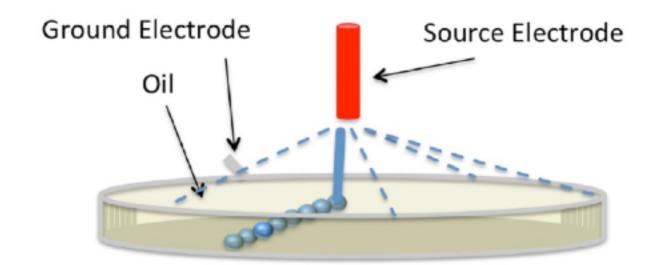




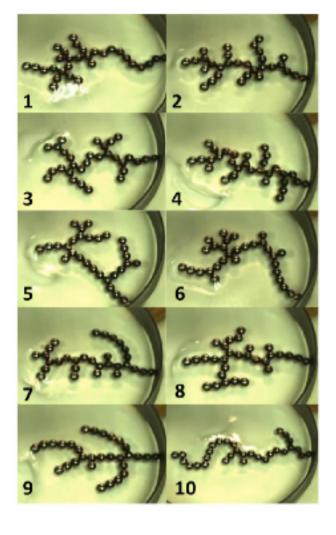
# Radboud University Nijmegen

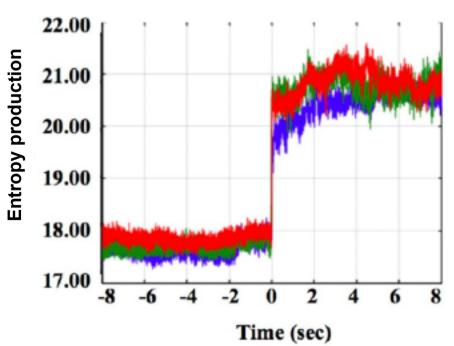


### Complex behaviour from (physical) principles & laws (bottom-up)



## self-organisation: **Tree formation**



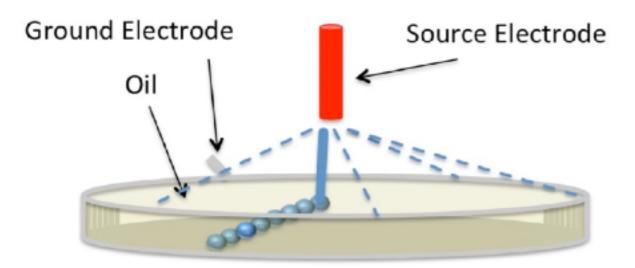


Kondepudi D, Kay B, Dixon J. (2017). Dissipative structures, machines, and organisms: A perspective. *Chaos, 27(10),* 104607.



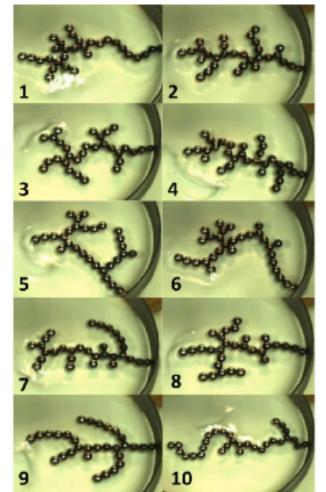


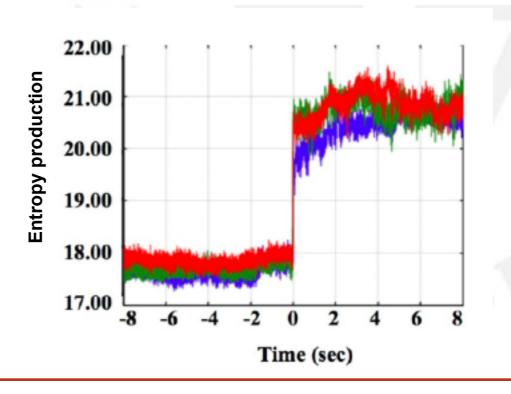
#### Complex behaviour from (physical) principles & lav





self-organisation: Tree formation





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



self-repair: Resilience to perturbation

