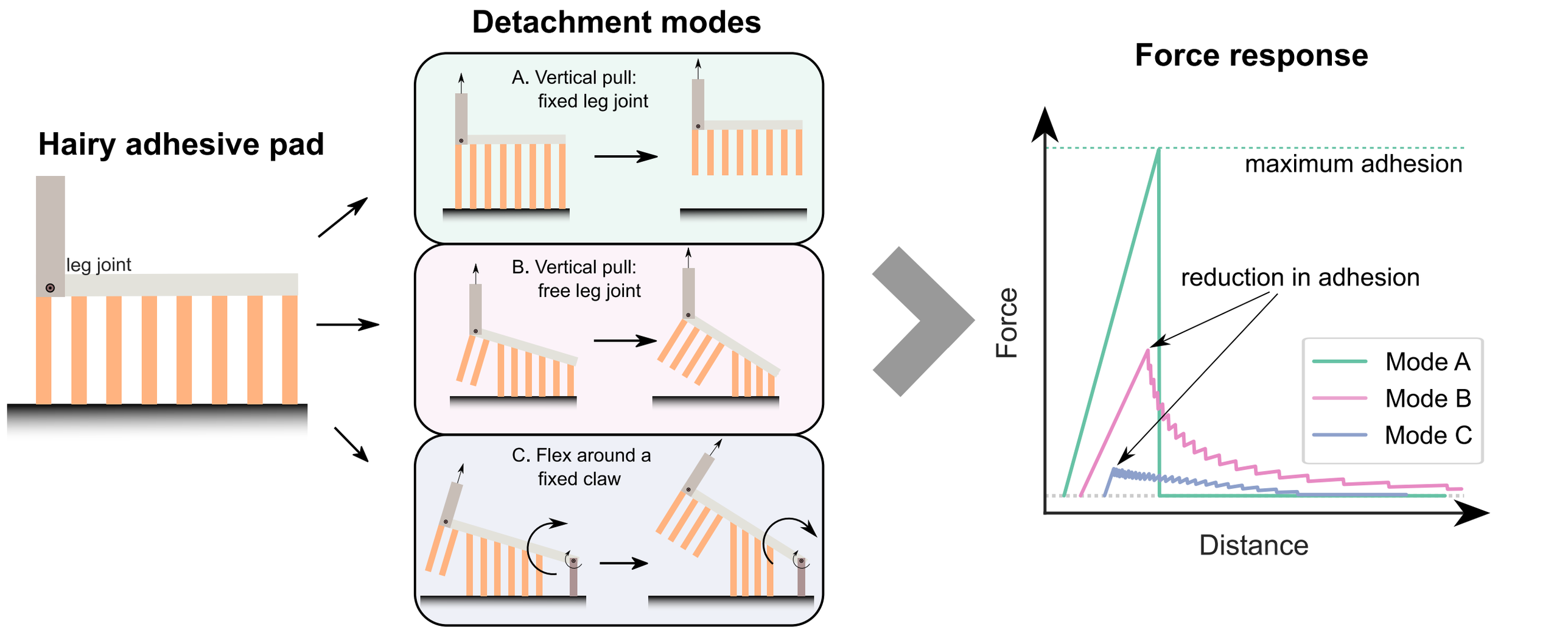
Hairy adhesive pad
leg joint
Detachment modes
A. Vertical pull:
fixed leg joint
B. Vertical pull:
free leg joint
C. Flex around a
fixed claw
Force response
maximum adhesion
reduction in adhesion
Force
Distance
Mode A
Mode B
Mode C