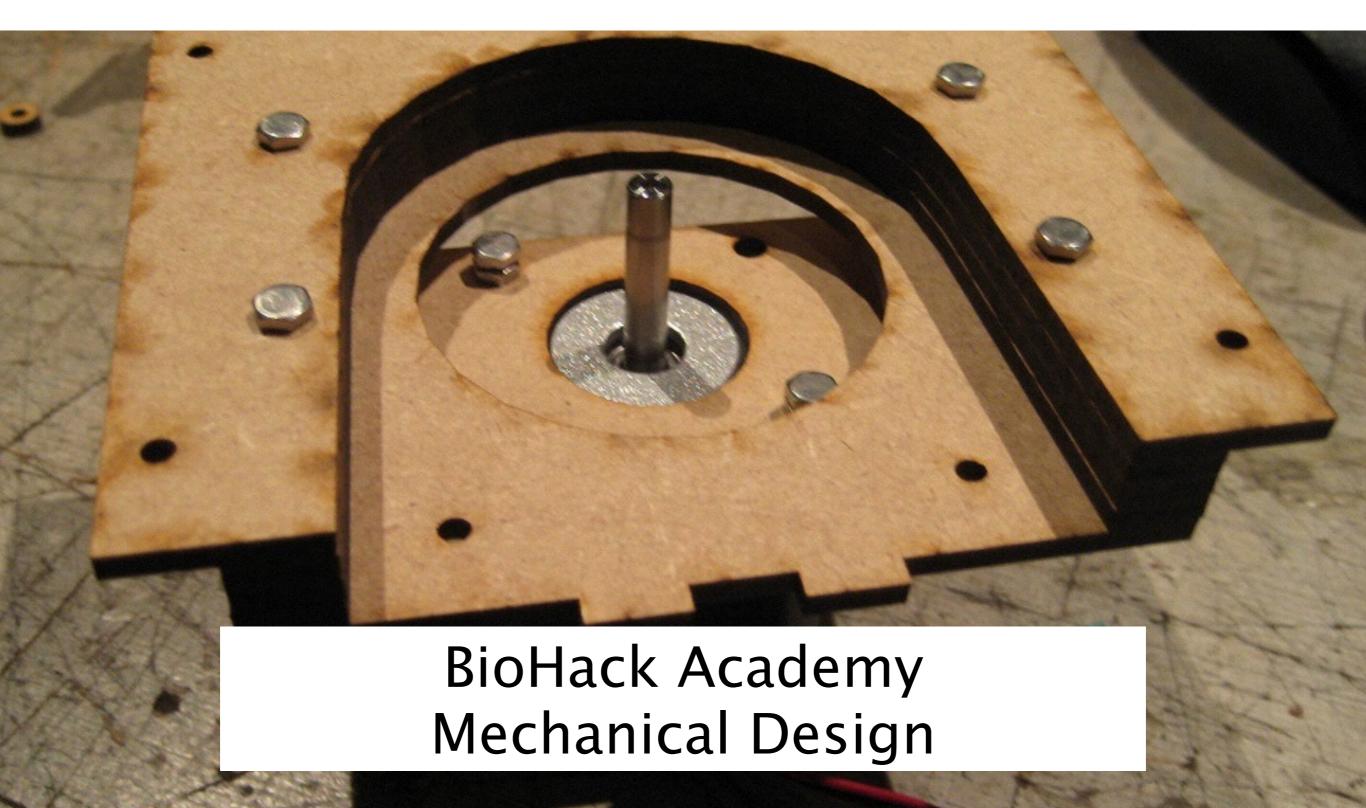


institute for art, science and technology



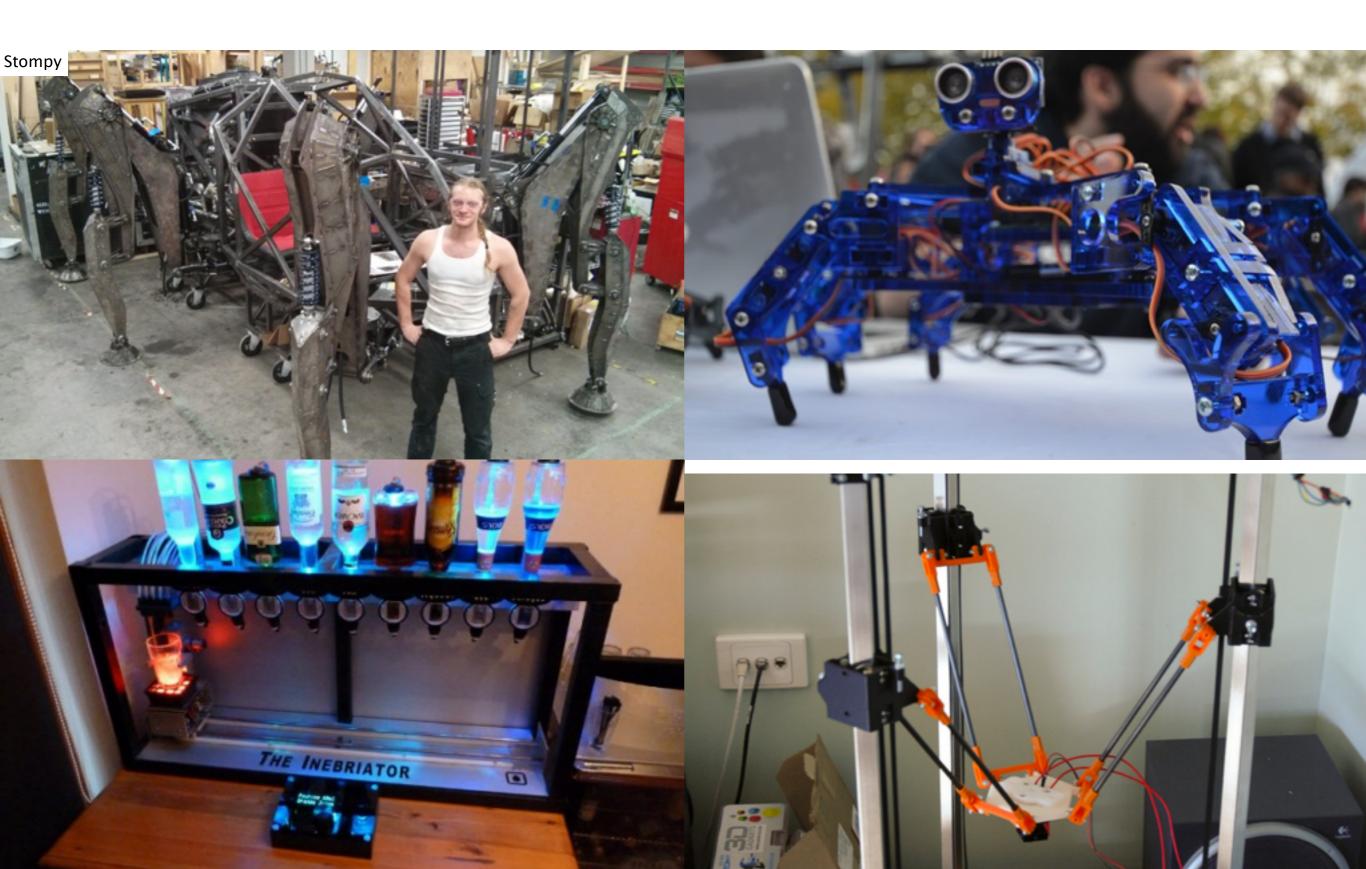


Maker Movement

