

~ Collapsing process of planarians organism ~

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Team 04

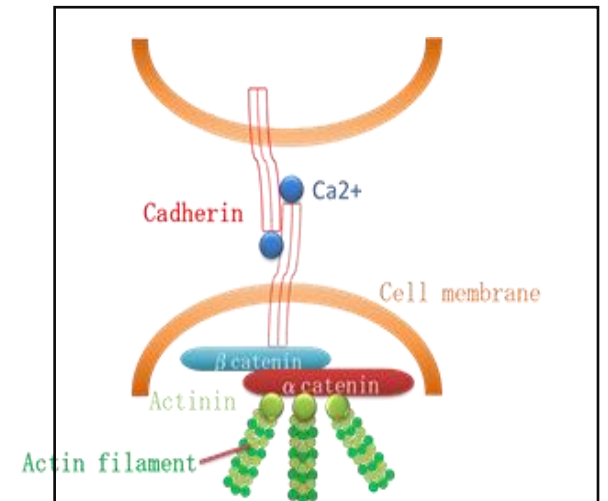
| Background



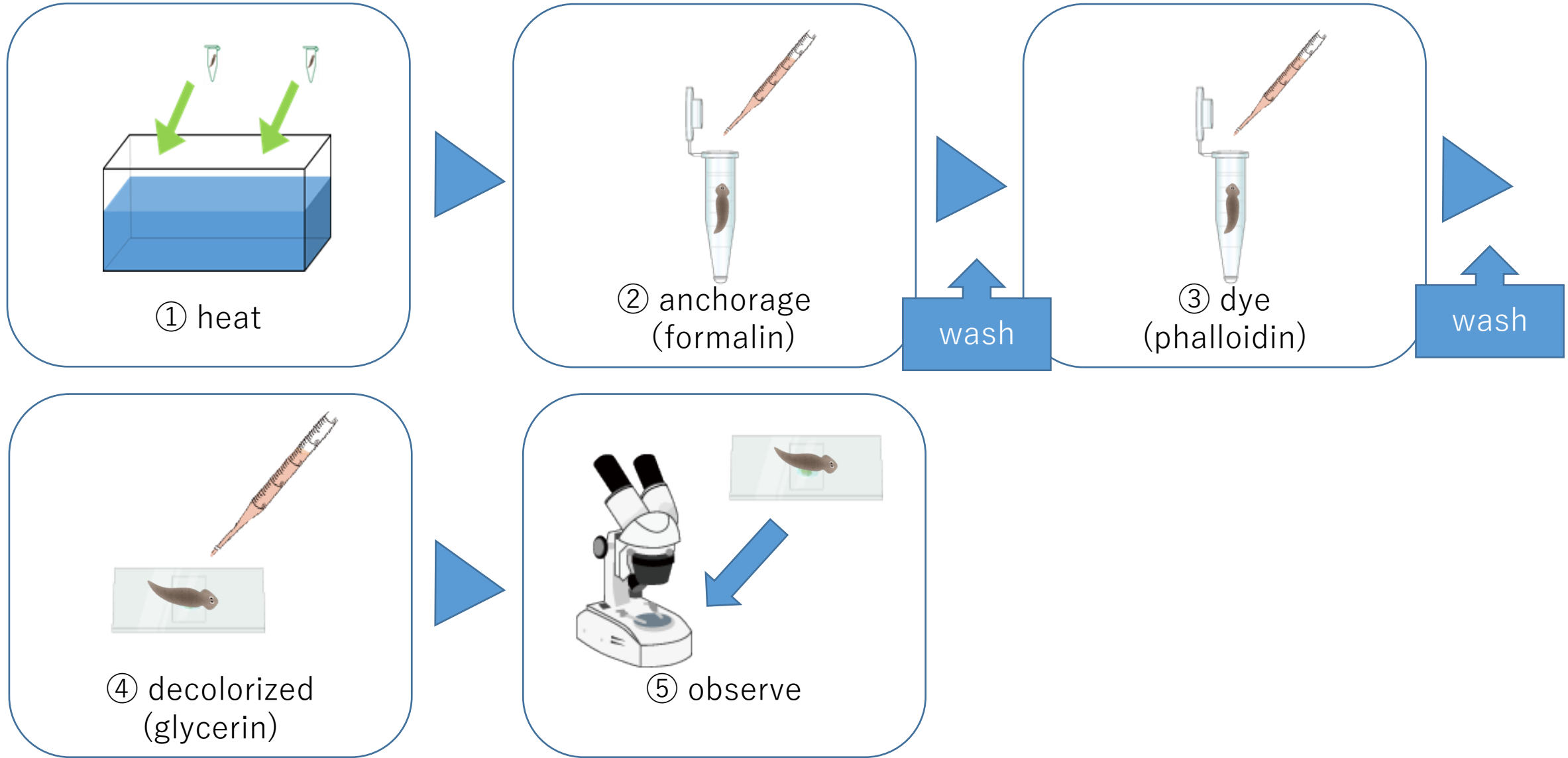
⇒ Planarians collapse due to stimulation by wasabi and heat

