

# IBIOL

# EXTERNAL SEMINAR



**19 MARCH 2026**



12:15–13:15



ROOM F200



Heike Lindner

**University of Bern**

**Stay hydrated – Deciphering the development and physiology of leaf succulence**

**Succulent plants have evolved anatomical and physiological characteristics that enabled their expansion into arid environments. Here, we use the leaf succulent *Kalanchoë laxiflora*, a constitutive CAM plant with a developmental transition from C3 photosynthesis in young leaves to CAM photosynthesis in mature leaves. This transition enabled the detailed description of anatomical, physiological, and metabolic differences between C3 and CAM leaves within a single plant individual.**