

## **Internal Webinar**

### **Structural characterization of folding and unfolding intermediates of a heterodimeric protein**

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The intermediates formed during protein folding and unfolding are highly transient. To identify and characterize their structures, hydrogen–deuterium exchange mass spectrometry (HDX-MS) was employed. Our results revealed that double-chain monellin unfolds cooperatively, although its two chains exhibit distinct behaviors under native and native-like conditions. Furthermore, the refolding intermediates formed through parallel pathways were structurally characterized and found to differ in the conformation of a single  $\beta$ -strand.

***Monday, May 4<sup>th</sup> 2026***

***11:45 Hrs***

