

生物策略表

類別	生物策略 (Strategy)
生物策略 STRATEGY	口鼻部偵測壓力 (Snout Detects Pressure)
生物系統 LIVING SYSTEM	星鼻鼯 <i>Condylura cristata</i> (Star-nosed mole)
功能類別 FUNCTIONS	#生物系統中感應觸覺及機械力 #Sense Touch and Mechanical Forces in a Living System
作用機制標題	鼯鼠類的口鼻部因具有觸覺感受器官艾瑪氏器而能偵測壓力及其它感官輸入 (The snout of talpids can detect pressure and other sensory input thanks to the Eimer's gland, a mechanosensory organ.)
生物系統/作用機制 示意圖	
作用機制摘要說明 (SUMMARY OF FUNCTIONING MECHANISMS)	
文獻引用 (REFERENCES)	
<p>「鼯鼠類 (talpid) 也具有艾瑪氏器 (Eimer's gland), 一種鼻唇面 (rhinarium) 的機械式感受 (mechanosensory) 器官。此器官高度靈敏且對於壓力的發生與抵消、表皮的持續壓迫, 以及刺激角度的變化都能有所反應。此器官可用作透過判斷獵物表面紋理 (surface texture) 來偵測獵物, 而星鼻鼯 (star-nosed mole) 的艾瑪氏器能偵測水中獵物的電場(electrical field)。」(Fowler and Miller 2003: 304)</p> <p>“Talpids also possess an Eimer's gland, a mechanosensory organ present on the rhinarium. This organ is highly sensitive and responds to the onset and offset of pressure, to sustained depression of the epidermis, and to changes in the angle of the stimulation. This organ may be used to detect prey by determining surface texture, and in the star-nosed moles the Eimer's gland may detect the electrical fields of prey in water.” (Fowler and Miller 2003: 304)</p>	
參考文獻清單與連結 (REFERENCE LIST) Harvard 或 APA 格式	
Fowler, M. E. and R. E. Miller. (2003). <i>Zoo and Wild Animal Medicine</i> . Elsevier Inc.	
延伸閱讀: Harvard 或 APA 格式 (取自 AskNature 原文; 若為翻譯者補充, 請註明)	
生物系統延伸資訊連結 (LEARN MORE ABOUT THE LIVING SYSTEM/S)	

撰寫/翻譯/編修者與日期

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AskNature原文連結

<https://asknature.org/strategy/snout-detects-pressure/>