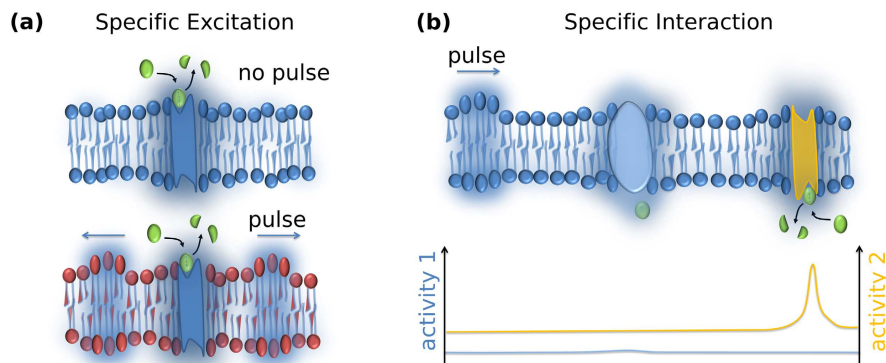


Doktor- und Masterarbeiten in der Abteilung Medizinische und Biologische Physik

Physical Principles of Biological Communication



We are exploring the idea of how physical principles are able to explain Life. How are all the local entities of a cell, a cell network, organ or the entire body integrated? What makes them function like an orchestra instead of individuals and the strongly related question what drives their adaptation? The particular goal of this project is to study how 2D-sound pulses that propagate in membranes can regulate the activity of single enzymes and how the orchestration and hence the origin of individual parts of a cell or a multicellular system to ONE takes place.

We are looking for PhD and Master Students that feel attracted to these questions.

Please Contact:

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