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Editorial: Neurological, neurophysiological, psychological and psychiatric effects of high altitude and hypoxia

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Editorial on the Research Topic Neurological, neurophysiological, psychological and psychiatric effects of high altitude and hypoxia

Mental disorders show a prevalence of 30%–40% in the general population (Stoel *et al.*, 2014), and neurological symptoms such as headache or dizziness are among the most common presenting symptoms in emergency care. Despite their high prevalence, neurological symptoms outside of headache and high-altitude cerebral edema have only been investigated to a limited extent during hypoxia and high-altitude (HA) exposure (Wilcox *et al.*, 2009). HA can also affect higher cortical functions, leading to cognitive disturbances (Falla *et al.*, 2021). The effect of hypoxia and HA on the development of psychiatric symptoms is even less investigated (Hübner *et al.*, 2019). This contrasts sharply with the increasing number of individuals traveling to HA areas for leisure or occupational purposes and recent advances in the use of (intermittent) hypoxia as a treatment for various symptoms and conditions (Bartscher *et al.*, 2023).

The aim of the current Research Topic was to collect studies on the neurological, neurophysiological, psychological, and psychiatric effects of hypoxia and HA in order to advance research in the field and bring together researchers from different specialities involved in hypoxia and HA research. Within the Research Topic, we report the results of two controlled studies performed under laboratory conditions. Such studies performed in controlled environments help greatly to clarify our understanding of physiological and pathophysiological mechanisms at HA, since HA field studies are often performed under challenging conditions and thus often involve small sample sizes or confounding factors. Importantly, reporting guidelines for HA field studies have been established in recent years (Brodmann-Maeder *et al.*, 2018) and have proven useful when conducting and reporting research from HA field studies (Hübner *et al.*, 2021).

Refraction Neurophysiological And Psychological Viewpoints

Jiyuan Zhang



Refraction Neurophysiological And Psychological Viewpoints:

The Top Books of the Year Refraction Neurophysiological And Psychological Viewpoints The year 2023 has witnessed a noteworthy surge in literary brilliance, with numerous engrossing novels enthraling the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the captivating narratives that have enthralled audiences this year.

Refraction Neurophysiological And Psychological Viewpoints : Colleen Hoover "It Ends with Us" This touching tale of love, loss, and resilience has gripped readers with its raw and emotional exploration of domestic abuse. Hoover expertly weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can succeed. Uncover the Best :

Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This intriguing historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids captivating storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery.

Refraction Neurophysiological And Psychological Viewpoints : Delia Owens "Where the Crawdads Sing" This mesmerizing coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens crafts a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These popular novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of captivating stories waiting to be discovered.

The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is an exceptional and gripping novel that will keep you guessing until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

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