

# Collagen in hypodermis affects temperature acclimation of animal

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Temperature is important environmental information. Animals therefore have acclimation and habituation mechanisms for changing environmental temperature. In this study, we used nematode *Caenorhabditis elegans* for studying temperature acclimation mechanisms. We found that a collagen known as a essential cortical component in many animals involved in cold acclimation, implying that our experimental system is useful for studying fundamental cosmetology research.