Doctoral Landscape Award (DLA) project

Dr Francesca Ceroni

October 2027 start

Design of synthetic chromosomes for improved cell engineering

Synthetic biology has made it possible to repurpose cells to operate as microscale factories, energy sources, and even computers. We are at the stage where novel solutions and wider approaches are needed to enable impact in real life applications. This post aims to develop novel synthetic biology tools and approaches for the design and engineering of synthetic chromosomes. It is a unique chance to help shape the present and future of synthetic biology. The PhD student will work within the Ceroni and Ellis groups and in close collaboration with other students and postdoctoral research associates within the Imperial Centre for Engineering Biology.