

# MEDICINE PRIZE 2021

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Receptors reacting to  
temperature and pressure

# The Nobel Prize in Physiology or Medicine

“the person who shall have made the most important discovery within the domain of physiology or medicine”



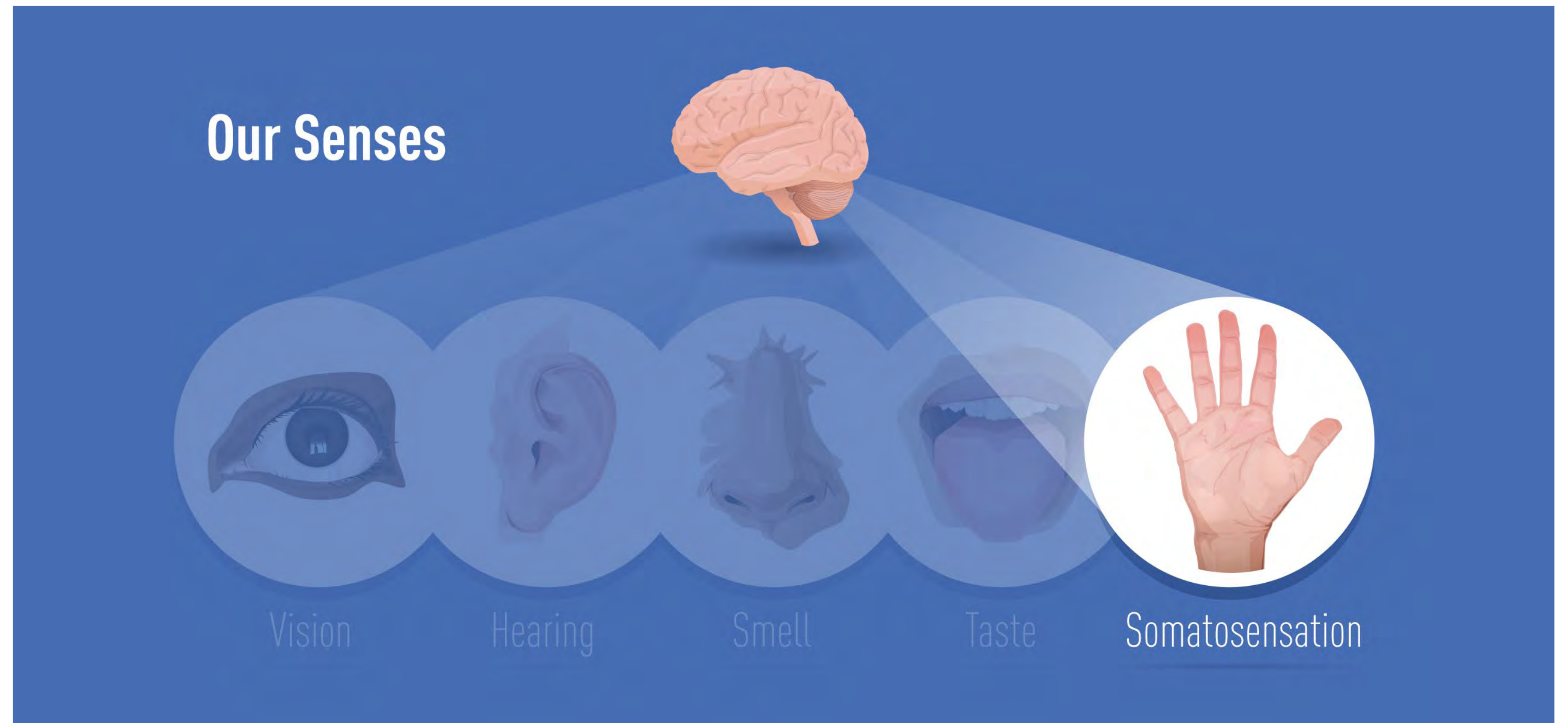
## Who is rewarded with the medicine prize?

People who have either made a discovery about how organisms work or have helped find a cure for a disease.



