

Designação do projeto | KLEE - Coalgebraic Modeling and Analysis for Computational Synthetic Biology

Código do projeto | POCI-01-0145-FEDER-030947 – PTDC/CCI-COM/30947/2017

Objetivo principal | Development of coalgebraic models and logics for synthetic biological devices, combining discrete, continuous, stochastic behaviours

Região de intervenção | Norte e Centro

Entidade beneficiária | INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência

Data de aprovação | 27-02-2018

Data de início | 01-06-2018

Data de conclusão | 31-05-2021

Custo total elegível | 238.171,84

Apoio financeiro da União Europeia | FEDER:202.446,06

Apoio financeiro público nacional/regional | 35.725,78

The KLEE project aims at

- (1) The development of coalgebraic models and logics for synthetic biological devices, combining discrete, continuous, stochastic behaviours;
- (2) Their application to the analysis and validation of biological regulatory networks,
- (3) The development of associated computational tools.

Up to September 2020, the project results originated 11 journal articles, 13 indexed conference papers, 3 tools prototypes, 2 PhD thesis and 4 MSc dissertations. The project organised the First International Symposium on “Molecular Logic and Computational Synthetic Biology”, hold in Santiago, Chile, 17-18 December, 2018, whose proceedings appeared as volume of 11415 in Springer LNCS series.