Colloquium

How to achieve cellular replication without fail: Lessons from bacterial cells

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To replicate successfully, cells must perform and coordinate numerous tasks, which are stochastic in nature. Despite this intrinsic noise, cellular replication is incredibly robust, with each division producing daughter cells, which are themselves competent for self-replication. This robustness is particularly remarkable for bacteria, which can achieve doubling times as short as ten minutes. In my talk, I will discuss the importance of intracellular organization for successful bacterial multiplication. In this context, I will present examples of how spatial order and active transport can emerge without membrane-bound organelles or cytoskeletal motors.

Monday, October 9, 2017 04:00pm - 05:00pm
Raiffeisen Lecture Hall, Central Building

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