

Designação do projeto | NEOVAC - Development of an experimental vaccine against neosporosis in cattle

Código do projeto | POCI-01-0145-FEDER-031020

Objetivo principal | OT 1 Reforçar a investigação, o desenvolvimento tecnológico e a inovação

Região de intervenção | 83,95% Norte; 16,05% Alentejo

Entidade beneficiária | Instituto Biologia Molecular e Celular - IBMC; Universidade do Porto; Instituto Nacional de Investigação Agrária e Veterinária, I.P. (INIAV, I.P.)

Data da aprovação | 28/02/2018

Data de início | 01/06/2018

Data de conclusão | 31/05/2022

Custo total elegível | 239.804,80€; Custo elegível INIAV | 38.500,00€

Apoio financeiro total da União Europeia | FEDER – 203.834,08€ (INIAV- 32.725,00€)

Apoio OE | 35.970,72€ (INIAV – 5.775,00€)

Objetivos, atividades e resultados esperados

Objetivos:

The main objective of this project is the development of a mucosal vaccine against bovine neosporosis

Atividades:

1. Optimization of the immunogenic formulation: effect of the administration route and additional adjuvants

2. Identification of T cell populations involved in memory and protection conferred by immunization
3. Assessment of the protective effect of B-cells and mucosal produced antibodies in vaccinated mice
4. Characterization of the parasite-specific immune response induced by immunization in cattle
5. Immunoreactive profiling of immunizing antigens
6. Assessment of the protective effect of mucosal immunization in cattle

Resultados esperados:

The expected outcome of the project is to achieve an immunization procedure that could effectively vaccinate cattle against neosporosis, thus reducing parasite prevalence and overall transmission.