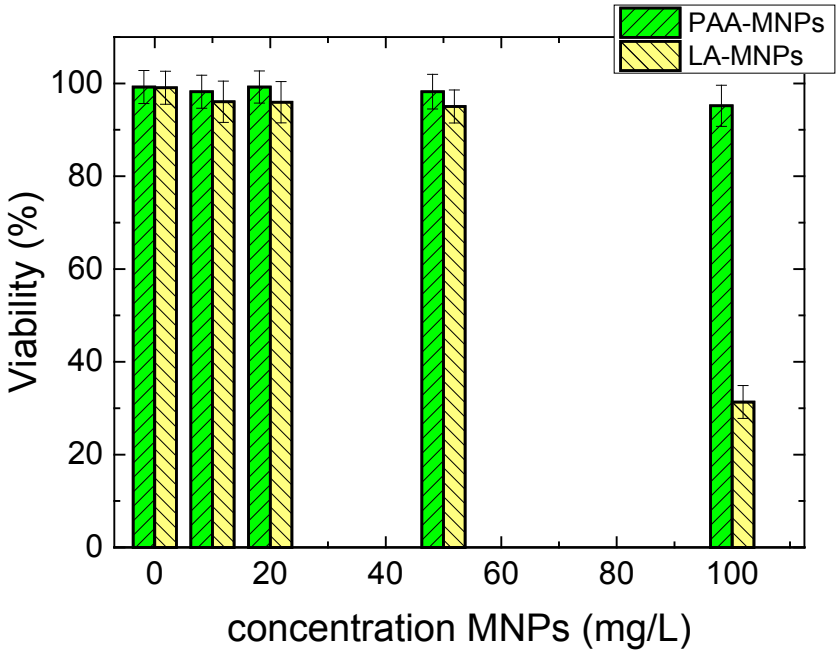

Figure S2. Viability of BV2 cells as measured by Trypan blue exclusion assay. The cells were treated with PAA-MNPs and LA-MNPs particles during 24 h in concentration values from 10 to 100 μg/mL.

