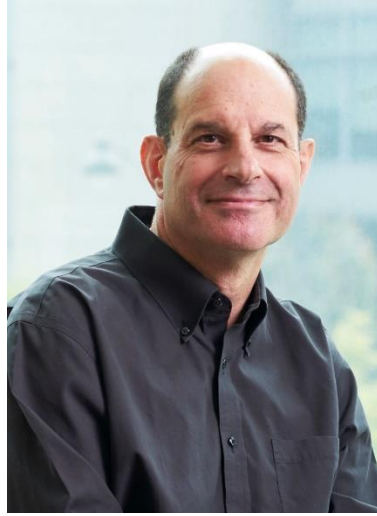


## 溫度與觸覺感覺受器

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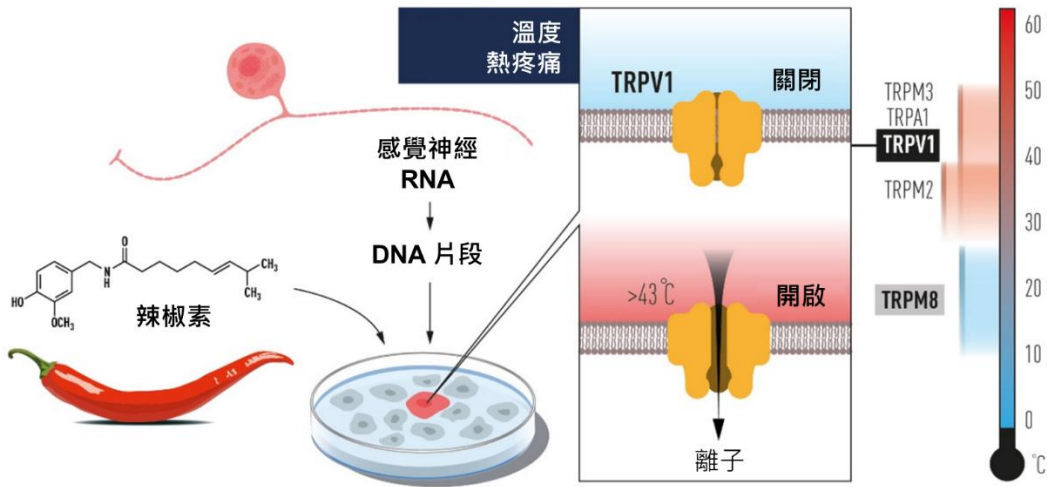
得獎摘要

TRPV1 (transient receptor potential cation channel Vanilloid 1)、TRPM8 (Transient receptor potential cation channel subfamily Melastatin 8) 和 Piezo 通道蛋白能藉由神經脈衝讓我們人體對於熱、冷與壓力的刺激有所感受。TRP 通道蛋白負責感受溫度，PIEZO2 通道蛋白則為機械力感覺受器。此種蛋白的發現對於生理反應的原理以及相關疾病的治療有很大的幫助。

