



## Microfluidic-Assisted Synthesis and Modification of Polymeric Materials

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### Message from the Guest Editor

Dear Colleagues,

The exquisite control of the dynamics of fluids at the micrometer and sub-micrometer scale in microfluidic devices has opened the door for the highly precise synthesis and modification of polymeric materials such as microparticles or biomimetic materials substrates. This special issue focuses on emerging efforts to utilize microfluidic technology in combination with polymer chemistry and physics to build advanced materials with tailor-made properties such as size, shape, elasticity, bioactivity or degradation kinetics. These systems hold great promise for biomedicine as they could overcome key materials challenges imposed by applications in drug delivery and tissue engineering.

Prof. Dr. Matthias P. Lutolf  
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