## **Special Issue**

# Recent Trends in Preclinical Models for Inhalation and Nasal Drug Delivery

## Message from the Guest Editors

Nebulizers are widely used in medicine to treat asthma, COPD, and cystic fibrosis patients. They generate fine droplets from a liquid drug to be delivered in the airways. Recent advances in nebulizer technologies trend to reduce their size, to make them more portable and econnected. The frontier between new nebulizers and metered dose inhalers (pMDI and DPI) is disappearing. New nebulizers are becoming more and more efficient and packaged with the drug. From a clinical point of view, recent advances have demonstrated the ability of nebulizers to be used in complicated situations, like mechanical ventilation, newborns and nasal high flow. They are also considered for nasal treatment and more particularly for chronic rhinosinusitis patients to target sinuses. Some nebulizers are open devices and offer the opportunity to rapidly evaluate a new drug or a new indication, reducing the time to market and the benefit for the patient. This Special Issue shall cover recent trends in nebulizer device design and clinical use.

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## Deadline for manuscript submissions

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