

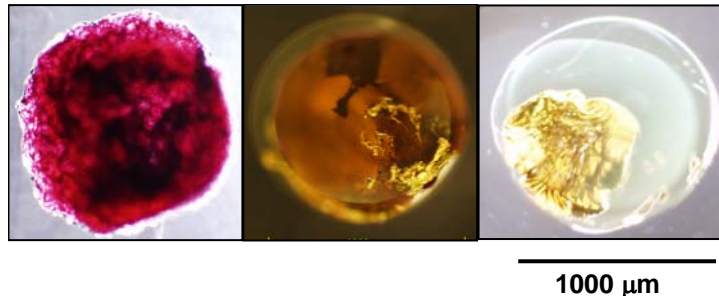
Polymer Nanocolloids Group



➤ Research Platform:- Synthesis of Smart Polymers:

- Microwave, Photo- & Thermally Responsive AuNP/PNIPAM-PEG Microcapsules
- Shape Memory Triblock PCL-PNIPAM Copolymers for Bioimplants
- Self-Healing Green Coatings

➤ AuNP/PNIPAM Microcapsules are light responsive due to presence of AuNP.



... for controlled encapsulation, release, and delivery of drugs, cells, chemicals, etc.

➤ Photothermal response is reproducible and reversible.

