



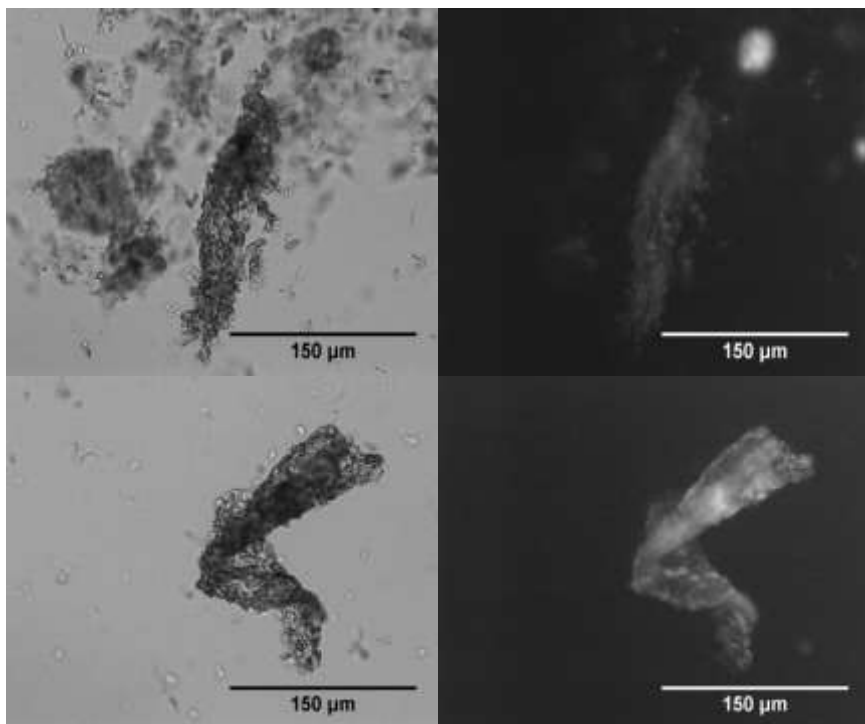
INSTITUTE FOR CELLULAR ENGINEERING

Biomimetic Copolymers and Surfactants

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Microgels of poly(oleic diacid-co-sorbitol-co-glycerol) with hydrophobic regions highlighted by a fluorescent dye.

Novel copolymers and surfactants are being developed for use in the areas of drug delivery and biomaterials due to their ability to form micelles.

The Gross research group at the Polytechnic Institute of NYU has prepared a series of polyesters using biologically-derived monomers. By investigating their mechanical and physical properties, we can determine the viability of these polymers as drug delivery agents, and explore possible biomaterial applications.