Electronic Supplementary Material (ESI) for Polymer Chemistry. This journal is © The Royal Society of Chemistry 2016

## **Supporting Informations**

to

Rational design of functionalized polyacrylate-based high internal phase emulsion materials for analytical and biomedical uses

Gloria Brusotti, Enrica Calleri, Chiara Milanese, Laura Catenacci, Giorgio Marrubini, Milena Sorrenti, Alessandro Girella, Gabriella Massolini, Giuseppe Tripodo

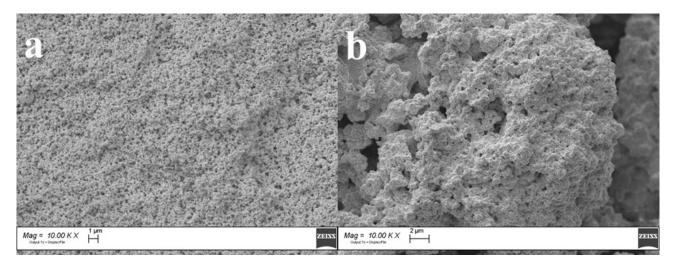
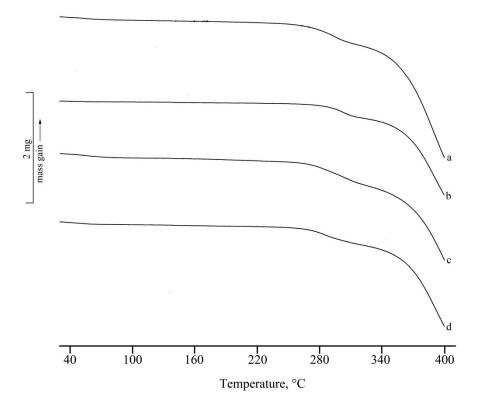


Figure SI1. SEM of a) HIPE 1.0 and b) HIPE 1.1 at 10000 X



**Figure SI2.** TGA curves for a) HIPE 2.0 before THF washing; b) HIPE 2.0 after THF washing; c) HIPE 2.2.1 (THF washed); and d) HIPE 2.3.1 (THF washed).

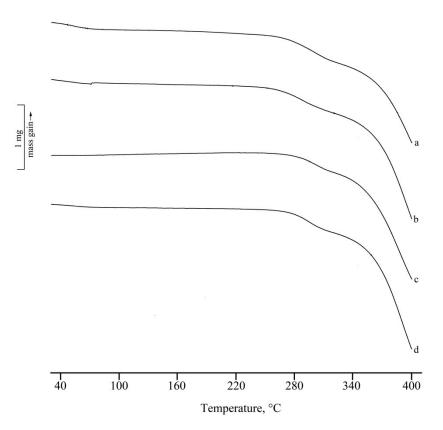
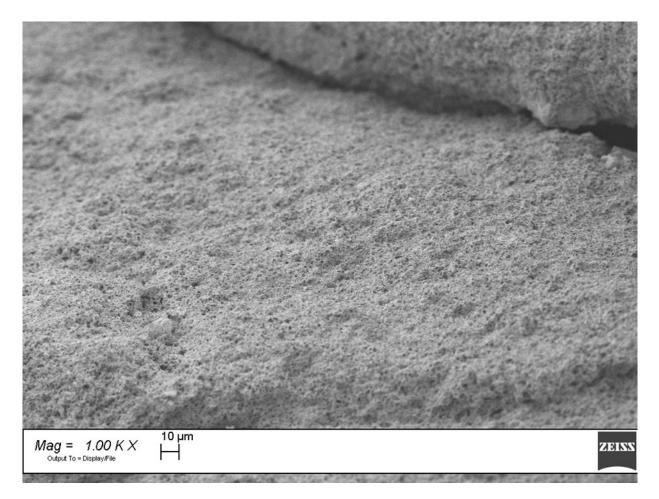
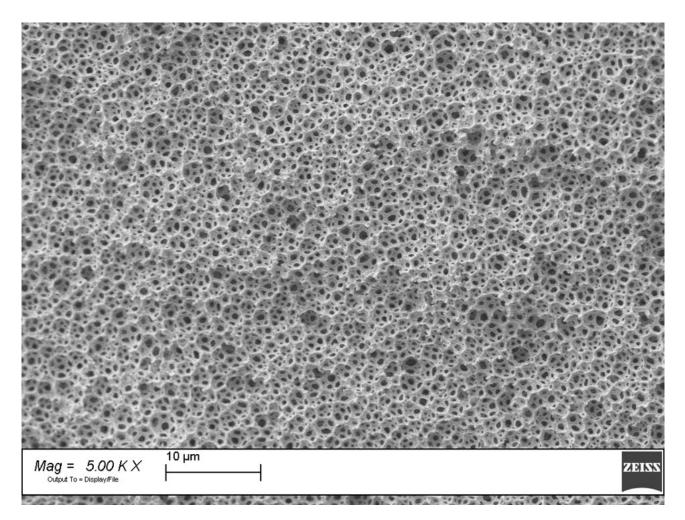


