



colabs



COORDINATOR	Gabriel Monteiro
PHD/PÓS-DOC/...	Cláudia Alves
INSTITUTE/LAB	Institute for Bioengineering and Biosciences - Bioengineering Research Group
PROJECT TITLE	Cloning and production of resolvase in E. coli
PROJECT DESCRIPTION	Design and cloning of a resolvase gene and its variants in a plasmid expression vector to produce these recombinant proteins in E. coli. The proteins will then be purified by chromatographic techniques and will be used in immunogenic and enzymatic assays.
WORK FIELD/CONCEPTS	Gene cloning; agarose gel analysis; recombinant protein production; E. coli; protein purification
NUMBER OF VACANCIES	One (1)
STUDENT PROFILE	Organized, capable to work in a team, motivated for laboratory work, responsible.
REQUIRED SKILLS	Basic knowledge of bacterial culture and molecular biology.
OBJECTIVES	Integration in our work team, capable to develop laboratory skills, acquire knowledge and develop skills on software for molecular biology to perform DNA manipulations in silico, gain a profound knowledge in topics related to the practical work, such as gene cloning and recombinant protein production.
NECESSARY EQUIPMENT	Lab coat, laptop.
DURATION	19 weeks Start: March 19th Finish: June 31st
RECOMMENDED SCHEDULE	2 afternoons or mornings a week (1 afternoon/morning = 4h)