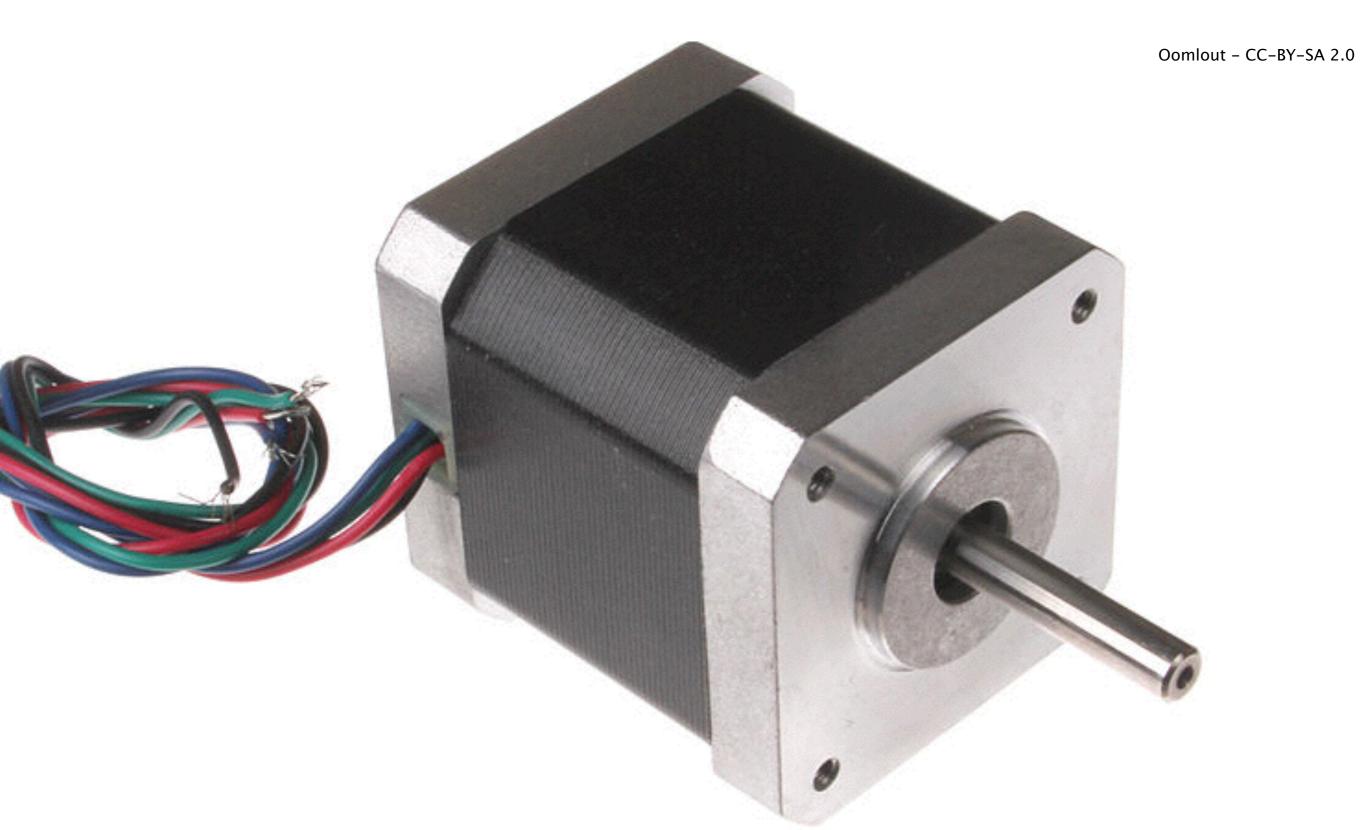




Maker Movement

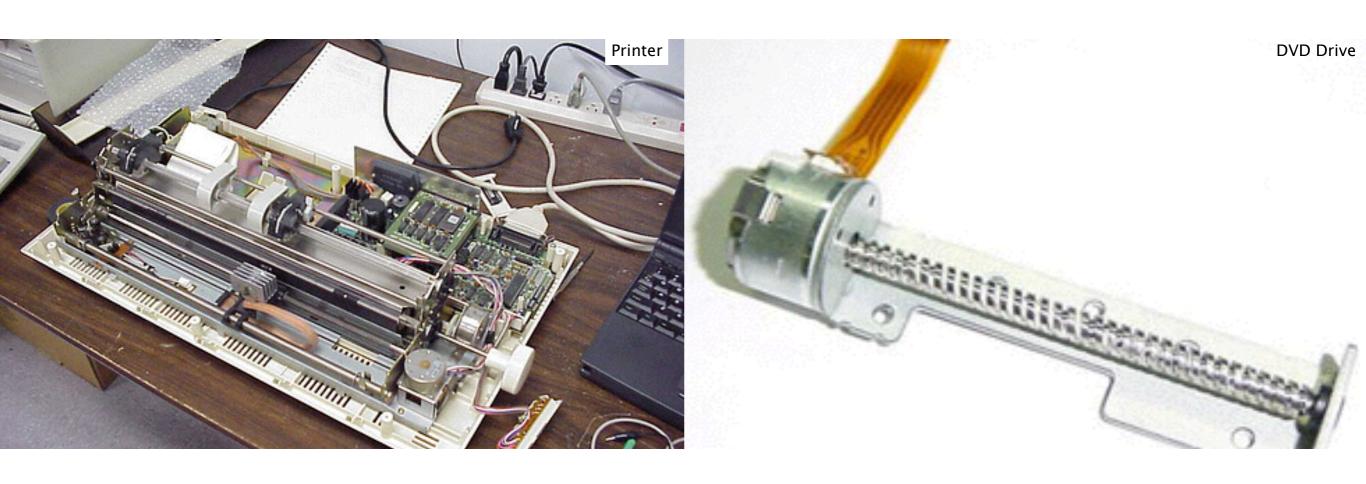








Where to find stepper motors





CO DC Motor