Cause of the collapse
...leaving **Cadherin** (cell adhesion molecule)

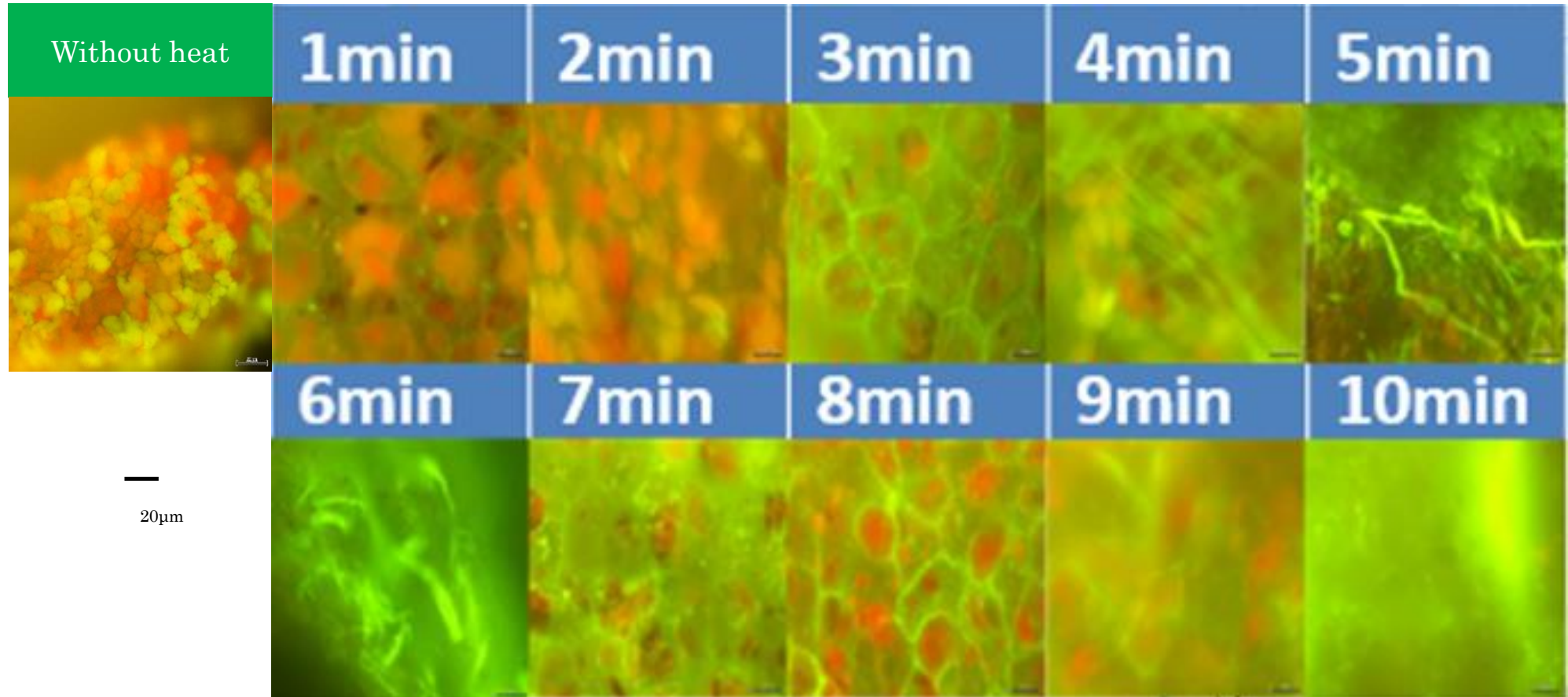
Cadherin is bounded to actin filaments
(Actin filaments can be dyed.)



II Material & Method



III Result



① loose within 1 to 10 minutes

② Difficulty in observing the change of some points

IV Discussion & Future work

- ① the relationship between the process of organism's collapse and actinfilament
- ② organism collapse happened from 5 to 7 minutes remarkably



happen at the same time between the change of Actin filament's form and the organism collapse

given pungent ingredient stress

