Invited speaker

CHAMPAK CHATTERJEE
Professor
University of Washington, Department of Chemistry, USA

Studying ubiquitin-like proteins across the domains of life

December 2nd 2019 16:15
UNIGE - Room A150

The group of Champak Chatterjee has developed chemical probes and synthetic strategies to study two ubiquitin family proteins – the prokaryotic ubiquitin-like protein (Pup) in Mycobacterium tuberculosis, and the small ubiquitin-like modifier protein (SUMO) in humans. Chatterjee will present key insights on the mechanism of protein pupylation, that led him to the development of peptide inhibitors. He will also describe biochemical studies with chemically sumoylated histones and propose a model for gene regulation by SUMO.