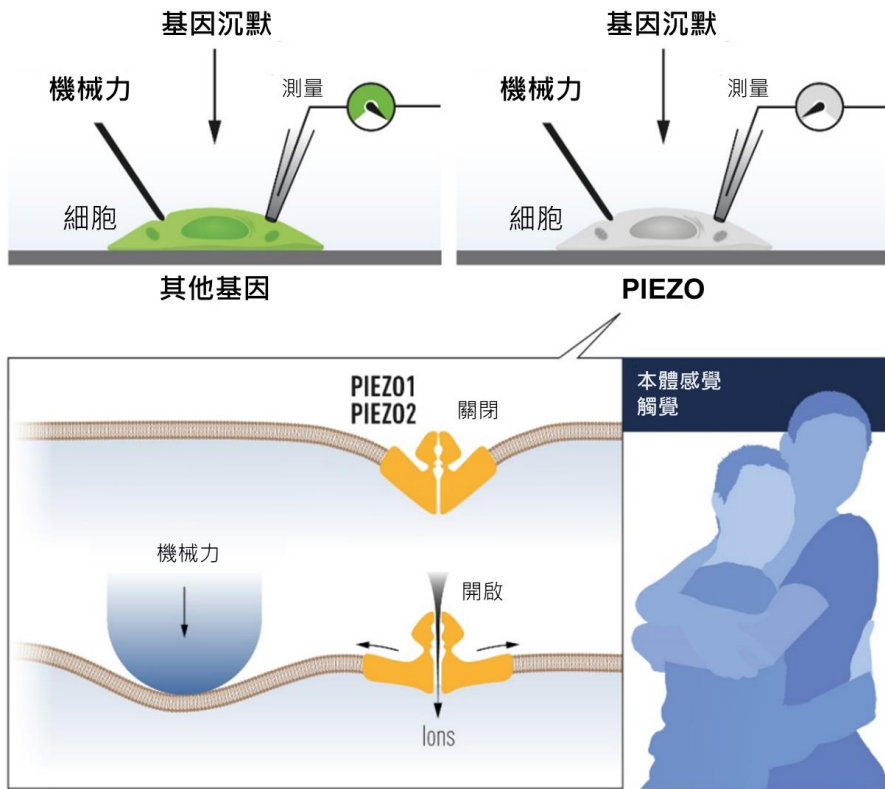
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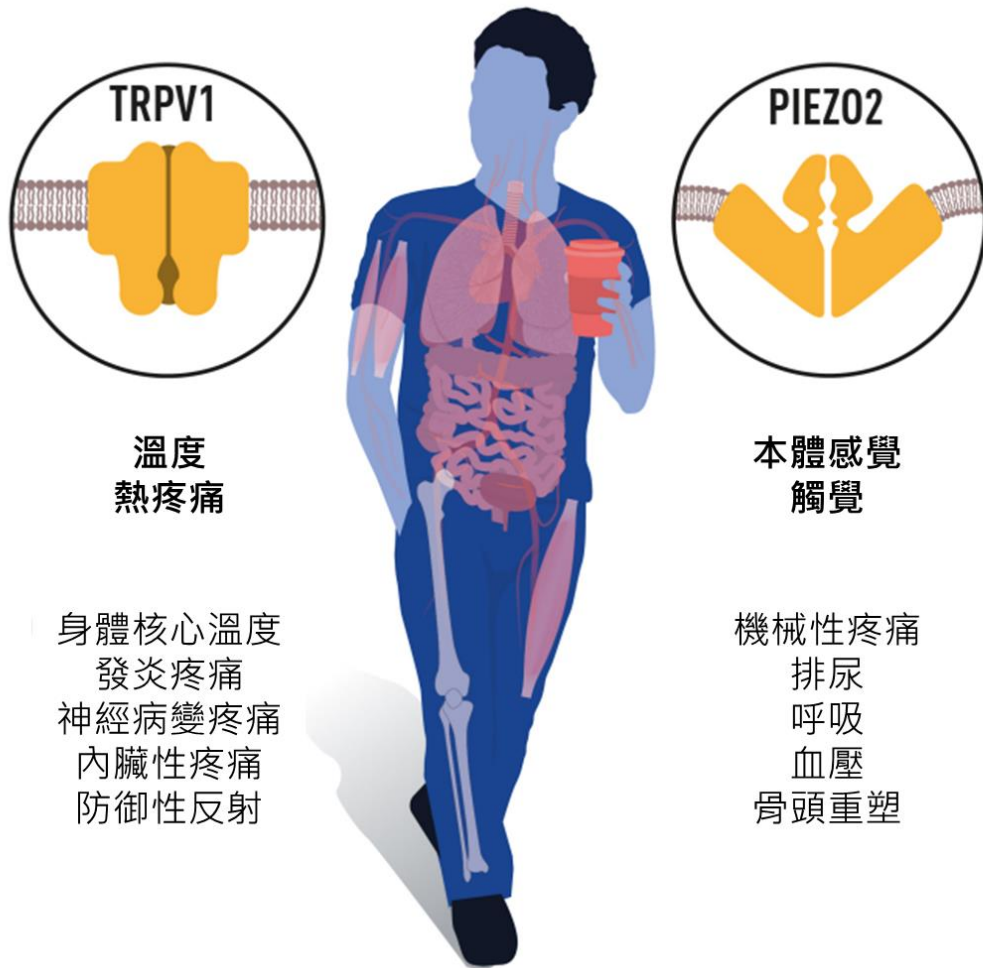
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## TRPV1 - 溫度與熱疼痛的感覺



## PIEZO - 觸覺與本體感覺





TRPV1 與 PIEZO2 通道蛋白賦予人體對於溫度、熱疼痛、觸覺與本體感覺的感受。此外，與溫度相關的生理功能也同樣與 TRPV1 有關，例如發炎、神經病變或內臟性疼痛。而 PIEZO2 則負責排尿、呼吸，甚至是血壓等機械力相關的生理功能。