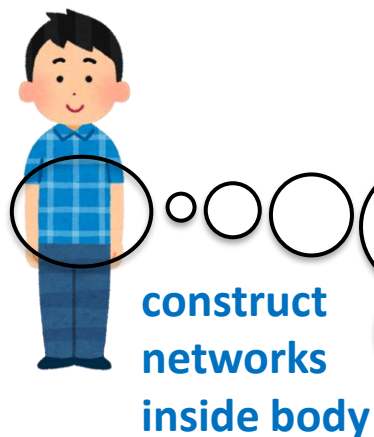


## Population protocols toward Nano-Scale Distributed Systems

- Nano-scale devices will be available to work inside body
- But they are weak and unstable

**Goal: Design efficient protocols to realize useful functions**

How to realize efficient protocols?



- Very small memory
- Very low computational power
- Very high failure ratio
- Communication by interactions

Experiments  
with 100 kilobots  
(if you visit NAIST)

