



DEPARTMENT
OF PHARMACEUTICAL SCIENCES

Seminars on Drug Sciences (SDS)

Lecture of

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Planet Lysosome: The physiology of autophagy in health and disease

Long known as terminal degradation stations, lysosomes have emerged as sophisticated signaling centers that govern cell growth, division and differentiation. Indeed, faulty execution of lysosomal growth and catabolic programs drives cancer, neurodegeneration and age-related diseases. Lysosomes interface physically and functionally with the cytoplasm content of the cell and particularly with the master regulator mechanistic target of rapamycin complex 1 kinase which is activated on lysosomes in response to nutrient and growth factor inputs. Indeed, lysosomes enable autophagy, a 'self-eating' process essential for quality control and stress adaptation. Thus, lysosomes and autophagy will be discussed as therapeutic potential and application.

Wednesday, March 04, 2026

17:15 - 18:15

Lecture Hall 1, Pharmacenter, Klingelbergstrasse, 50, Basel

Host: Prof. J. Huwyler
Pharmaceutical Technology



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