



## Colloquium

# Cellular Logistics: Membrane Trafficking and Signaling in Health and Disease

**Marta Miaczynska**

International Institute of Molecular and Cell Biology

Host: Carrie Bernecky

Endocytic pathways mediate uptake of extracellular cargo and critically regulate receptors for growth factors and cytokines to maintain proper control of cell proliferation, survival, and differentiation. Dysregulation of endosomal trafficking and the ESCRT machinery affects inflammatory responses, lysosome biogenesis, and metabolic homeostasis, creating vulnerabilities relevant for cancer therapy. Work on signaling endosomes and macropinocytic uptake driven by oncogenic receptor tyrosine kinases such as AXL underscores the role of endocytic regulation in tumor progression, metastasis, and precision medicine-oriented interventions. Prof. Miaczynska will willingly meet (if they are available): Carrie Bernecky; Carl-Phillip Heisenberg; Martin Hetzer; Andela Saric; and Michael Sixt. In addition, she is open to any other scientists who will be eager to talk to her

**Monday, February 16, 2026 11:30am - 12:30pm**

Raiffeisen Lecture Hall



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

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<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.