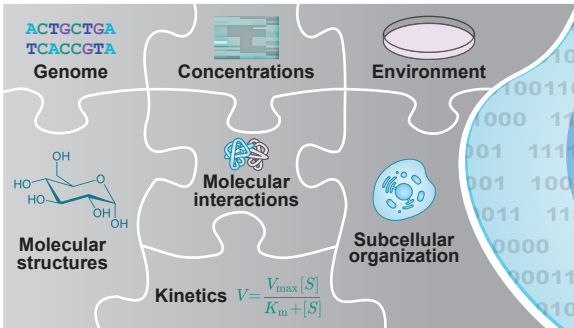
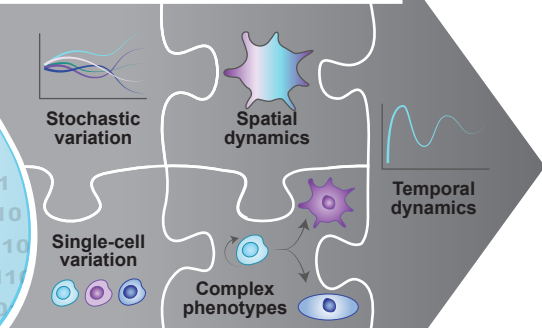


a**Physical and chemical representation****Whole-cell model****b****Predicted phenotypes**