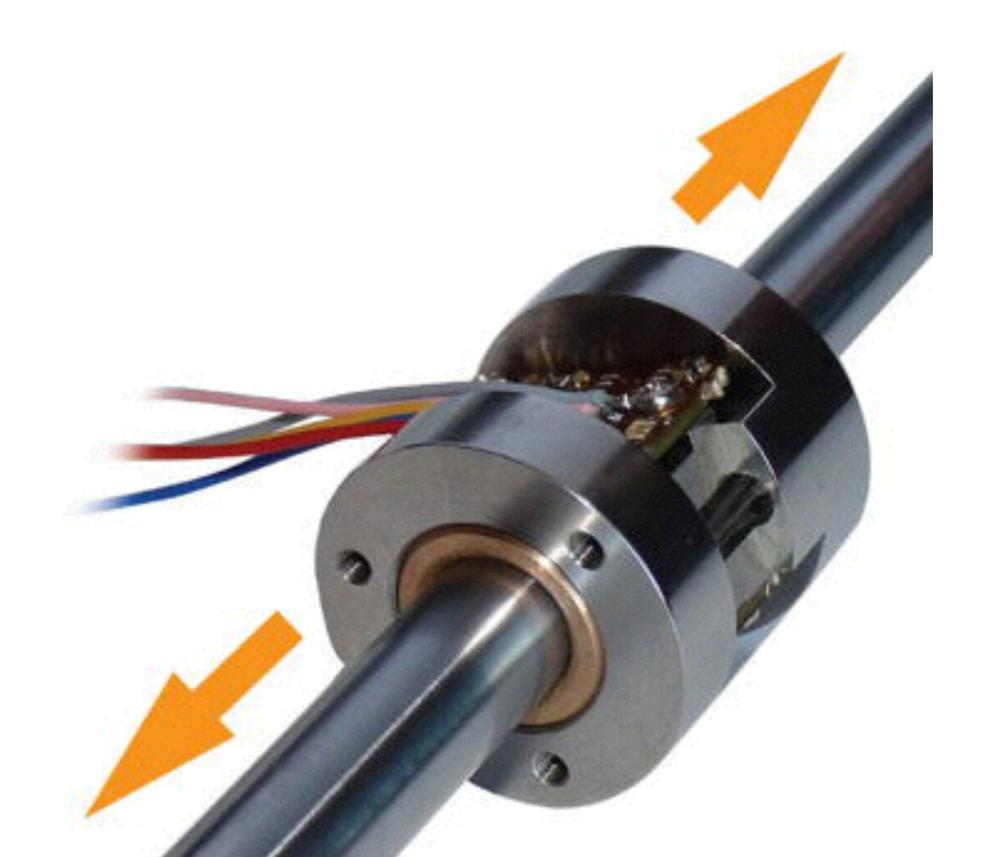
Where to find DC motors







Magnetic Actuator





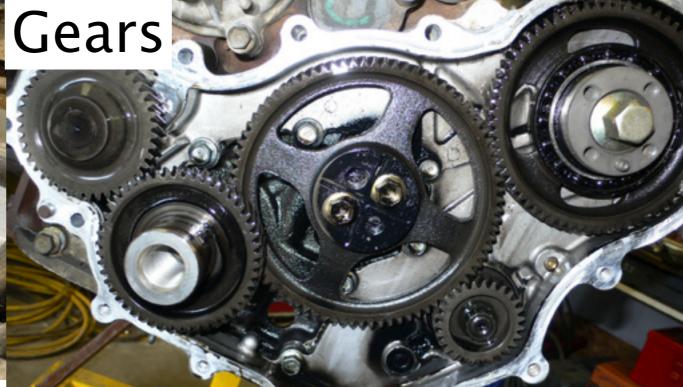
Ways to make things move



