

# **Comprehensive Seminar**

## **The current landscape of polyP-protein interactions**

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Inorganic polyphosphate (polyP), an evolutionarily conserved polymer of orthophosphates linked together by phosphoanhydride bonds, has been linked to numerous biological functions from bacteria to mammals. However, how polyphosphates are linked to diverse cellular processes remains obscured. Recent research shows polyphosphorylation as a new post-translational modification of numerous proteins involved in distinct cellular processes. This may explain how polyP can impact diverse cellular processes. In my talk, I will cover studies discovering novel polyphosphorylated proteins, emphasising the technical approaches used to identify polyP/protein interactome (polyPome) and summarise their cellular impacts.

***Monday, Apr 28<sup>th</sup> 2025***

***10:00 Hrs (Tea / Coffee 09:45 Hrs)***

***Auditorium, TIFRH***