

Noemi Picco



Noemi is a senior lecturer in mathematics at Swansea University. Her research focuses on mathematical modelling of health and disease. She works at the interface between mathematics and biology to develop a range of theoretical and computational tools to describe the dynamical interactions occurring at different spatial and temporal scales. Her models include individual-based models coupled to partial differential equations, as well as population dynamics. Noemi is currently working on a number of applications, including the development of the cerebral cortex, the evolution of the vertebrate brain, the role of tumour ecology in the emergence of drug resistance, and early diagnosis of sepsis. She is also actively working on ways to integrate experimental data into mathematical models in order to quantitatively describe the processes of interest and make testable predictions.