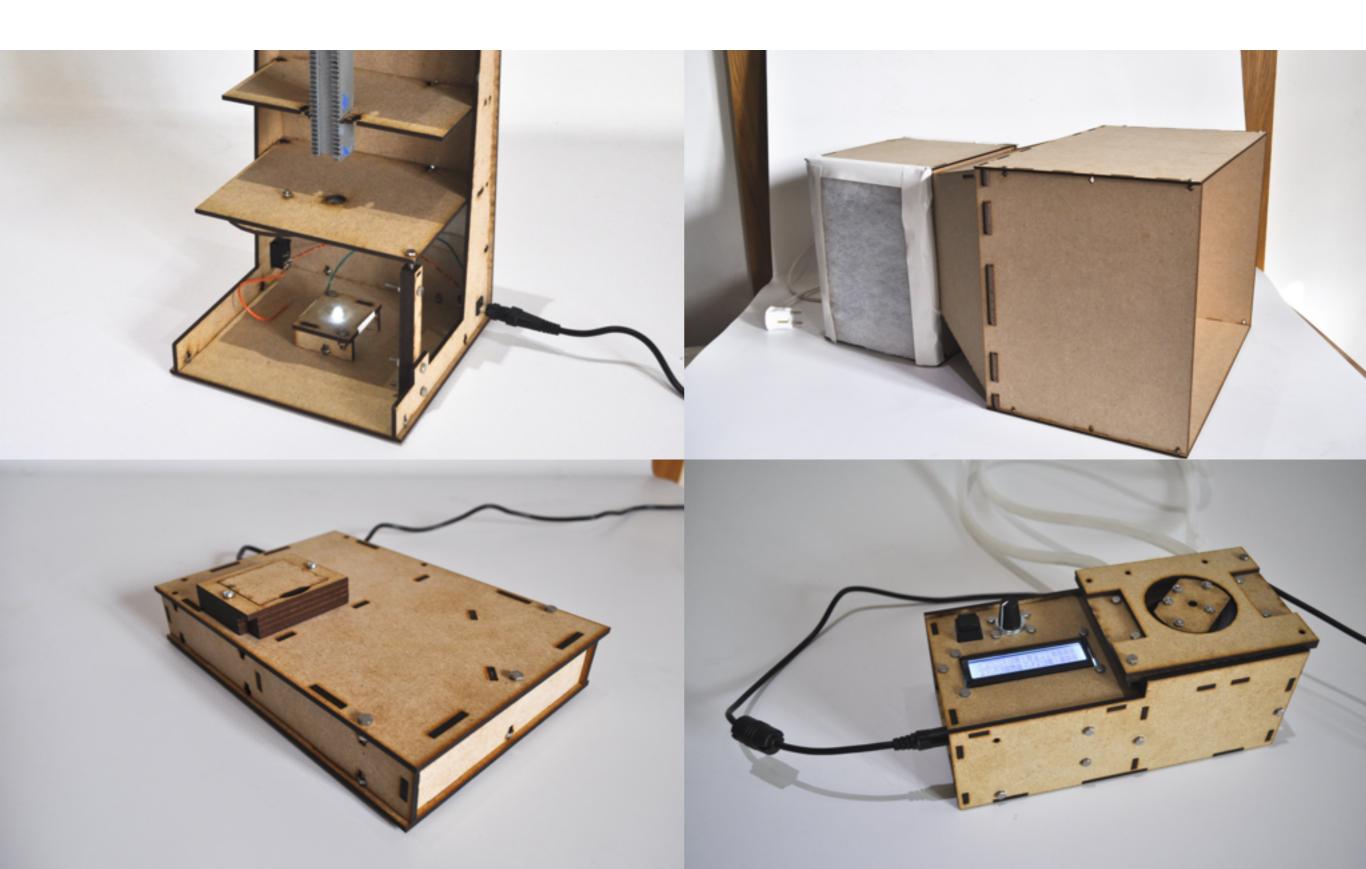














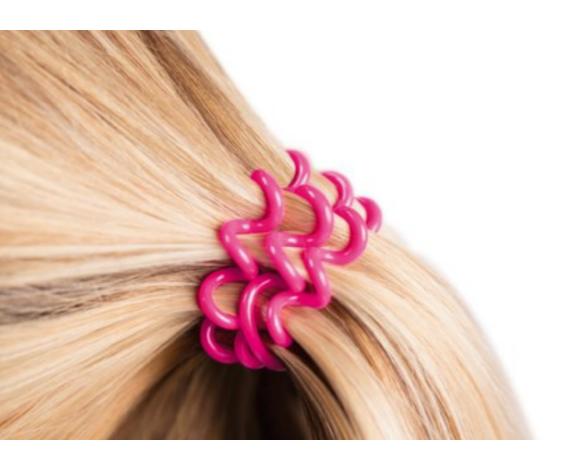
















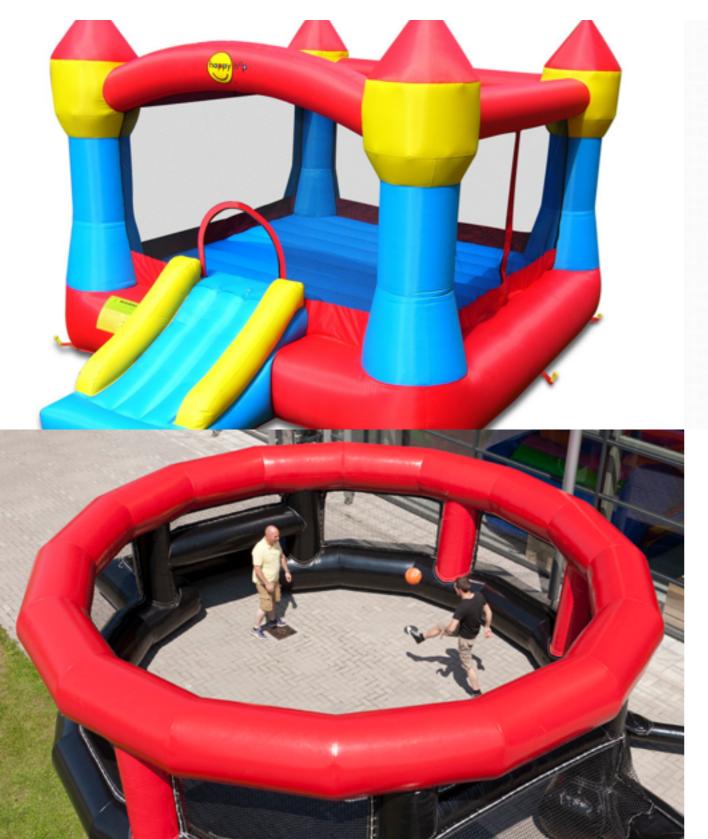








(iii) Inflatables



