

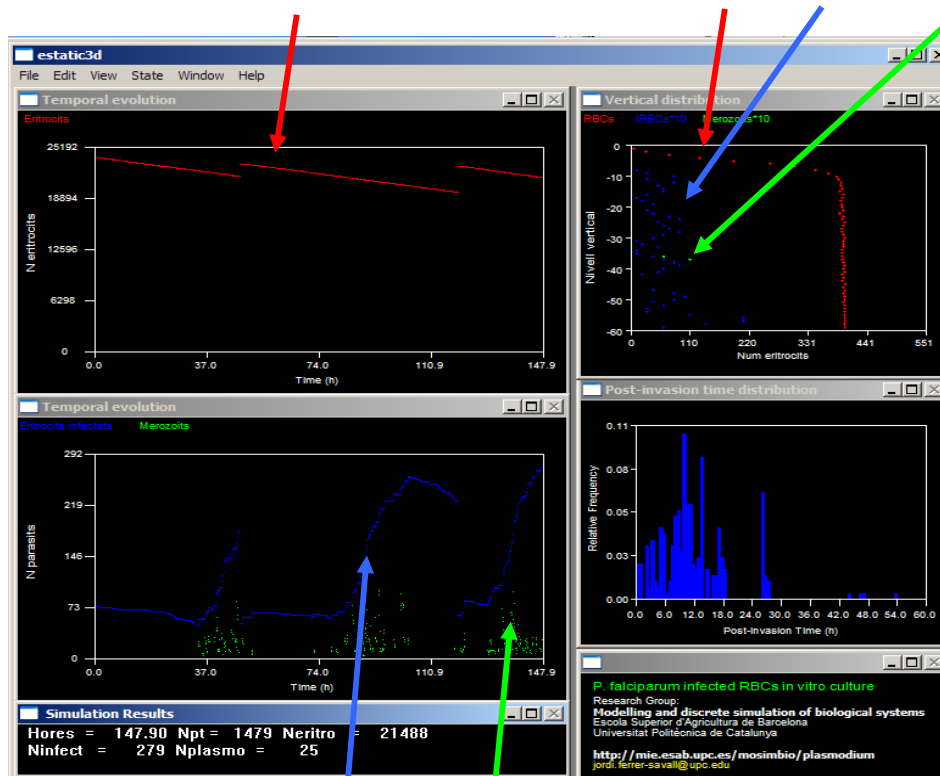
IbM simulation of *Plasmodium falciparum* infected red blood cells in *in vitro* cultures (INDISIM-RBCv 3D)

- 1) Download and unzip the folder cultiu3Dexe.rar
- 2) Run the executable estatic3D.exe.
- 3) If you want, modify the input parameters in Fort.12 and save it. Run the executable again.
- 4) Files Fort.13 and beyond contain the output of the simulation.
- 5) The outcome shows:

Four windows representing a top view of a fraction (1 mm²) of a static culture :

Temporal evolution of RBCs.

Vertical profile of RBCs IRBCs and merozoites



Temporal evolution of IRBCs and merozoites