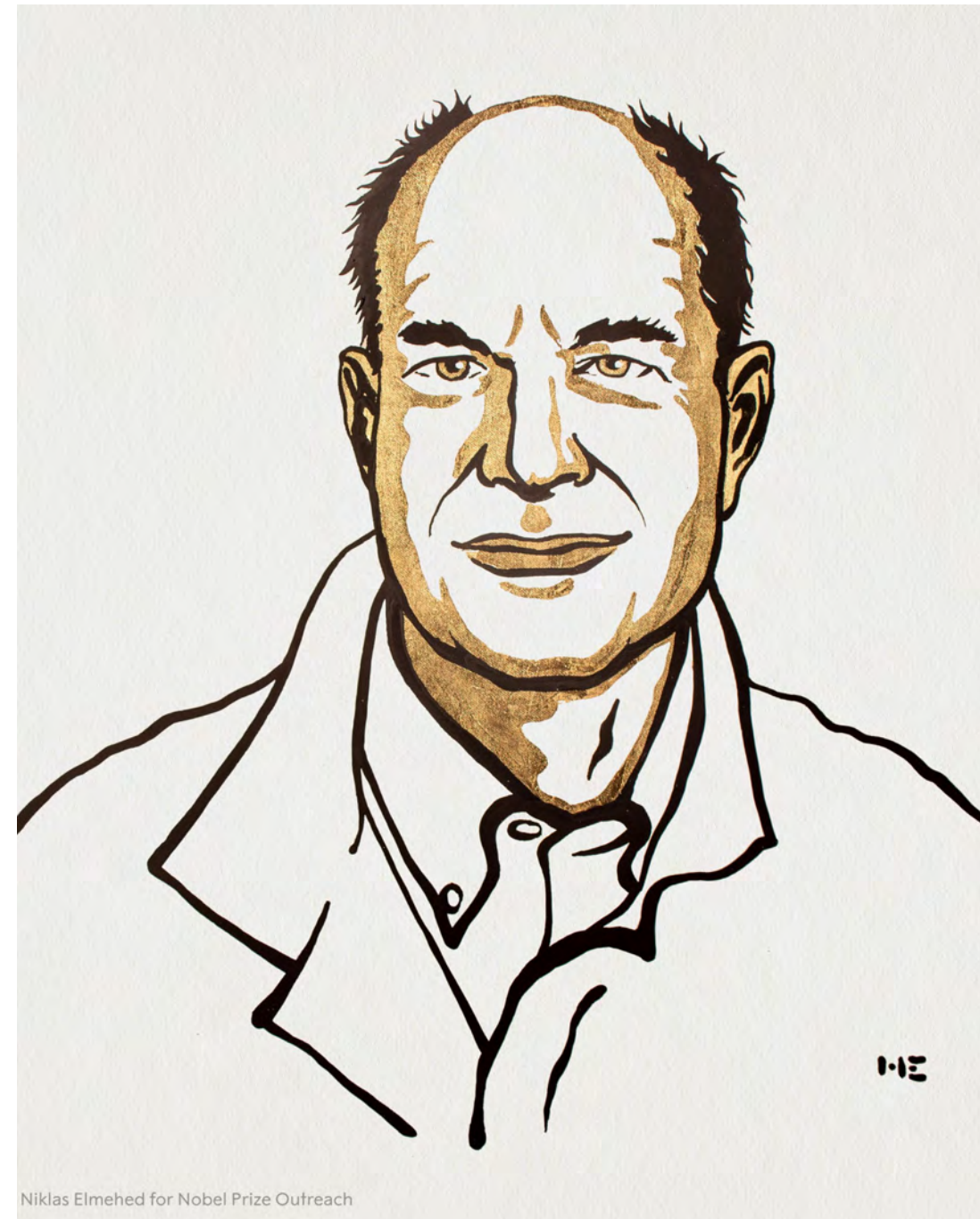
# The medicine prize 2021

The discovery of how certain specific receptors react to temperature and touch allows us to explain our ability to perceive the world around us.



