

PhD in Chemical Sciences
Department of Chemistry “Ugo Schiff”
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PhD Seminar

“Milk as a nanomedicine?”

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Abstract

There is an increasing interest in milk and milk-like systems as low cost drug delivery materials. Using synchrotron scattering and low frequency Raman techniques we have been working to increase our understanding of the behaviour of milk and milk-like materials during digestion and how this impacts the fate of co-administered drugs. The findings reveal a propensity for the formation of self-assembled nanostructures inside the lipid droplets during digestion which interact with and dissolve the drug, but also influence propensity for absorption.