

Projecto: PTDC/SAU-MIC/117060/2010
Título: "Utilização dos recursos da célula hospedeira pelo parasita da malária no fígado"
Investigador Responsável: Miguel Prudêncio

*** Recomendação do Coordenador ***

"A - Relatório Final APROVADO"

"Os objectivos científicos previstos foram plenamente atingidos. Os resultados evidenciam grande qualidade científica, nomeadamente ao nível das publicações em revistas internacionais com referee. O projecto contribuiu para a formação de jovens investigadores e para a projecção internacional da equipa envolvida."

"The proposed scientific objectives were fully achieved. The results show high scientific quality. Eleven papers in international journals were published. The project does not seem to have contributed to the training of young researchers. Team with international recognition.

As described in the original proposal the objectives of the projects were to: to study fundamental aspects of liver infection by Plasmodium and its interaction with its host cell; and to identify host molecules and pathways that can be exploited as anti-malarial targets, specially for prophylactic strategies against malaria.

The identification of different transporters whose expression is modulated upon hepatic infection by Plasmodium was the principal discovery of the project. Two of these molecules, GLUT1 and CAT2, were characterised in great molecular detail, which led to identification of novel pathways that are important during the liver stage of infection by the malaria parasite. The two molecules are promising targets for drug discovery.

The work developed under the project led to 11 papers (four of them are out of the project, but related of the objectives) published in international peer reviewed journals, 8 international communications presented at International scientific meetings and 2 at National meetings.

The overall analysis of the final report clearly shows it was an excellent scientific contribution to the research on Malaria, which is an important Human disease.

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*** Membros do Painel de Avaliação Final - Imunologia e Infeção ***

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