

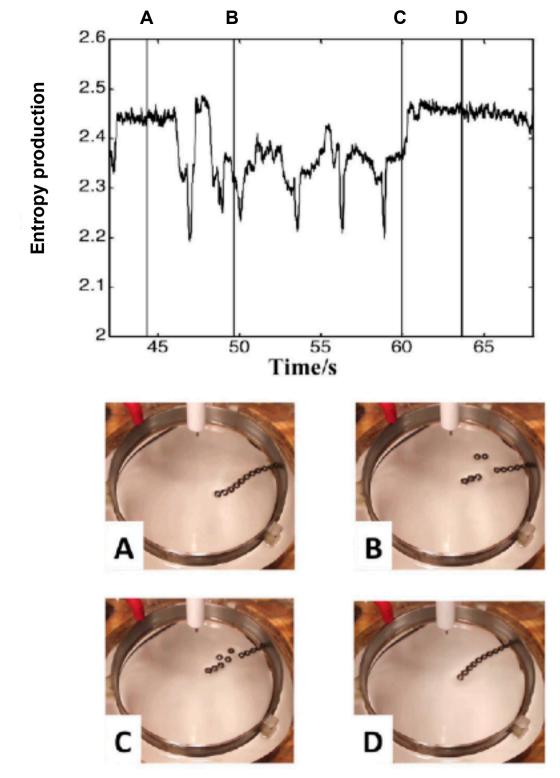


# Radboud University Nijmegen

### Complex behaviour from (physical) principles & laws (bottom-up)



## self-repair: Resilience to perturbation



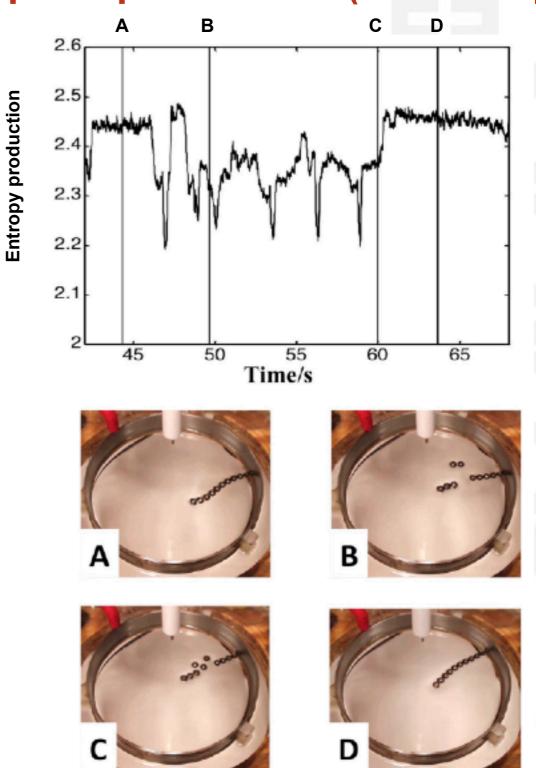
Kondepudi D, Kay B, Dixon J. (2017). Dissipative structures, machines, and organisms: A perspective. *Chaos, 27(10),* 104607.



#### Complex behaviour from (physical) principles & laws (bottom-up)



self-repair: Resilience to perturbation



## Complex behaviour from (physical) principles & laws (bottom-up)

END DIRECTED EVOLUTION TO STATES OF HIGHER ENTROPY PRODUCTION

#### More properties:

Memory

Classical conditioning (aversion / preference)