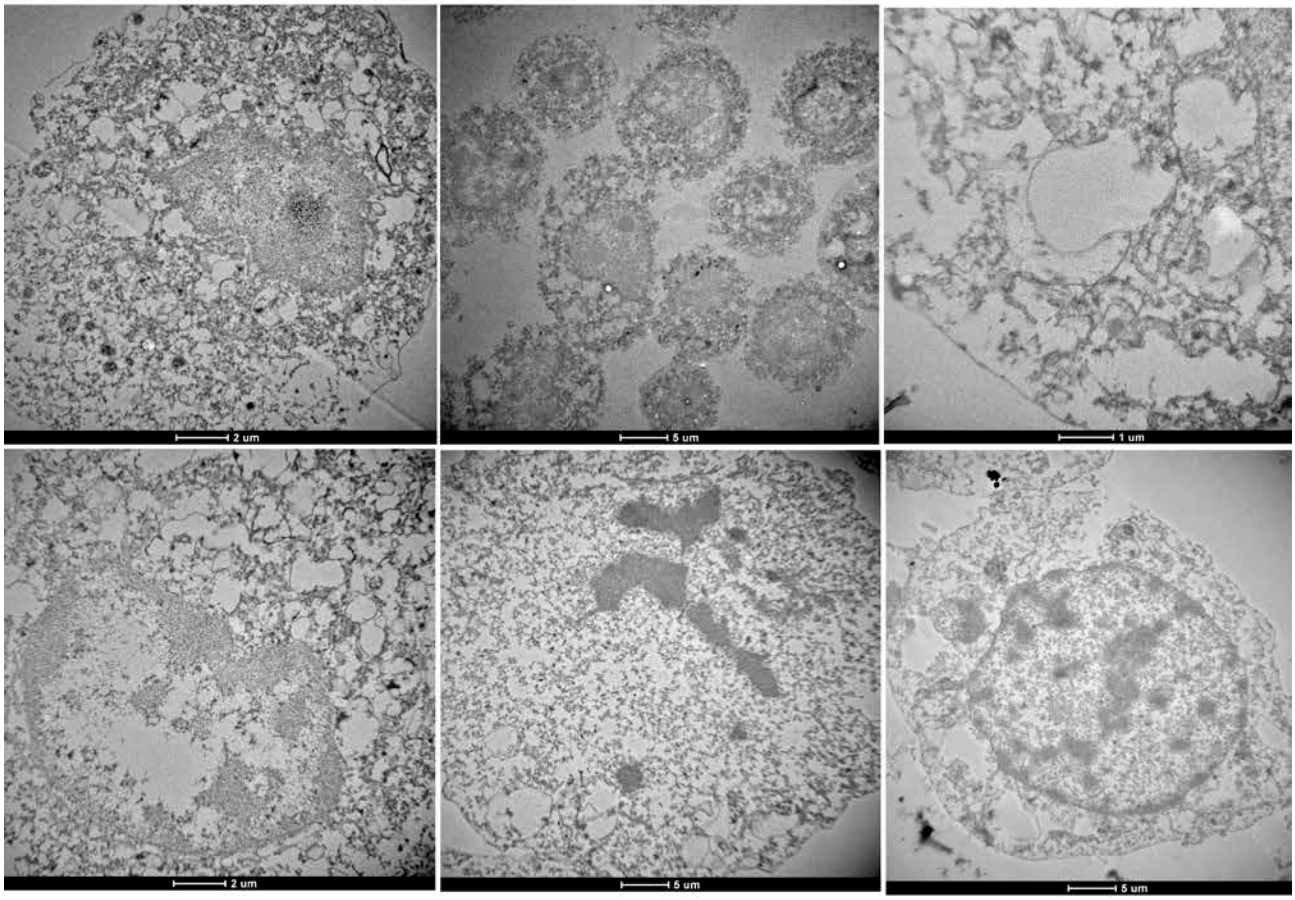

Figure S3. Transmission electron microscopy (TEM) images of BV2 cells 4 hours after WB heating during 30 min at 46ºC

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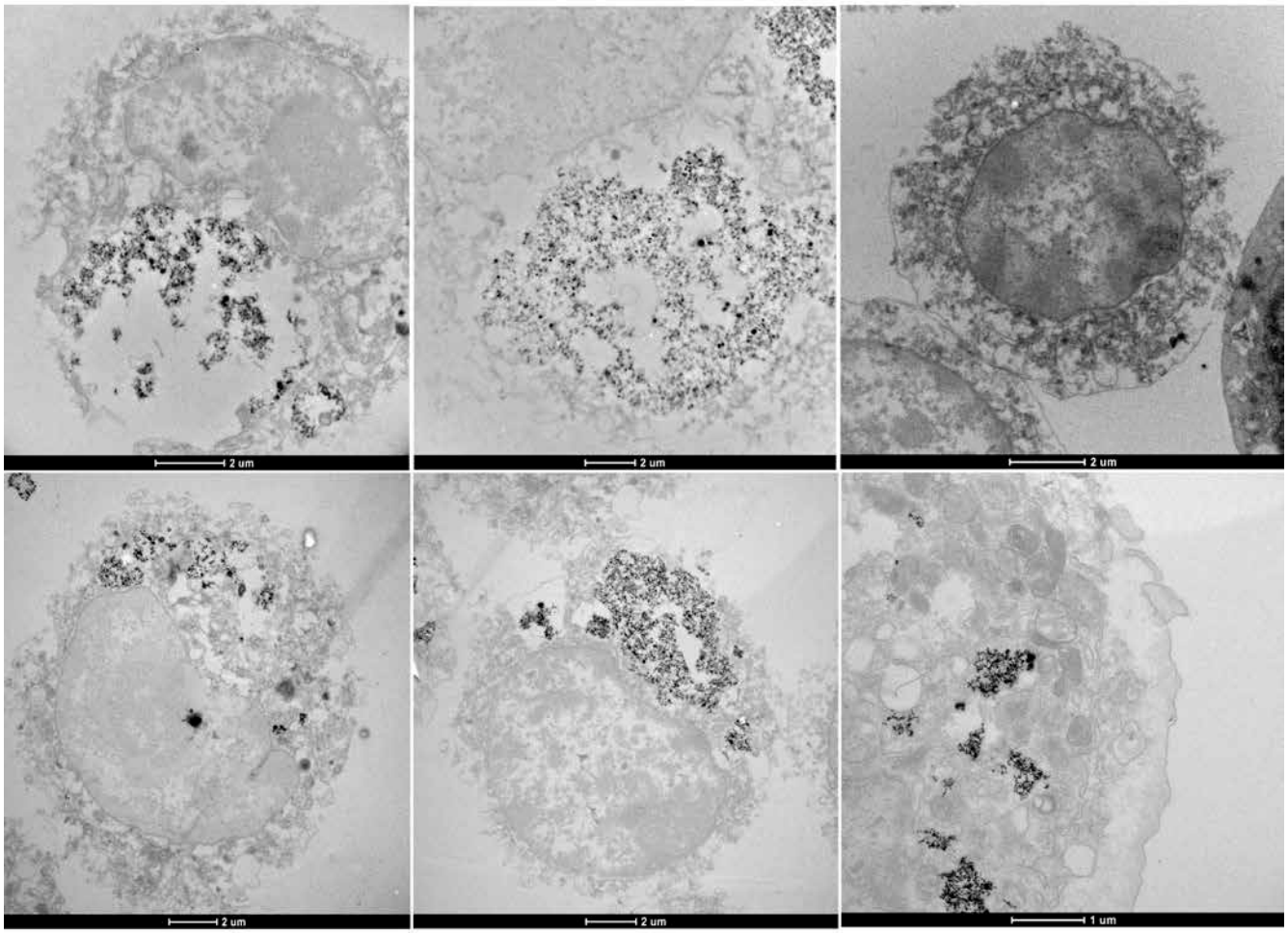

Figure S4. Transmission electron microscopy (TEM) images of BV2 cells incubated for 1 overnight with 100 µg/ml of PAA-MNPs and heated up to 46ºC during 30 min by WB.