Figure SI3. TGA curves for a) HIPE 2.7.1; b) HIPE 2.8.1; c) HIPE 2.10.1; and d) HIPE 2.11.1.



**Figure SI4.** SEM picture of HIPE 2.8.1 at 1000 X



**Figure SI5.** SEM picture of HIPE 2.8.1 at 5000 X

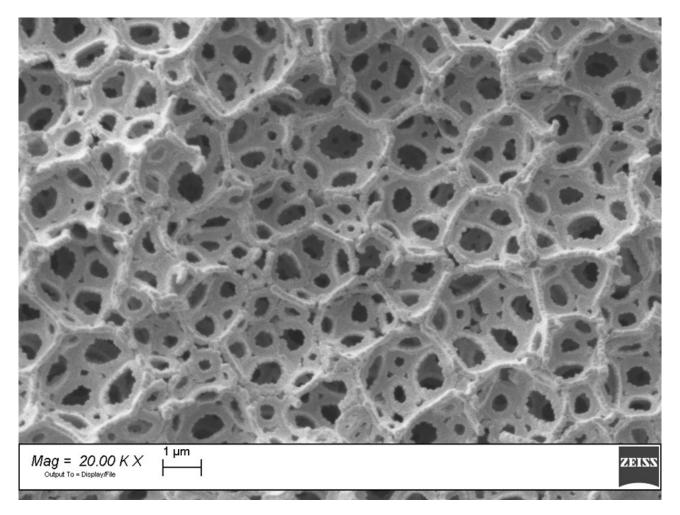
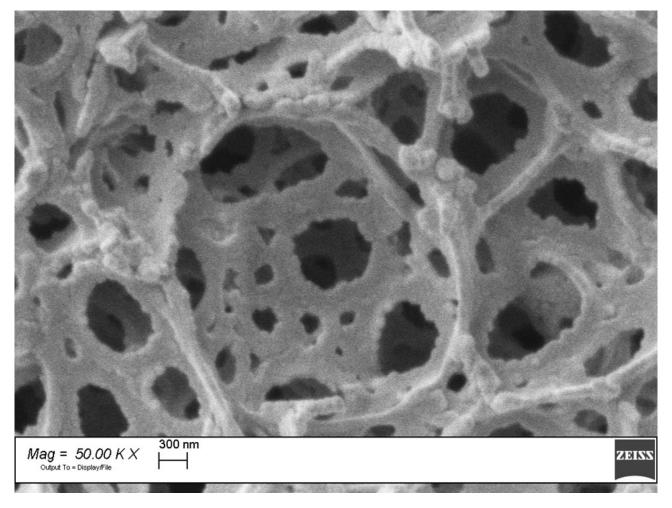


Figure SI6. SEM picture of HIPE 2.8.1 at 20000 X



**Figure SI7.** SEM picture of HIPE 2.8.1 at 50000 X