FOOD, ENVIRONMENT, BIODIVERSITY AND BIOTECHNOLOGY
Services e rates

SERVICE	DESCRIPTION	SERVICE MANAGER	COST	TIMING
Spectroscopic characterizations of biological systems	Application of spectroscopic methods (infrared, dichroism, fluorescence) to the characterization of biological systems. Main methods: infrared spectroscopy and micro-spectroscopy of isolated biomolecules, intact cells, biofluids and tissues; circular dichroism of biomolecules; fluorescence spectroscopy and fluorescence-based analytical approaches. Main applications: protein conformational properties and aggregation in vitro and in situ; spectroscopic comparison to the reference listed drug (RLD); spectroscopic monitoring of bioprocesses; spectroscopic characterizations of cell processes, including differentiation, maturation, stress response.	Antonino Natalello antonino.natalello@unimib.it	Cost depend on the type of request..	Timing depending on the type of request.
Computational biology and computational chemistry	The computational laboratory in the Biotechnology and Biosciences Department can offer a series of expertise in homology modeling, docking surveys, ligand (drug)/ protein docking, protein/protein docking, protein/DNA (RNA) docking (via MD), classic and biased molecular dynamics, quantum mechanics based simulations (via DFT) of enzymatic reactions, QSAR.	Renata Tisi renata.tisi@unimib.it	Cost depend on the type of request.	Timing depending on the type of request.