# The 2021 medicine laureates

“for their discoveries of receptors for temperature and touch”



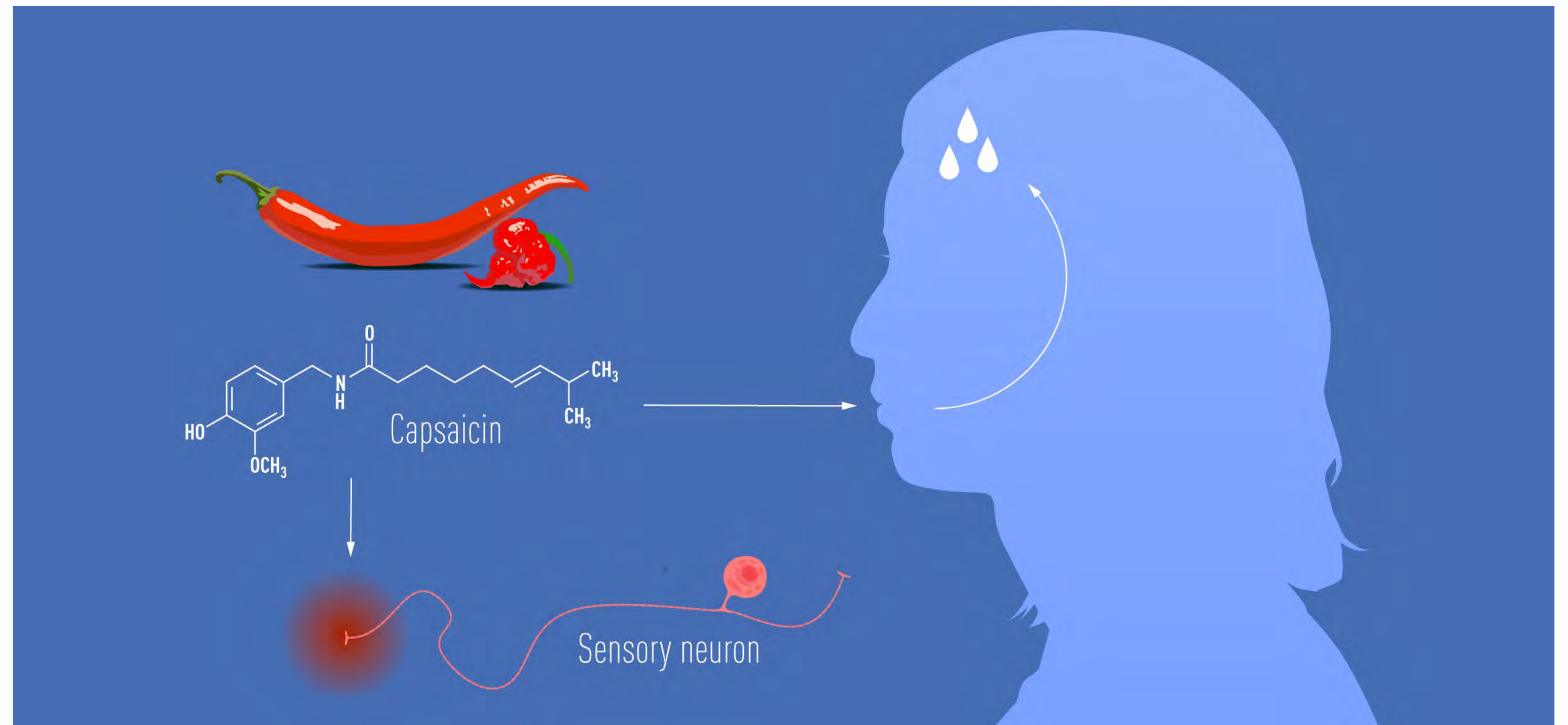
David Julius  
Born: 1955, USA



