

Advanced Materials Research Group project summary

Project Title	The study and fabrication of novel, thermally responsive, porous microcarriers for cell culture applications
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Project Summary	<p>This project aims to scale-up the production of cell cultures using porous microspheres that undergo a reversible phase change in response to temperature change. A systematic study of the effect of processing parameters on the size and morphology of the prepared microspheres is in progress. The porous microspheres will be used to cultivate mammalian cells to investigate the effectiveness of these materials as microcarrier for the anchorage of cell cultures. The study will provide insight into the design and optimisation of fabrication techniques for the production of interconnected porous microspheres.</p> <p>Caption: SEM micrograph of a porous hydrogel microsphere</p>

