ADVANCED HEALTHCARE MATERIALS

Supporting Information

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Monocyte-Targeting Supramolecular Micellar Assemblies: A Molecular Diagnostic Tool for Atherosclerosis

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Supplemental Figures and Figure Legends

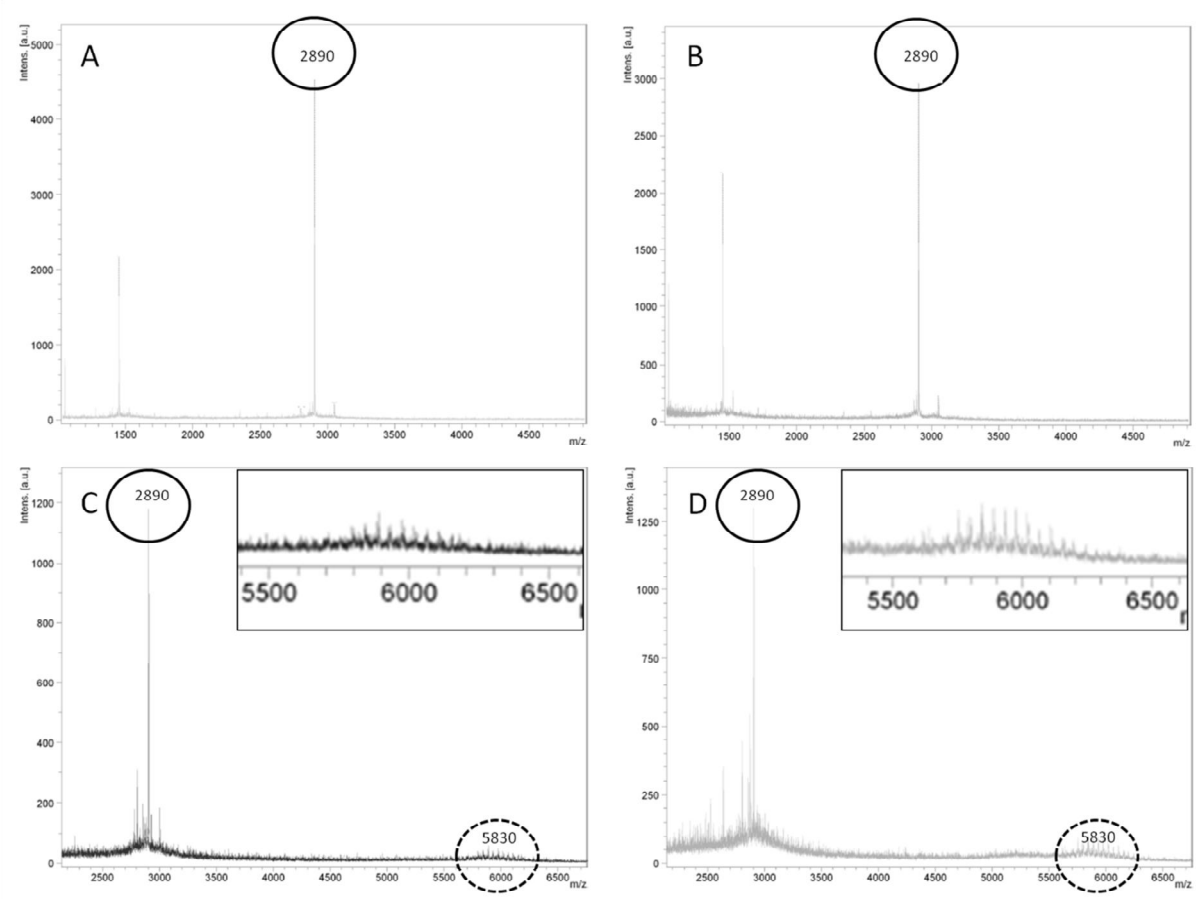

Figure S1. MALDI mass spectroscopy of peptides and peptide amphiphiles. Both **A)** MCP-1 and **B**) scrambled peptides have a mass of 2890 g/mol. **C/D**) Conjugation with DSPE-PEG2000-maleimide shifts the mass of resulting MCP-1 and scrambled peptide amphiphiles to approximately 5830 g/mol.

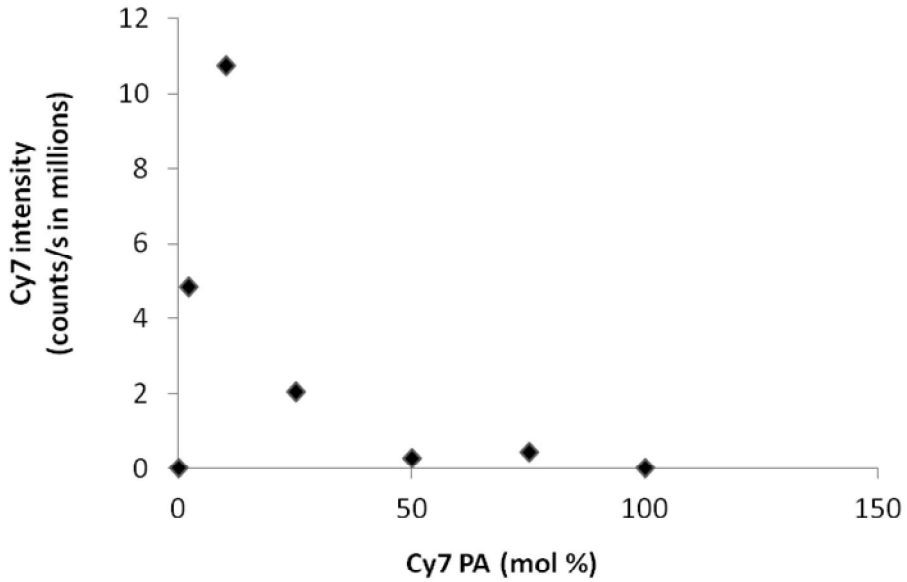

Figure S2. Evaluation of fluorescence quenching of MCP-1 PAMs *in vitro*. The molar content of DSPE-PEG(2000)-Cy7 within a micelle before fluorescence signal quenching occurred was determined to be 10% (100 µM in PBS).