Ardem Patapoutian  
Born: 1967, Lebanon

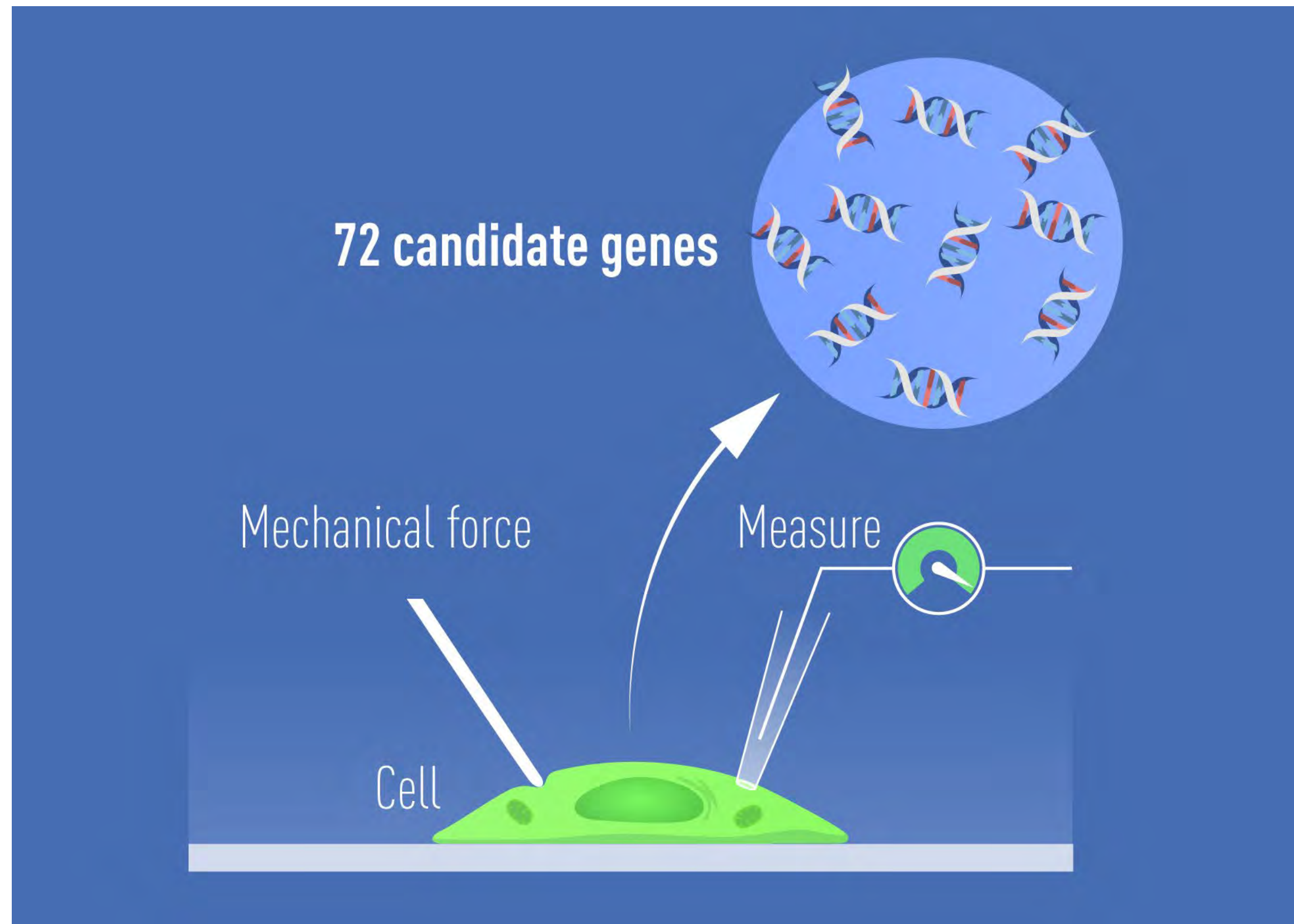
# Science heats up!

How is it that we can feel heat and start to sweat when we eat chili peppers?