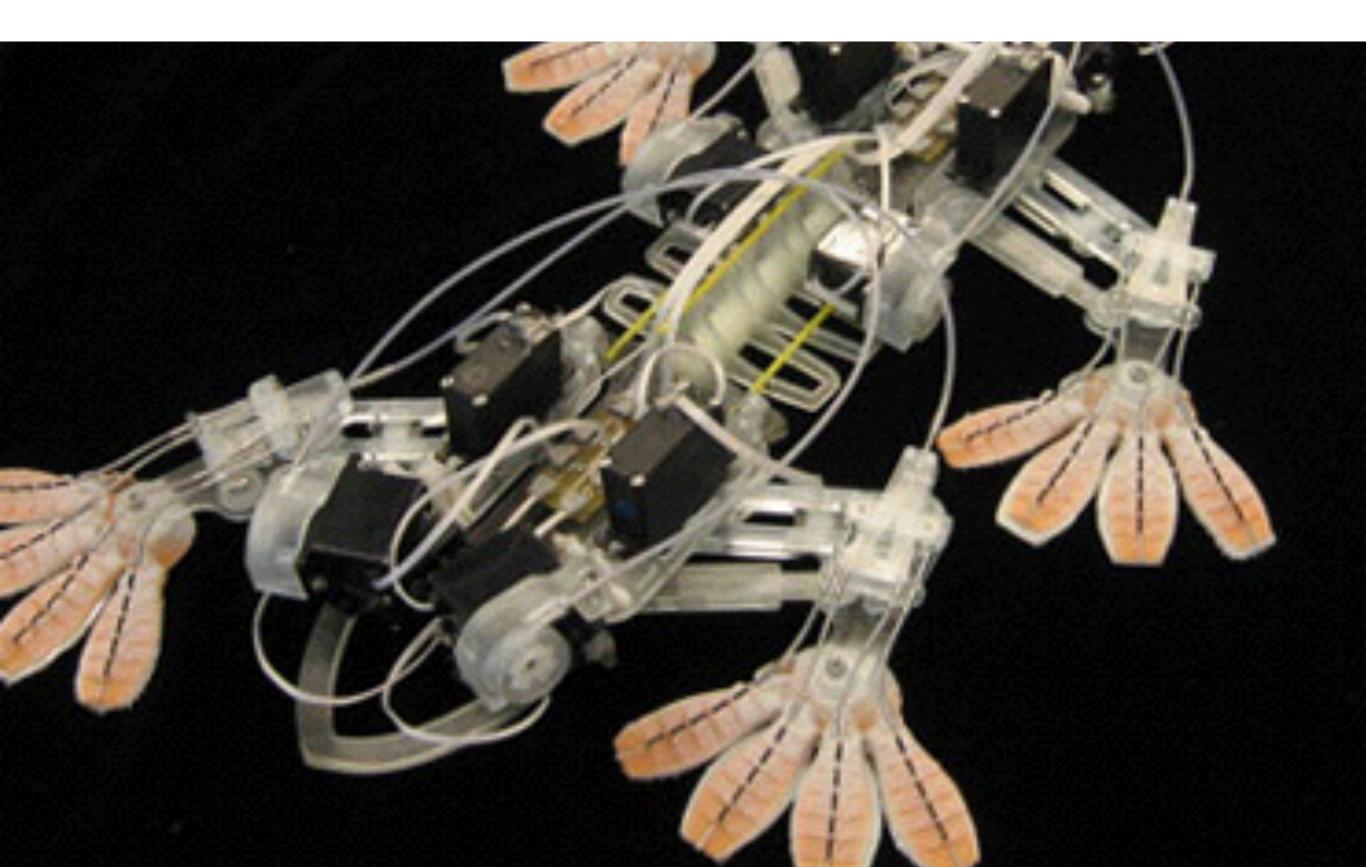




Movement in Biology

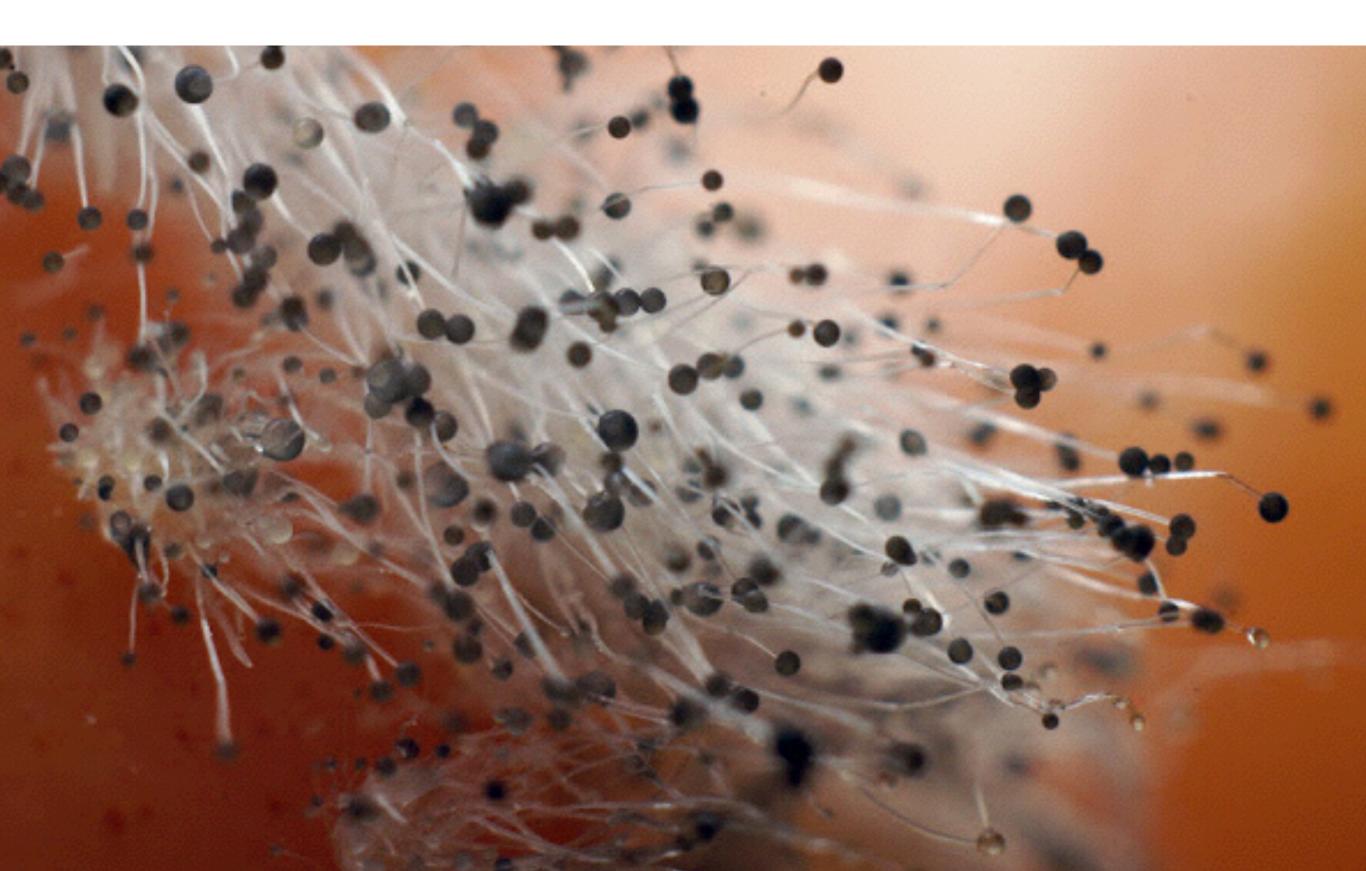


Biomimetics





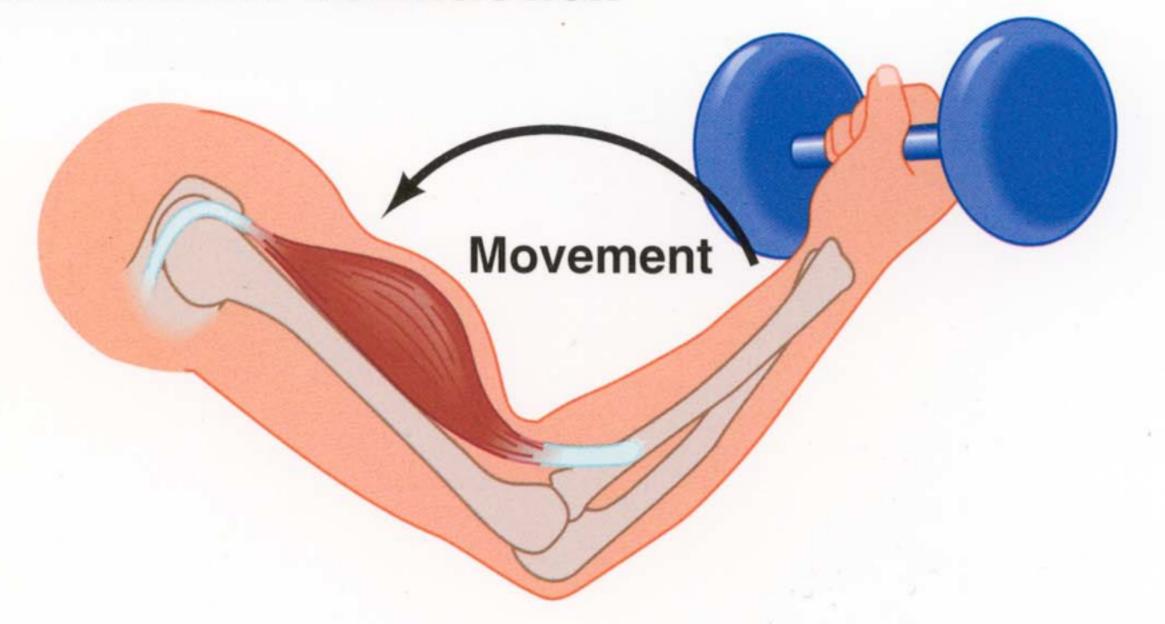
