

Invitation to the talk

Molecular dissection of membrane transporters

Prof. Dr.

Thomas Günther-Pomorski

Molecular Biochemistry, Faculty of Chemistry and Biochemistry, Ruhr-University Bochum, Germany

Thursday, June 11th, 2026, 10 a.m. c.t.

Lecture hall C

Vetmeduni, Veterinärplatz 1, 1210 Vienna

ABSTRACT: P-type ATPases are essential membrane proteins that maintain cellular homeostasis by transporting substrates ranging from protons to lipids through large conformational changes. Despite extensive structural studies, the molecular mechanism underlying this transport cycle remains incompletely understood, largely due to challenges in membrane protein production, purification, and lipid reconstitution, as well as the need for advanced single-molecule methods. Our work addresses these challenges by combining defined reconstituted vesicle systems with state-of-the-art single-molecule techniques to investigate membrane transporters at molecular resolution, providing new insights into the functional dynamics of P-type ATPases.

Mitnahme von Tieren:

Beachten Sie bitte, dass es nicht gestattet ist, Tiere auf das Universitätsgelände mitzunehmen.

Datenschutz:

Bitte nehmen Sie unter folgendem Link unsere Datenschutzbestimmungen zur Kenntnis

<https://www.vetmeduni.ac.at/datenschutzerklaerung-veranstaltungen>

Parken:

Parken ist auf dem Campus der Vetmeduni möglich. Die Parkgebühren finden Sie auf unserer Website

<https://www.vetmeduni.ac.at/universitaet/campus/anreise>