Improving the current preclinical assessment of new interventions is fundamental to optimise the development of new treatments!

Motivation:
The goal of application 3 is to generate a computational and experimental framework to evaluate the effect of novel interventions against diseases of the musculoskeletal system in a preclinical setting, using *in vitro* analyses, *in vivo* longitudinal experiments with a small number of mice and *in silico* approaches including finite element models, bone remodelling algorithms and agent based models at the molecular level.
Pre-clinical Workflow

Previous Members of MULTISIM who contributed to the Workflow:
Prof Damien Lacroix, Dr Sara Oliviero, Dr Mario Giorgi, Dr Ana Campos Marin, Dr Gareth Fletcher and Dr Gianluca Ascolani.