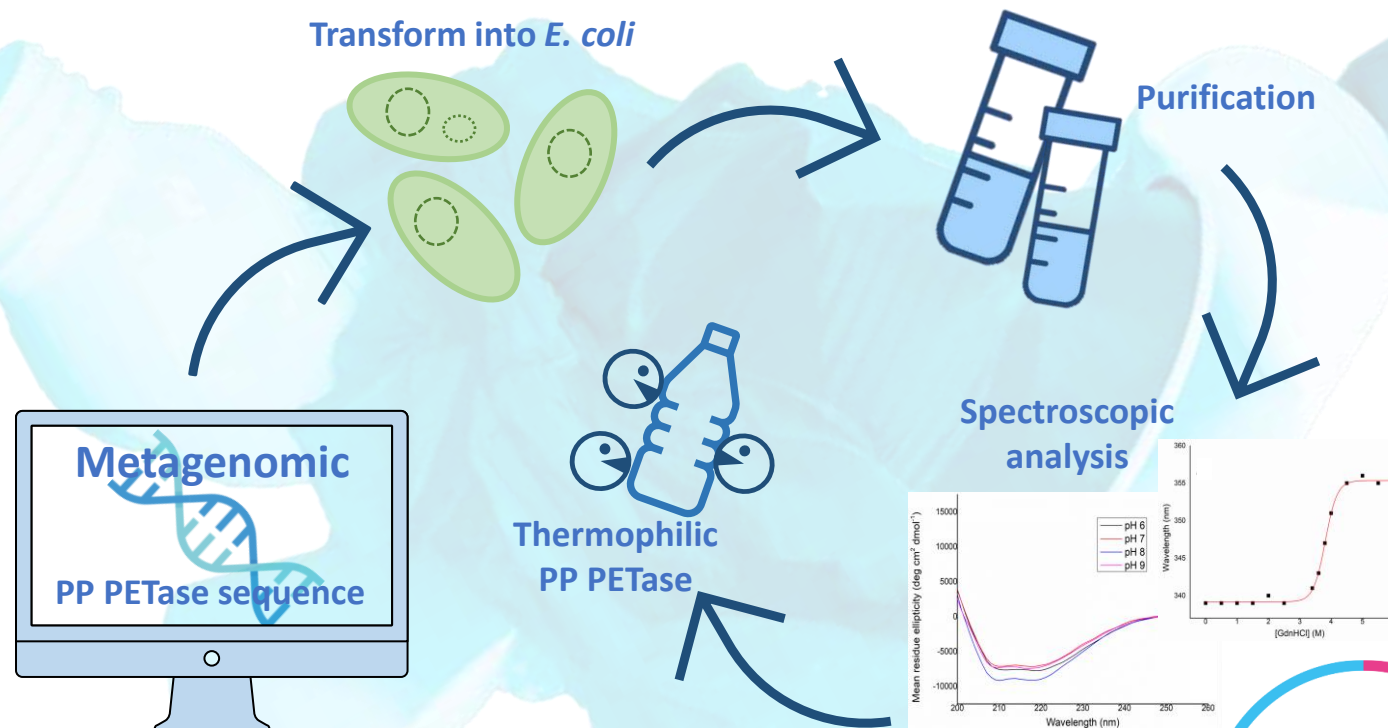




Project presentation

The present project aims at the identification and physico-chemical and structural characterisation of new bacterial hydrolases capable of functioning under a wide range of environmental conditions. In the first year of activity the attention has been focused on the expression of two PET hydrolases which were identified through in silico methods in an environmental metagenomic sample obtained from a geothermal site and on the physico-chemical characterization of the enzyme obtained at the highest degree of purity.



Ph.D. Student:
Martina D'Auria

Title: Enzymatic degradation of plastics: expression, structural characterization, and engineering of novel bacterial hydrolases able to work in different environmental conditions.



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