

Tentative Outline

Special Thematic Issue for the journal “Current Respiratory Medicine Reviews”

Title of the Thematic Issue: The brain-lung axis: a tight connection

Guest Editor: Dr. Sara Manti

Co-Guest Editors: Prof. Gabriella Di Rosa and Dr. Antonio G. Nicotera

• **Scope of the Thematic Issue:**

The central nervous system is in continuous cross-talk with lung in the so-called brain-lung axis, and many bottom-to-top pathways are necessary for the correct development and physiological functions of the brain and the lung, respectively. Accordingly, it is necessary to follow a multidisciplinary approach extended to all the districts and components of the complex brain-lung axis. The aim of this Special Issue is to build a community of authors and readers to discuss the latest research and develop new ideas and research directions. Special Issues will be led by Guest Editors who are experts in the subject and oversee the editorial process for papers.

We strongly believe that research is an important competency that should be mastered by medical professionals. It provides an opportunity for physicians to develop numerous skills including communication, collaboration, time management, and teamwork.

In this regard, investigators are invited to contribute to this Special Issue with case report, case series, original research and review articles that can improve the understanding of the role of brain-lung axis alteration in health and disease.

Papers published in the Special Issue will be collected together on a dedicated page of the journal website.

Keywords: lung, brain, development, diseases, newborn, children, EEG abnormalities, brain-lung axis

Sub-topics:

- Lung brain development
- EEG abnormalities
- Respiratory viruses and effects on Nervous System
- Metabolic dysfunction

Tentative titles of the articles:

- Lung brain development: from conception to birth
- The impact of anti-seizures drugs on lung function
- Association between respiratory Infections and Risk of Autism Spectrum Disorders: An Overview
- Role of the cerebral and Cerebellar circuits in respiratory modulation
- EEG changes in patients diagnosed with COVID-19
- Neurological Manifestations of Influenza and RSV infections in Children
- Respiratory Comorbidities and Complications of Cerebral Palsy
- Metabolic dysfunction and its impact on brain development

Schedule:

- ✧ Thematic issue submission deadline: July 1st, 2023

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