

## Special Issue

# Drug Delivery Systems for Asthma and Pulmonary Diseases

### Message from the Guest Editors

The effect of first-pass metabolism on orally administered medications plus the requirement of solubility to increase absorption limit the effectiveness of various drugs during treatment. For decades, asthmatics have relied on nebulization and aerosols for delivery, but advances in polymerization and nucleic acid packaging have shown promise that targeted therapies for the epithelial cells involved in asthmatic exacerbations will provide lasting relief. Other respiratory pathologies (including COVID-19) are being or could be also benefited from advanced inhalative therapies. Of particular interest is the packaging potential for biopolymers in delivering new therapies derived from monoclonal antibodies, as well as gel or film-based applications for use in the lungs. We invite you to submit perspectives and research on the packaging of asthmatic medications and of drugs targeting other respiratory pathologies, increases in delivery efficiency and the biochemical interactions between target cells and engineered delivery systems.

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### Guest Editors

Prof. Dr. Jesus Perez-Gil

Department of Biochemistry, Faculty of Biology, Universidad Complutense, 28040 Madrid, Spain

Dr. Bryan Mathis

Department of Cardiovascular Surgery, University of Tsukuba Institute of Medicine, Tsukuba 305-8575, Japan

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### Deadline for manuscript submissions

closed (31 July 2023)



## Pharmaceutics

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*Pharmaceutics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[pharmaceutics@mdpi.com](mailto:pharmaceutics@mdpi.com)

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Prof. Dr. Patrick J. Sinko

Ernest Mario School of Pharmacy, Rutgers, The State University of New Jersey, William Levine Hall, Room 225C, 160 Frelinghuysen Road, Piscataway, NJ 08854-8020, USA

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