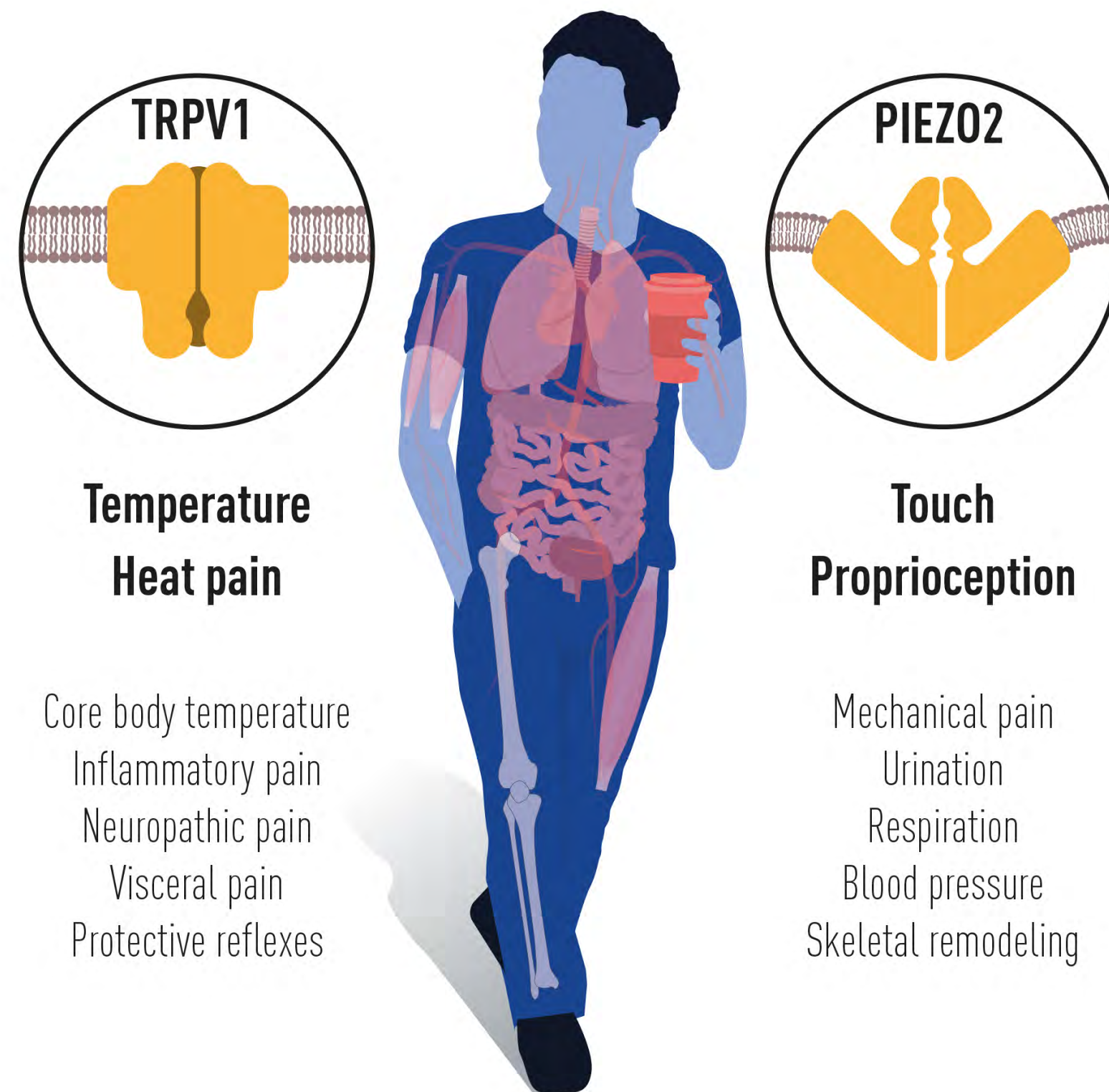


# Research under pressure!

How can mechanical stimuli activate the nerve signals that allow us to feel touch and pressure?



# For the greatest benefit to humankind



The laureates' discoveries can be used in further research to develop new treatment methods for various disease conditions, including chronic pain.



