

Supplementary Figs (Fig S1 and S2) Involvement of miR-Let7A in inflammatory response and cell survival/apoptosis regulated by resveratrol in THP-1 macrophages

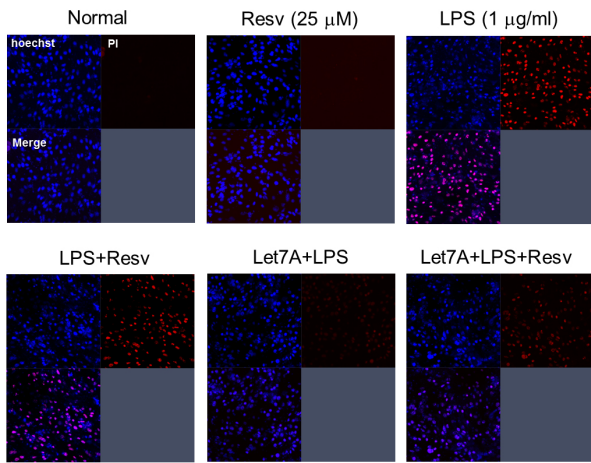


Fig. S1. Regulatory effect of resveratrol and miR-Let7A on LPS-induced apoptosis, respectively and cooperatively. Confocal microscopy analysis was performed to visualize the Hoechst 33258/propidium iodide (PI) staining. THP-1 cells were pretreated with resveratrol or/and Let7A mimic separately or following stimulation with LPS. PI positive cells (apoptotic death cells) are represented by red staining, Nuclear DNA is indicated by DAPI staining (blue color), and the combined images are presented; Normal: non-treated cells, Let7A: miR-Let7A overexpression, Resv: resveratrol (25 μM)

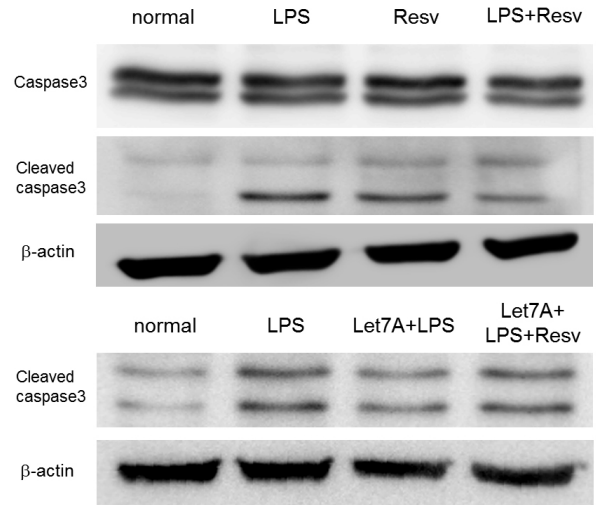


Fig. S2. Involvement of miR-Let7A in apoptotic caspase-3 pathway regulated by resveratrol. Western blot analysis was performed for identification of casepase-3 signaling in macrophages by resveratrol co-treated with or without miR-Let7A, normal: non-treated cells, Let7A (miR-Let7A mimic): Let7A overexpression, Resv: resveratrol (25 μM), LPS: lipopolysaccharide (1 μg/ml)