The best things in life are for free







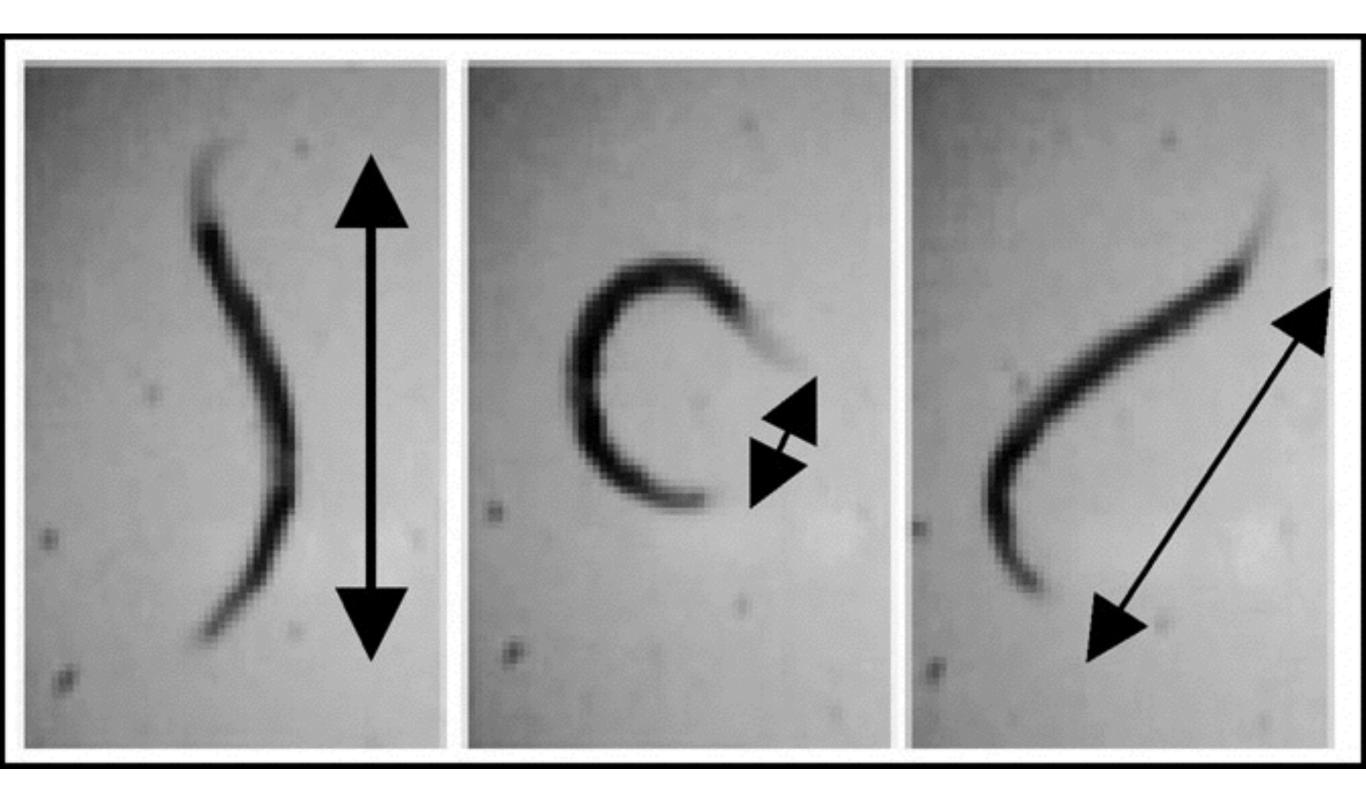
Concentric contraction



(a)

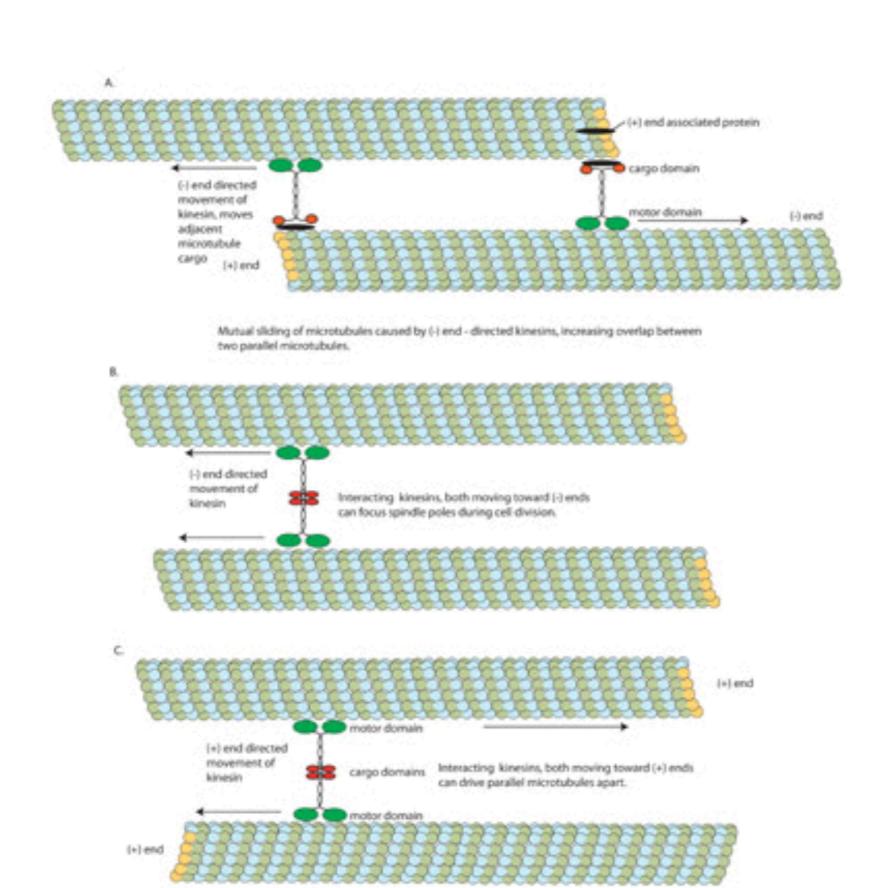
(b)



