

Extracellular Vesicles in Cross-Kingdom Communication

(Scientific Seminar of CIneZ, CZU)



Invited speaker:

Irma Schabussova

Medical University of Vienna

Our recent studies have shown that extracellular vesicles produced by probiotic bacteria, when administered intranasally, effectively alleviate allergic reactions in mouse models. This finding opens up new avenues for non-traditional allergy therapies. We are also investigating the enzymatic activity of proteases from *Schistosoma mansoni*, that have some similarities to known allergens such as papain. Our ongoing research aims to determine whether these proteases can induce the production of extracellular vesicles in lung epithelial cells that can influence inflammatory processes. In my talk, I will provide insights into the basics of extracellular vesicle production, isolation

and characterization and discuss the potential of extracellular vesicles for the advancement of medical science.



When:

April 25th, 2024
16:00-17:30

Where:

MS Teams, join us via
the QR code