Mathematical biology has for a long time aimed at understanding the dynamics of complex biological processes with relatively few equations. To scale-up with the large experimental data sets now available, systems biology aims at developing an integrative approach borrowing concepts from other disciplines including computer science, programming theory and control theory. The current developments of computational models of cells and tissues are impacting many domains ranging from cell biology to medicine. This meeting will present ongoing research in the USA and in Europe on the modeling of the living at the cellular level.

http://www.france-science.org/eaid/objectives.html