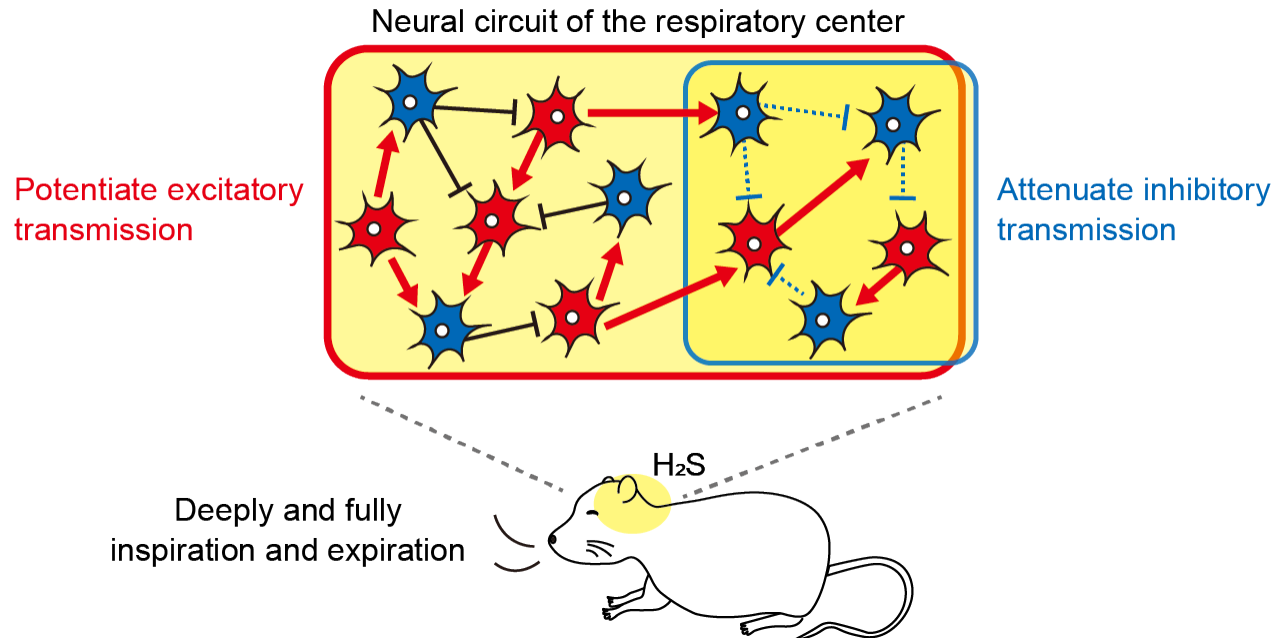


Hydrogen sulfide production in the medullary respiratory center modulates the neural circuit for respiratory pattern and rhythm generations

The Mechanism of Respiratory Stabilization by Hydrogen sulfide (H₂S)



Hydrogen sulfide is naturally produced in the respiratory center. It ensures deep and full respiration by potentiating excitatory synaptic transmission and attenuating inhibitory synaptic transmission. This study have demonstrated the neural mechanism of respiratory stability by hydrogen sulfide in the respiratory center.

References: Okazaki M et al., *Scientific Reports*, 13, 20046, 2023

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