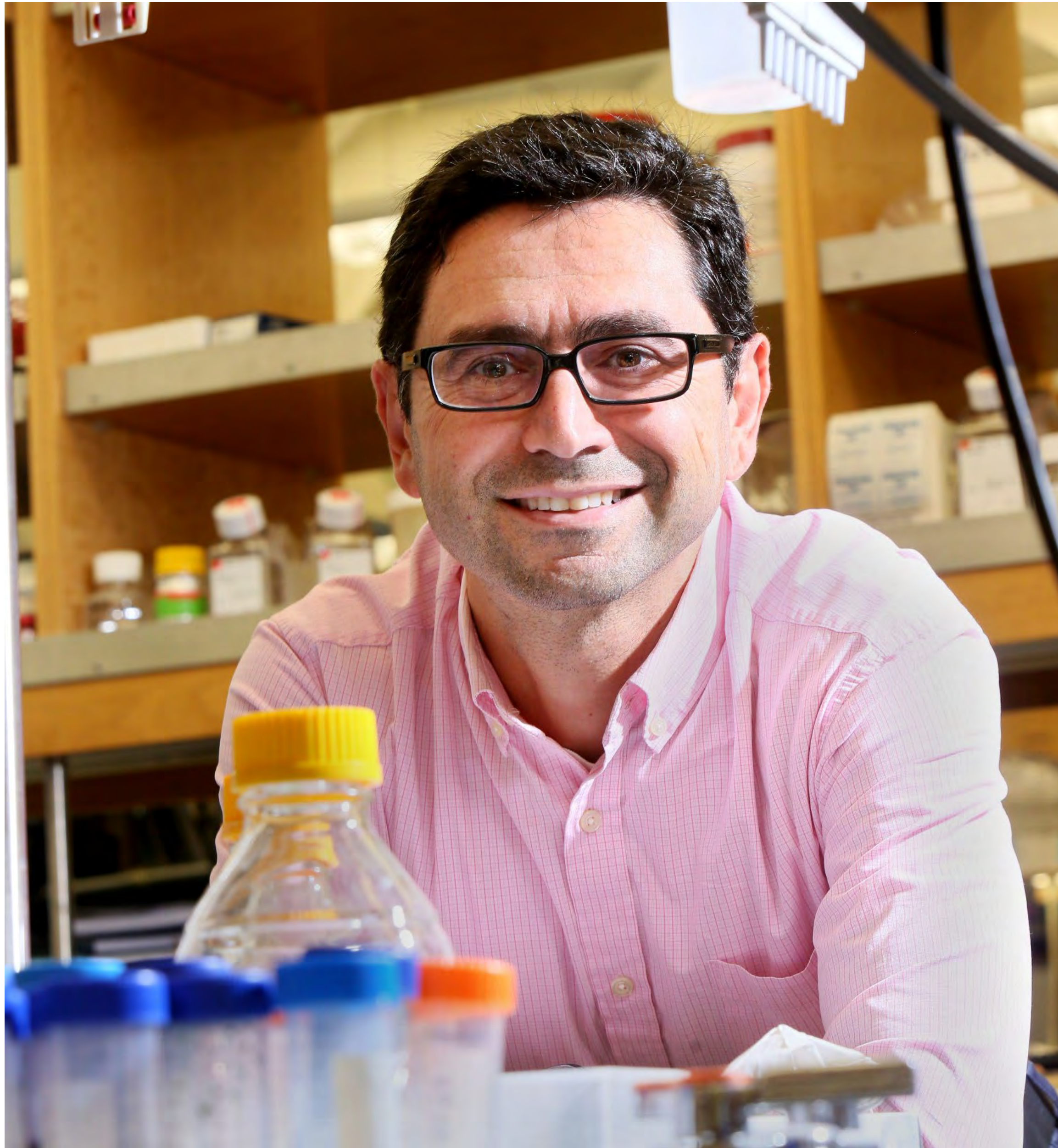


PHOTO: SANDY HUFFAKER

“In science, many times, things we take for granted are of high interest.”

Ardem Patapoutian, 2021 medicine laureate

THE  
NOBEL  
PRIZE

FOR THE GREATEST  
BENEFIT TO  
HUMANKIND

Nobel Prize Lessons