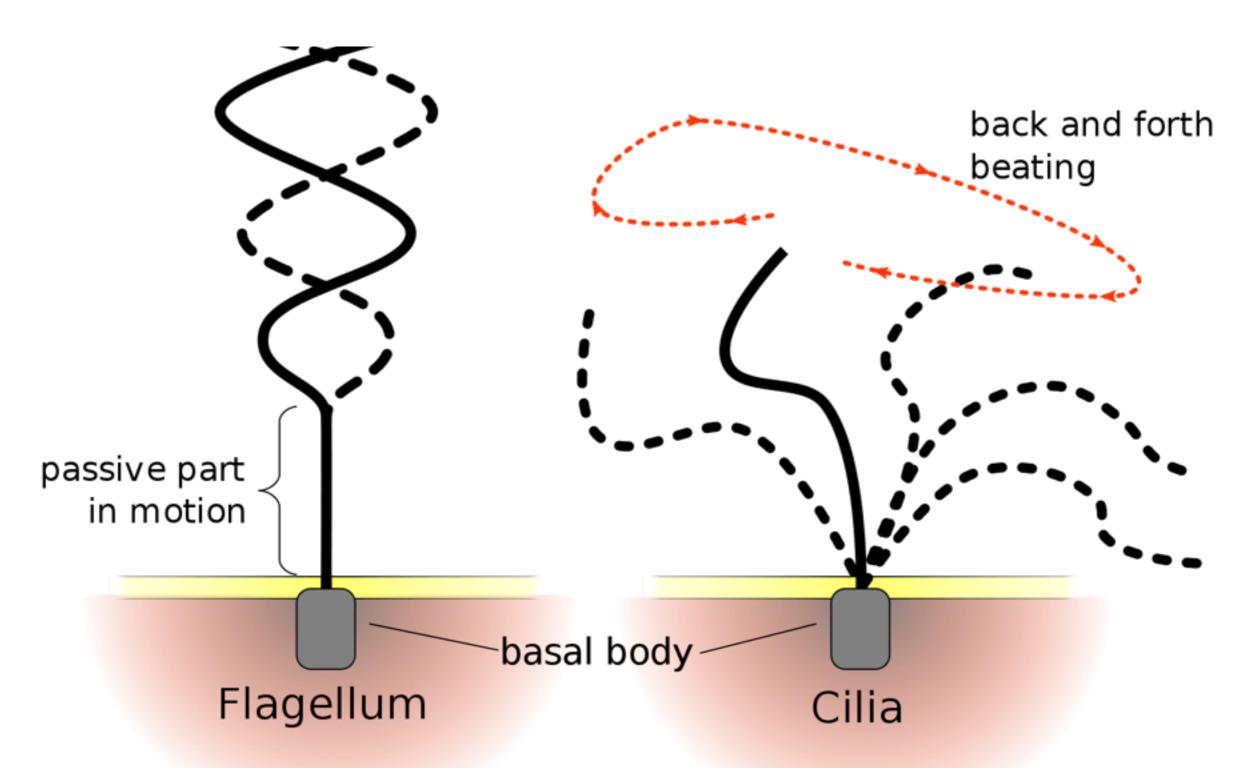




Microtubul movement







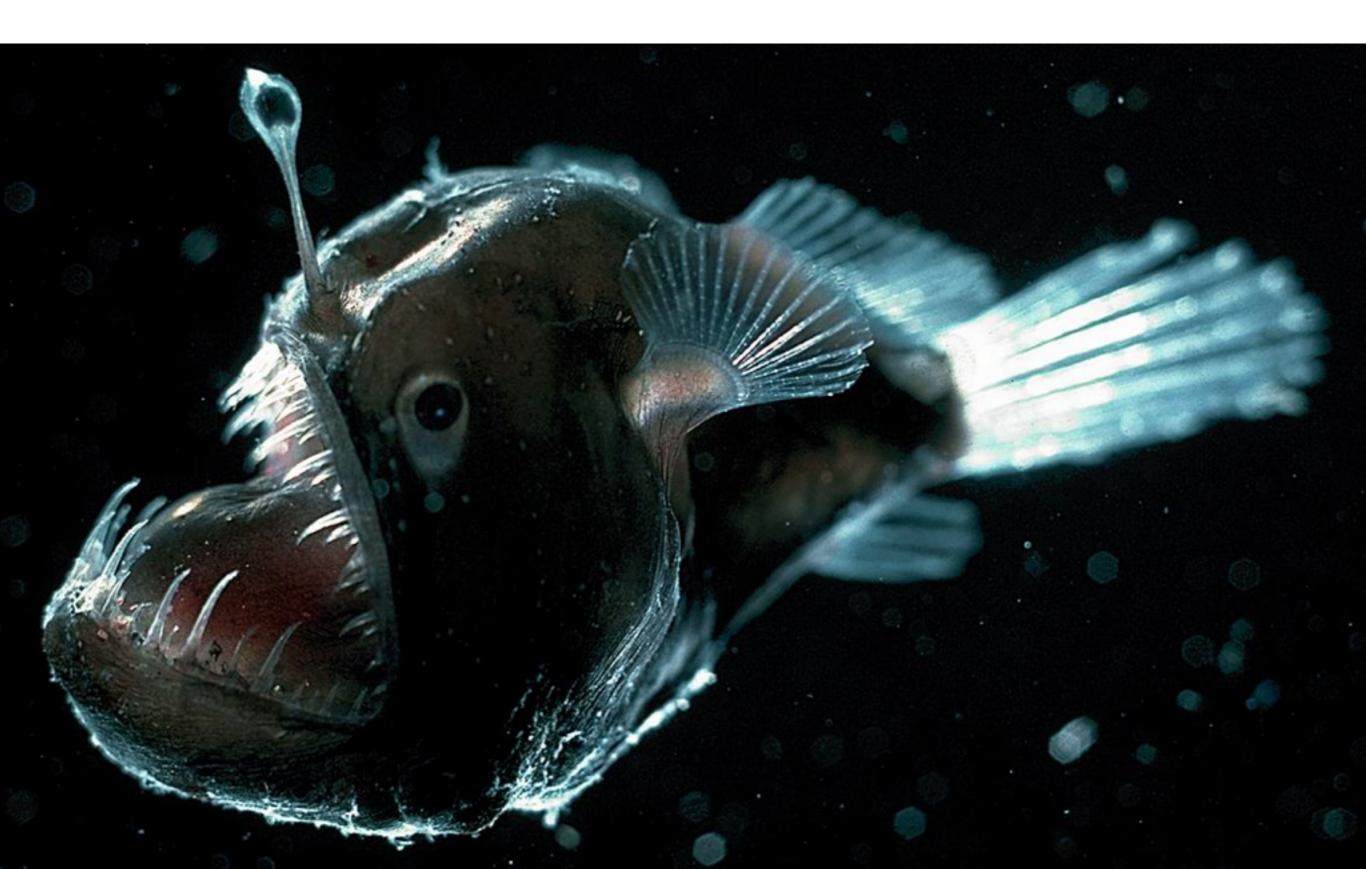


6: Salamander tongue





5: Angerfish suction





4: Mantis Shrimp shockwave



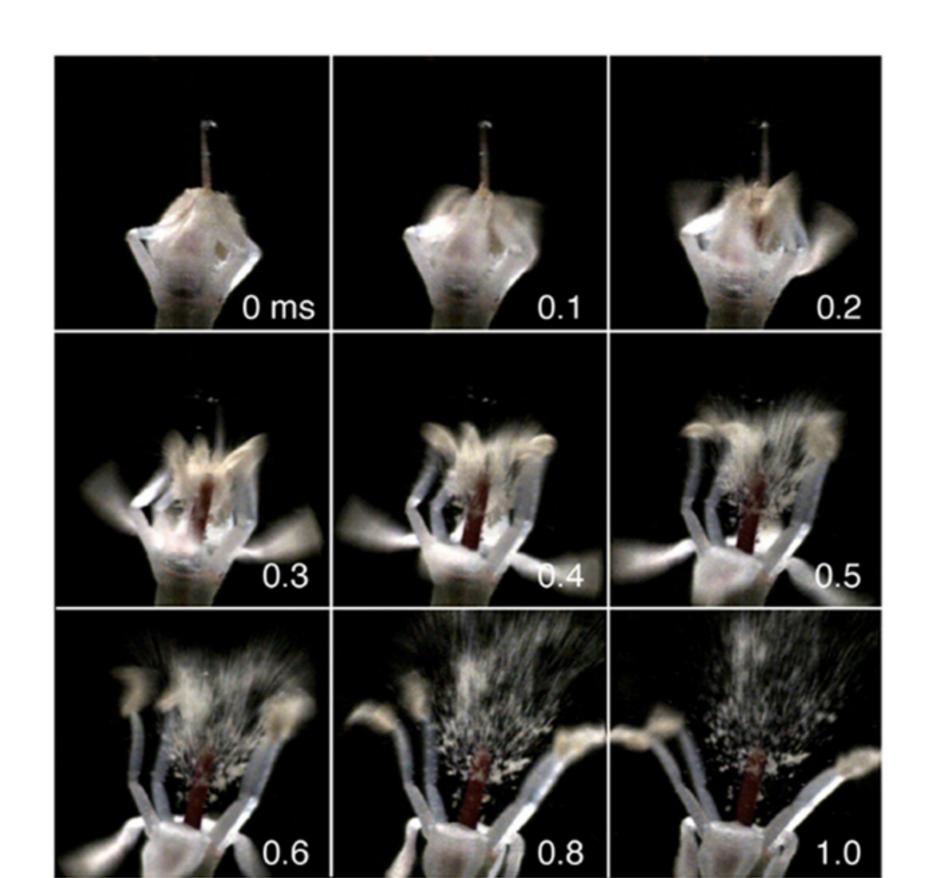


3: Trapdoor stomach Bladderwort





2: Pollen cannon





1: Jellyfish stingers





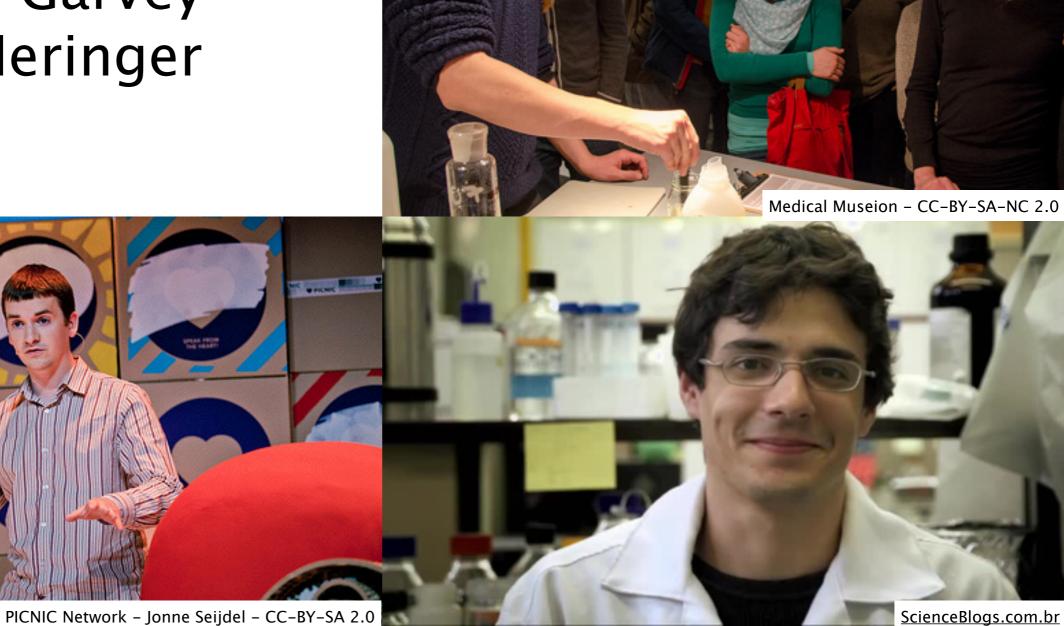
Documentation

& Graduation



Graduation Board

Rudiger Trojok Cathal Garvey Otto Heringer





Weekly assignments to focus efforts:

- 1. Set up your own documentation site on Github;
- 2. Publish a microscopy video;
- 3. Design a personal laboratory tool;
- 4. Search for similar projects within the Biohack community;
- 5. Start sketching your bioreactor controller;
- 6. Design your bioreactor dimensions and fluxes;
- 7. Hack the spectrometer into a flow spectrometer;

