



**Biographic note:** Marlena Tynecka has been dedicated to her scientific career in immunology from the beginning. She conducted her master's thesis at the Immunology Department of the Medical University of Białystok (MUB), after which she joined the Regenerative Medicine and Immunoregulation Team. During and immediately after completing her studies, she completed two scientific internships at the Swiss Institute of Allergy and Asthma Research, Davos, Switzerland, and Stem Cell Institute, University of Louisville, Louisville, USA. In her scientific work, she combines interests related to allergy and asthma with stem cells. In 2022, she earned a PhD in medical sciences at the Medical University of Białystok. Her Ph.D. thesis investigated the mechanism underlying mesenchymal stem cell-mediated immune suppression in airway inflammation. Her doctoral thesis was awarded by the Polish Society of Allergology for the best dissertation in the allergology field. Her scientific development was recognized by the Foundation for Polish Science with the award of the START2023 scholarship. Currently, she is conducting her PRELUDIUM19 grant in the Centre of Regenerative Medicine MUB.