

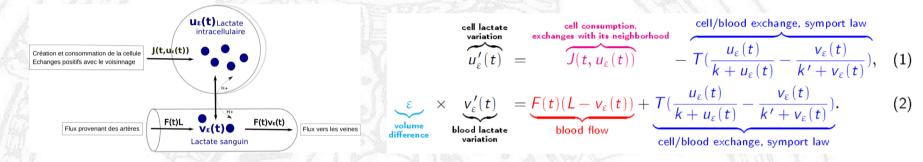
Università degli Studi di Pavia Computational Mechanics & Advanced Materials Group - DICAr



What can be deduced from MRI data?

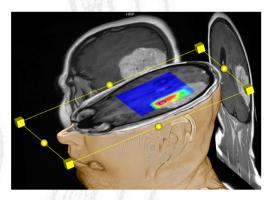


In recent years, our understanding of the brain and behavior has been constantly increased. Thus today we have access to a lot of multimodal data. However it is still challenging to find an optimized way to interpret the results. Mathematics, and notablymathematical modeling, can be seen as a support or a tool to treat these data. I will present here some possibilities arising from the collaboration mathematics/MRI. In particular, I will describe a fast-slow system dealing with lactate kinetics on a local brain part, talking about its well-posedness and exhibiting bounds on the solutions. I will also give some simulations.









Eng. Angélique Perrillat, PhD Student Poitiers University, France

May 7th, 2:00pm (sharp)
DICAr MS1 Meeting Room
Via Ferrata, 3 – Pavia