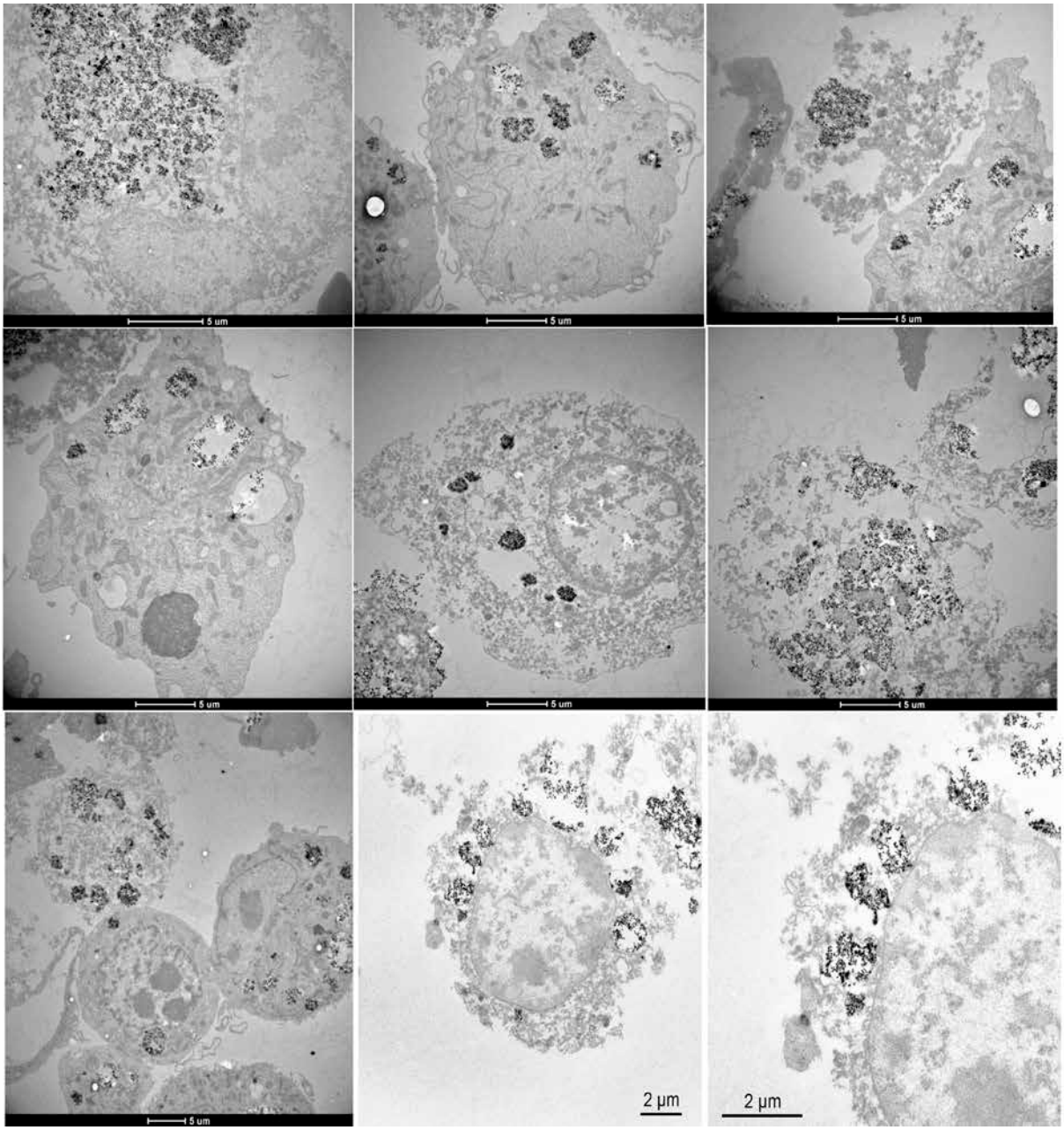

Figure S5. Transmission electron microscopy (TEM) images of BV2 cells incubated for 1 overnight with 100 µg/ml of PAA-MNPs and heated up to 46ºC during 30 min by AMF.