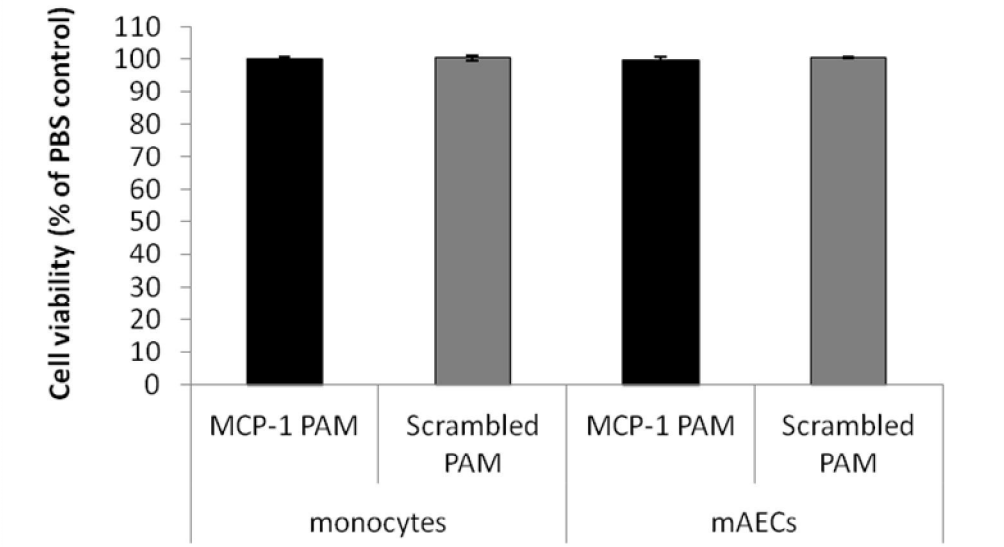

Figure S3. Quantification of Live/Dead viability assay. Data points are mean ± SD and no statistical significance was found between all groups.

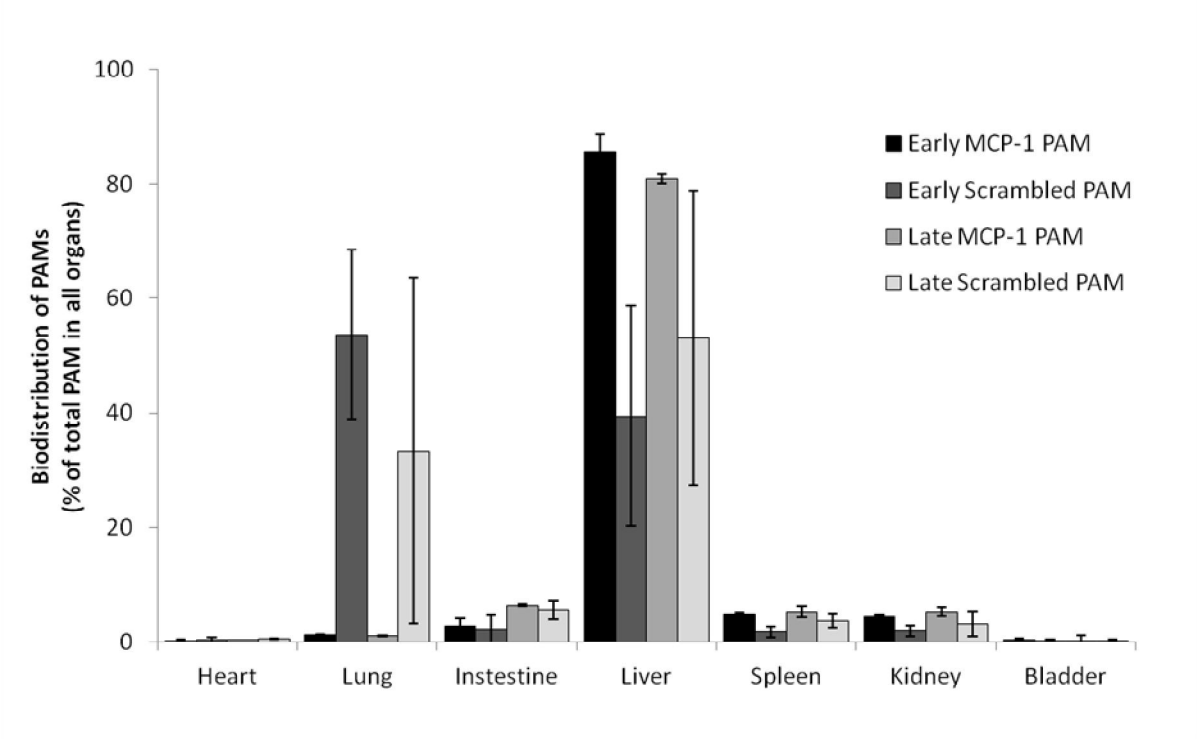

Figure S4. Quantification of PAM biodistribution at 24 hours. Note: Cy7-scrambled PAMs accumulate to a greater extent in the lungs vs. Cy7-MCP-1 PAMs, bladder measurement taken post-urine extraction, and data points are mean ± SD.