Adipogenesis is the process by which multipotent cells are differentiated into mature fat cells to fulfill a key metabolic and endocrine role. The aim of this work was to implement in our lab an in vitro model of adipogenesis, to be used later on in pharmacological studies on drug action mechanisms at a molecular level. Here we describe the implementation of the pre-adipocytes 3T3-L1 model, showing some culture growth features together with a set of morphological and cellular changes accompanying the differentiation process.

Keywords
adipogenesis, cell differentiation, 3T3-L1 cells, adipocytes